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National Data Book and  
Guide to Sources

# STATISTICAL ABSTRACT OF THE UNITED STATES 1988

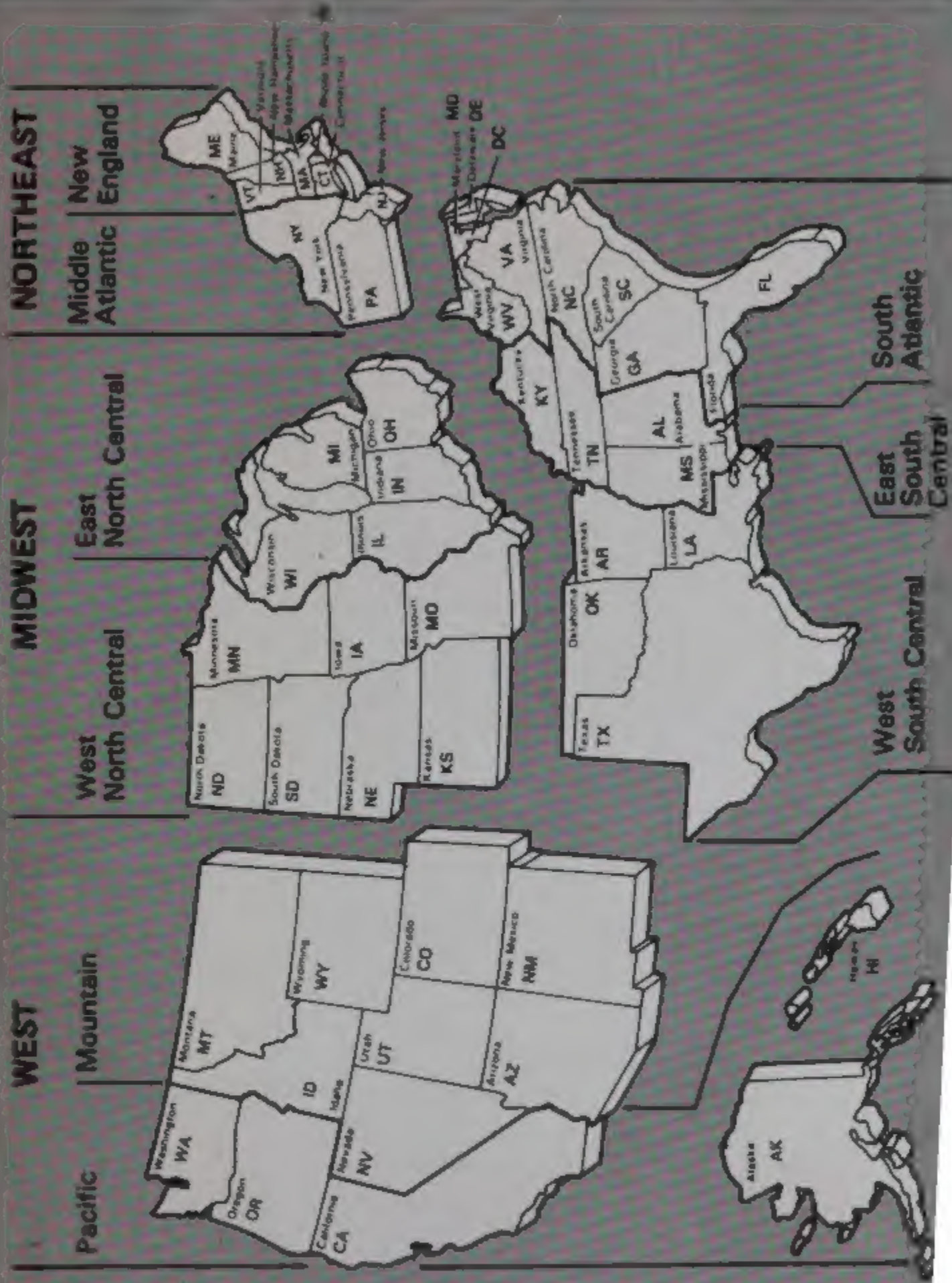


108th Edition

U.S. Department  
of Commerce  
BUREAU OF  
THE CENSUS



**Figure 1.**  
**Map of the**  
**U.S., Showing**  
**Census**  
**Divisions and**  
**Regions**



## **FEATURES**

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National Data Book  
and Guide to Sources

# **STATISTICAL ABSTRACT OF THE UNITED STATES 1988**

108th Edition



**U.S. Department  
of Commerce**

**C. William Verity,  
Secretary**

**Robert Orner,  
Under Secretary  
for Economic Affairs**

**BUREAU OF  
THE CENSUS**

**John G. Keane,  
Director**





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**108th Annual Edition**

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## Preface

The *Statistical Abstract of the United States*, published since 1878, is the standard summary of statistics on the social, political, and economic organization of the United States. It is designed to serve as a convenient volume for statistical reference and as a guide to other statistical publications and sources. The latter function is served by the introductory text to each section, the source note appearing below each table, and Appendix I, which comprises the Guide to Sources of Statistics, the Guide to State Statistical Abstracts and the Guide to Foreign Statistical Abstracts.

This volume includes a selection of data from many statistical publications, both governmental and private. Publications cited as sources usually contain additional statistical detail and more comprehensive discussions of definitions and concepts than can be presented here. Data not available in publications issued by the contributing agency but obtained from unpublished records are identified in the source notes as "unpublished data." More information on the subjects covered in tables so noted may generally be obtained from the source.

Except as indicated, figures are for the United States as presently constituted. Although emphasis in the *Statistical Abstract* is given primarily to national data, many tables present data for regions and individual States and a smaller number for metropolitan areas and cities. Appendix II, Metropolitan Area Concepts and Components, presents explanatory text, a complete current listing and population data for metropolitan statistical areas (MSA's) the primary metropolitan statistical areas (PMSA's), and the consolidated metropolitan statistical areas (CMSA's). Table 34 in section 1 presents selected population characteristics for MSA's with population of 250,000 or more. Statistics for the Commonwealth of Puerto Rico and for outlying areas of the United States are included in many State tables and are supplemented by information in section 30. Additional information for States, cities, counties, metropolitan areas, and other small units, as well as more historical data, are available in various supplements to the *Abstract* (see inside back cover).

*USA Statistics in Brief, 1988*, the pocket-size loose insert in front of the book, is available separately. Price information can be obtained from, and orders sent to, U.S. Bureau of the Census, Customer Services, Washington, DC 20233. A 25 percent discount will be allowed on orders of 100 copies or more sent to the same address.

**Changes in this edition.**—Long-time users may recall the inclusion of a user questionnaire in the 1984 edition of the *Abstract*. By the spring of 1986, 2,733 responses had been received and analyzed (representing a response rate of 8.0%). This edition reflects many changes incorporated as a result of the respondents' valuable feedback. We hope you find them useful and we thank you for your participation.

Several sections have been expanded based on the fact they ranked high in user use and/or interest, but relatively low in the amount of tabular material presented. These include the sections on Vital Statistics, Prices, and Business Enterprise. Conversely, several sections have been reduced in the amount of tabular material presented because of the opposite relationship between user use and data presentation. Among these are Geography, Governments, Social Insurance, Transportation, Agriculture, and Mining. Finally two sections, Forests and Fisheries, have been combined.

Users' open-ended comments indicated many areas for which they would like to have new or expanded coverage. As a result, many new tables have been introduced. Among them are several tables on the elderly, from the 1984 Supplement on Aging to the National Health Interview Survey; new national and State population projections; and 1986 election results for the U.S. House of Representatives, by congressional district. In addition, a new table presents data on worklife indices. Finally, users expressed interest in international data. We have consequently expanded our Guide to Sources appendix to include a listing of selected foreign statistical abstracts and added several new tables to the Comparative International Statistics section.

Statistics in this edition are generally for the most recent year or period available by October 1987. Each year almost 1,500 tables and charts are reviewed and evaluated; new tables and charts of current interest are added, continuing series are updated, and less timely data are condensed or eliminated. Text notes and appendixes are revised as appropriate.

In all, there are 100 new tables, distributed among 19 of the 31 sections. In addition, graphs and charts have been revised or updated and many sections have undergone tabular rearrangement and format changes designed to improve the organization of subject matter. Of the tables included in the 1987 edition, 150 were omitted from this issue. The omissions represent primarily tables for which comparable details appear in other tables or for which no recent data are available, or tables for which the subject matter shown was considered relatively less important in the light of space required for presentation.

Among the new tables relating to people and their concerns are:

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The elderly—contacts with children, by age group and living arrangement, T. 42  
Low birth weight and births to teenage mothers and unmarried women, T. 89  
AIDS cases reported, by patient characteristic, T. 170  
Personal health practices, T. 178

Characteristics of private elementary and secondary schools and teachers, T. 224  
Crimes against the elderly, T. 272  
Participation in sports activities, T. 374  
Child care arrangements of employed mothers, T. 596  
Work schedules, by sex, industry, and occupation, T. 615

Government and economic activities are reflected in new tables on:

Financial support of the arts by private business, T. 384  
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Financial summary of savings institutions, T. 785  
Mortgage delinquency, foreclosure rates, mortgage insurance, T. 794  
Minority-owned business firms, T. 840  
U.S. parent companies and foreign affiliates, T. 869  
Residential energy expenditures, T. 915

**Historical statistics.**—Specific headnote references in this *Abstract* link many tables to data shown in *Historical Statistics of the United States, Colonial Times to 1970*. (See Appendixes I and II, pp. 898 and 899.)

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in the *State and Metropolitan Area Data Book, 1986*. For cross-references see Appendix V, pages 900 and 901.

**Statistical reliability and responsibility.**—The contents of this volume were taken from many sources. All data from either censuses and surveys or from administrative records are subject to error arising from a number of factors: Sampling variability (for statistics based on samples), rounding errors in the data for individual units, incomplete coverage, nonresponse, imputations, and processing error. (See also Appendix III, pp. 882–897.) The Bureau of the Census cannot accept responsibility for the accuracy or limitations of the data presented here, other than for those it collects. The responsibility for selection of the material and for proper presentation, however, rests with the Bureau.

**For additional information on data presented.**—Please consult the source publications available in local libraries or write to the agencies indicated in the source notes. Write to the Bureau of the Census only if it is cited as the source.

**Suggestions and comments.**—Users of the *Statistical Abstract* and its supplements (see back cover) are urged to make their data needs known for consideration in planning future editions. Suggestions and comments for improving coverage and presentation of data should be sent to the Director, U.S. Bureau of the Census, Washington, DC 20233.

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APPROXIMATE CONVERSIONS

[For information regarding conversion, call or write the Office of Metric Programs, U.S. Department of Commerce, W 20230 (202-377-3036)]

Customary			Metric		Metric		
Inches (in)	X	25.400	= millimeters	Millimeters (mm)	X	.039	= inch
Feet (ft)	X	.305	= meters	Meters (m)	X	3.281	= feet
Yards (yd)	X	.914	= meters	Meters (m)	X	1.094	= yards
Miles (mi)	X	1.609	= kilometers	Kilometers (km)	X	.621	= miles
Square inches (in <sup>2</sup> )	X	6.452	= sq centimeters	Sq centimeters (cm <sup>2</sup> )	X	.155	= sq in
Square feet (ft <sup>2</sup> )	X	.093	= sq meters	Square meters (m <sup>2</sup> )	X	10.764	= sq ft
Square yards (yd <sup>2</sup> )	X	.836	= sq meters	Square meters (m <sup>2</sup> )	X	1.196	= sq yd
Acres	X	.405	= hectares	Hectares (ha)	X	2.471	= acres
Cubic feet (ft <sup>3</sup> )	X	.028	= cu meters	Cu meters (m <sup>3</sup> )	X	35.315	= cu ft
Cord (cd)	X	3.625	= cu meters	Liters (l)	X	1.057	= quarts
Quarts (qt) (qt)	X	.946	= liter	Cu meters (m <sup>3</sup> )	X	264.172	= gallons
Gallons (gal)	X	.004	= cu meters	Grams (g)	X	.035	= ounces
Ounces (avdp) (oz)	X	28.350	= grams	Kilograms (kg)	X	2.205	= pounds
Pounds (avdp) (lb)	X	.454	= kilograms	Kilowatts (kW)	X	1.341	= horsepower
Horsepower (hp)	X	.746	= kilowatts	Degrees Celsius	X	9/5 + 32	= degrees Fahrenheit
Degrees Fahrenheit (- 32)	X	5/9	= degrees Celsius				

UNITS OF LENGTH AND AREA

Customary			Metric	Metric	
Inch (in)			= 25.400 millimeters	Millimeter (mm)	= .001 meter = .039 inch
Foot (ft)	=	12 in	= .305 meter	Centimeter (cm)	= .01 meter = .39 inch
Yard (yd)	=	36 in or 3 ft	= .914 meter	Decimeter (dm)	= .1 meter = 3.9 inch
Mile (mi)	=	5,280 ft	= 1.609 kilometers	Meter (m)	= 3.28 feet = 39.37 inch
In <sup>2</sup> (sq in)			= 6.452 cm <sup>2</sup>	Kilometer (km)	= 1,000 meters = .62 mile
Ft <sup>2</sup> (sq ft)	=	144 sq in	= .093 m <sup>2</sup>	Sq millimeter (mm <sup>2</sup> )	= .000001 m <sup>2</sup> = .001 in <sup>2</sup>
Yd <sup>2</sup> (sq yd)	=	1,296 sq in or 9 sq ft	= .836 m <sup>2</sup>	Sq centimeter (cm <sup>2</sup> )	= .0001 m <sup>2</sup> = .155 in <sup>2</sup>
Acre	=	43,560 sq ft	= .405 ha	Sq decimeter (dm <sup>2</sup> )	= .01 m <sup>2</sup> = 15.5 in <sup>2</sup>
Mile <sup>2</sup> (sq mi)	=	640 acres	= 2.590 km <sup>2</sup>	Sq meter (m <sup>2</sup> )	= 10.76 ft <sup>2</sup> = 107.6 in <sup>2</sup>
				Hectare (ha)	= 10,000 m <sup>2</sup> = 2.47 acre
				Sq kilometer (km <sup>2</sup> )	= 1,000,000 m <sup>2</sup> = 391.98 sq mi

UNITS OF WEIGHT (OR MASS)

Customary			Metric	Metric	
Avoirdupois <sup>1</sup>					
Grain			= .065 gram	Gram (g)	= .035 ounce or .03 pound
Ounce (oz avdp)	=	437.5 grains or 16 drams	= 28.350 grams	Dekagram (dag)	= 10 g = .35 ounce or .32 pound
Pound (lb avdp)	=	7,000 grains or 16 ounces	= .454 kilogram	Hectogram (hg)	= 10g = 3.527 ounce or 3.2 pounds
Hundredweight (cwt)	=	100 pounds	= 45.359 kg		
Ton, short (tn)	=	2,000 pounds	= .907 metric ton		
Ton, long	=	2,240 pounds	= 1.016 metric tons	Kilogram (kg)	= 1,000 g = 2.2 pounds or 2.6 kilograms
Ounce (oz troy) <sup>2</sup>	=	480 grains	= 31.104 grams	Metric ton	= 1,000 kg = 1.1 ton or .98 ton
Pound (lb troy)	=	5,760 grains or 12 ounces	= .373 kilogram		

UNITS OF CAPACITY

Customary			Metric	Customary	
Liquid				Dry	
Fluid ounce (fl oz)			= 29.574 mL	Pint (pt)	= 16 fl oz
Pint (pt)	=	16 fl oz	= .473 liter	Quart (qt)	= 2 pints
Quart (qt)	=	32 fl oz or 2 pt	= .946 liter	Peck (pk)	= 8 quarts
Gallon (gal)	=	6 pt or 4 qt	= 3.785 liters	Bushel (bu)	= 32 quarts
Metric				Customary	
Milliliter (mL)	=	.001 liter		= .034 fl oz (liquid)	= .002 pt (dry)
Liter (L)	=	1.057 qt (liquid)		= 1.057 qt (liquid)	= .908 qt (dry)
Hectoliter (hL)	=	100 liters		= 26.417 gal (liquid)	= 90.808 qt (dry)

<sup>1</sup>For weighing ordinary commodities.    <sup>2</sup>For weighing precious metals, jewels, etc.    <sup>3</sup>Also 1



The following symbols used in the tables throughout this book, are explained in condensed form in footnotes to the tables where they appear:

- Represents zero or rounds to less than half the unit of measurement shown.
  - B Base figure too small to meet statistical standards for reliability of derived figure.
  - D Figure withheld to avoid disclosure of information pertaining to a specific organization or individual.
  - NA Data not enumerated, tabulated, or otherwise available separately.
  - NS Percent change irrelevant or insignificant.
  - S Figure does not meet publication standards for reasons other than that covered by symbol B, above.
  - X Figure not applicable because column heading and stub line make an entry impossible, absurd, or meaningless.
  - Z Entry would amount to less than half the unit of measure shown.
- In many tables, details will not add to the totals shown because of rounding.

#### Example of table structure:

**Table Number and title** ) **No. 86. HOUSEHOLDER AND MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER: 1986**

**Unit indicator** (In thousands, except percent. As of March. See footnote, table 47)

Footnote indicator	HOUSEHOLDER AND MARITAL STATUS	Total 15 yrs. and over	MALE					FEMALE					Footnote indicator
			Total	20-24 years	25-44 years	45-64 years	65 yr. and over	Total	20-24 years	25-44 years	45-64 years	65 yr. and over	
	Total persons	184,628	88,474	9,788	36,811	21,238	11,273	88,364	18,180	27,880	23,484	16,848	
	Householder	88,456	81,036	3,215	28,347	18,196	10,084	27,420	1,862	10,062	6,792	8,502	
	Single	11,806	6,026	1,297	3,502	718	308	5,782	1,264	3,128	880	544	
	Married, spouse present	50,833	47,878	1,708	21,870	16,211	7,988	2,957	215	1,624	807	293	
	Married, spouse absent	4,084	1,533	88	804	509	156	2,551	200	1,426	880	223	
	Widowed	11,383	1,884	6	58	397	1,203	9,889	11	381	2,437	6,881	
	Divorced	10,286	3,838	58	2,114	1,324	343	6,400	151	3,484	2,188	580	
	Not householder	86,370	27,438	6,572	6,586	2,180	1,178	68,934	8,298	27,588	16,692	7,546	
	Single	38,722	20,544	8,100	4,819	540	182	18,178	4,588	2,553	351	284	
	Married, spouse present	52,475	3,728	250	1,987	988	487	48,747	3,361	23,284	15,502	5,880	
	Married, spouse absent	1,834	1,043	102	886	351	37	781	178	388	131	44	
	Widowed	2,063	592	10	27	188	227	1,551	5	58	290	1,228	
	Divorced	2,288	1,818	70	1,088	383	104	1,887	198	986	377	122	
	PERCENT DISTRIBUTION												
	Total persons	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	
	Householder	47.8	89.0	32.8	78.6	89.5	89.5	28.5	18.3	28.7	28.9	33.0	
	Single	6.4	6.8	13.1	9.5	3.4	3.6	6.0	12.6	8.3	2.8	3.4	
	Married, spouse present	27.8	54.2	18.4	58.3	78.0	70.8	3.1	2.1	4.3	3.4	1.8	
	Married, spouse absent	2.2	1.7	7	2.2	2.4	1.4	2.6	2.0	2.8	2.0	1.4	
	Widowed	6.1	1.9	1	2	1.2	10.7	10.1	1	1.0	10.4	42.6	
	Divorced	5.8	4.3	8	5.7	6.2	3.0	6.7	1.5	9.3	6.4	3.6	
	Not householder	52.1	31.0	67.1	23.2	10.1	10.6	71.5	81.7	73.3	71.0	47.0	
	Single	19.9	23.2	62.3	19.1	2.6	1.8	16.8	45.2	6.8	1.5	1.8	
	Married, spouse present	28.4	4.2	3.0	5.3	4.4	4.4	50.6	33.1	62.7	68.2	38.5	
	Married, spouse absent	1.0	1.2	1.0	1.8	.9	.5	.8	1.8	1.1	.8	.3	
	Widowed	1.1	.8	1	.1	.6	3.0	1.6	.2	.2	1.1	7.7	
	Divorced	1.8	1.8	7	2.9	1.7	.8	1.7	1.5	2.6	1.8	.9	

Footnote: - Represents zero or rounds to zero. \* Includes 15-19 year olds.  
Source: U.S. Bureau of the Census, Current Population Reports, series P-20, No. 418, and earlier reports.

Headnotes immediately below table titles provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Footnotes below the bottom rule of tables give information relating to specific items or figures within the table.

Unit indicators ("in thousands," "in millions of dollars," etc.) are usually given in boldface type as the first elements of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or unit column or in the column headings.

Parallel vertical rules are used to the right of a total column to indicate—

- (1) that the components which follow add to the total (e.g., tables 1, 18, 35, etc.);
- (2) in the case of derived figures, that the underlying data are additive to their total (e.g., table 18 for ratios, table 51 for percentages, table 84 for rates and table 88 for medians).

Heavy vertical rules are used—

- (1) in tables where the stub is continued into one or more additional columns across the table to separate each segment of stub and its accompanying data columns from the continued segments (e.g., tables 2, 8, 10, etc.);
- (2) to set off independent sections of a table (e.g., tables 1, 6, 22, etc.).

**Averages.** An average is a single number or value that is often used to represent the “t value” of a group of numbers. It is regarded as a measure of “location” or “central tendency” group of numbers.

The *arithmetic mean* is the type of average used most frequently. It is derived by summing individual item values of a particular group and dividing the total by the number of items. The arithmetic mean is often referred to as simply the “mean” or “average.”

The *median* of a group of numbers is the middle number or value when each item in the group is arranged according to size (lowest to highest or vice versa); it generally has the same number of items above it as below it. If there is an even number of items in the group, the median is taken to be the average of the two middle items.

*Per capita* (or per person) quantities. A per capita figure represents an average computed for every person in a specified group (or population). It is derived by taking the total for an item (such as income, taxes, or retail sales) and dividing it by the number of persons in the specified population.

**Index numbers.** An index number is a measure of difference or change, usually expressed as a percent, relating one quantity (the variable) of a specified kind to another quantity of the same kind. Index numbers are widely used to express changes in prices over periods of time but may also be used to express differences between related subjects for a single point in time.

To compute a price index, a base year or period is selected. The base year price (of the commodity or service) is then designated as the base or reference price to which the prices for other years or periods are related. Many price indexes use the year 1967 as the base year; in tables, this is shown as “1967 = 100.” A method of expressing the price relationship is:

$$\frac{\text{Price of a set of one or more items for related year}}{\text{Price of the same set of items for base year}}$$

The result multiplied by 100 provides the index number. When 100 is subtracted from the index number, the result equals the percent change in price from the base year.

**Average annual percent change.** Unless otherwise stated in the *Abstract* (as in Section 1, Introduction), average annual percent change is computed by use of a *compound interest formula*. This formula assumes that the rate of change is constant throughout a specified compounding period (one year for average annual rates of change). The formula is similar to that used to compute the future balance of a savings account which receives compound interest. According to this formula, at the end of a compounding period the amount of accrued change (e.g., school enrollment or bank interest) is added to the amount which existed at the beginning of the period. As a result, over the next period (e.g., with each year or quarter), the same rate of change is applied to a larger and larger amount.

The *exponential formula*, which is based on continuous compounding, is often used to measure population change. It is preferred by population experts because they view population and population-related subjects as changing without interruption, ever ongoing. Both exponential and compound interest formulas assume a constant rate of change. The former, however, applies the amount of change continuously to the base rather than at the end of each compounding period.

When the average annual rates are small (e.g., less than 5 percent), both formulas give the same results. For an explanation of these two formulas as they relate to population, see the Bureau of the Census, *The Methods and Materials of Demography*, vol. 2, 3d printing (rev. 1965), pp. 372–381.

**Current and constant dollars.** Statistics in some tables in a number of sections are expressed in both current and constant dollars (see, for example, table 688, section 14). Current dollars reflect actual prices or costs prevailing during the specified year(s). Constant dollar figures represent estimates representing an effort to remove the effects of price changes from statistical series expressed in dollar terms. In general, constant dollar series are derived by dividing current dollar estimates by the appropriate price index for the appropriate period (for example, the Consumer Price Index). The result is a series as it would presumably exist if prices were the same throughout, as in the base year—in other words as if the dollar had constant purchasing power. Any changes in this constant dollar series would reflect only changes in real volume of output, income, expenditures, or other measure.



# State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

Division AND STATE	RESIDENT POPULATION <sup>1</sup> (July 1)											
	Total, <sup>2</sup> 1987		Percent change, <sup>3</sup> 1986-87		Per square mile, <sup>4</sup> 1987		Projections, <sup>5</sup> 1990		Under 18 years old, <sup>6</sup> 1986		65 years old and over, <sup>6</sup> 1986	
	Number (1,000)	Rank	Percent	Rank	Number	Rank	Number (1,000)	Rank	Percent	Rank	Percent	Rank
United States	243,490	(x)	7.4	(x)	89	(x)	248,891	(x)	28.2	(x)	12.1	(x)
New England	12,844	(x)	4.9	(x)	204	(x)	13,978	(x)	23.8	(x)	13.3	(x)
Maine	1,187	38	5.5	24	36	36	1,212	36	25.8	38	13.3	13
New Hampshire	1,057	40	14.8	9	118	19	1,142	39	25.3	39	11.6	32
Vermont	548	48	7.2	20	59	30	582	49	25.9	34	11.9	30
Massachusetts	5,895	13	2.1	40	748	3	5,880	13	23.0	49	13.6	10
Rhode Island	986	43	4.1	32	935	2	1,002	43	23.3	48	14.8	3
Connecticut	3,211	28	3.3	35	659	4	3,279	28	23.8	47	13.3	14
Middle Atlantic	37,438	(x)	1.8	(x)	375	(x)	37,489	(x)	24.3	(x)	13.4	(x)
New York	17,825	2	1.5	43	376	6	17,773	2	24.6	44	12.8	18
New Jersey	7,872	9	4.2	29	1,027	1	7,889	9	24.0	45	12.8	17
Pennsylvania	11,836	5	.8	46	286	6	11,827	5	24.0	46	14.8	2
East North Central	41,884	(x)	.5	(x)	172	(x)	42,888	(x)	26.7	(x)	12.8	(x)
Ohio	10,784	7	-1	47	283	8	10,791	7	26.5	24	12.3	22
Indiana	5,531	14	7	45	154	15	5,580	14	26.8	21	11.9	28
Illinois	11,582	6	1.4	44	206	11	11,812	8	26.5	26	12.0	27
Michigan	8,200	8	-7	48	182	14	8,295	8	27.0	19	11.4	35
Wisconsin	4,807	17	2.1	36	86	24	4,808	17	25.6	23	13.0	15
West North Central	17,884	(x)	2.9	(x)	36	(x)	17,722	(x)	26.3	(x)	13.6	(x)
Minnesota	4,248	21	4.2	30	53	32	4,324	21	26.3	28	12.5	19
Iowa	2,894	29	-2.7	50	51	33	2,759	30	26.2	31	14.5	4
Missouri	5,103	15	3.8	33	74	27	5,182	15	25.8	35	13.7	7
North Dakota	672	46	2.8	38	10	45	680	47	27.9	11	13.0	16
South Dakota	709	45	2.7	39	9	46	705	45	27.9	12	13.9	6
Nebraska	1,584	36	1.5	42	21	41	1,588	37	26.7	22	13.6	9
Kansas	2,475	32	4.7	25	30	38	2,492	32	26.3	29	13.4	12
South Atlantic	41,884	(x)	12.8	(x)	188	(x)	43,742	(x)	25.1	(x)	12.8	(x)
Delaware	644	47	8.3	17	333	7	686	46	25.3	40	11.4	34
Maryland	4,535	19	7.5	19	481	5	4,729	18	24.9	41	10.6	37
District of Columbia	622	(x)	-2.6	(x)	9,871	(x)	614	(x)	22.0	(x)	12.2	(x)
Virginia	5,804	12	10.4	13	149	16	6,157	12	24.9	42	10.5	40
West Virginia	1,997	34	-2.7	49	79	26	1,956	34	26.3	30	13.6	8
North Carolina	6,413	10	9.0	18	131	17	6,690	10	25.8	37	11.5	33
South Carolina	3,425	24	9.7	15	113	20	3,549	25	27.6	13	10.5	39
Georgia	6,222	11	13.9	11	107	21	6,683	11	26.1	10	10.0	43
Florida	12,023	4	23.4	4	222	10	12,818	4	22.5	50	17.7	1
East South Central	15,330	(x)	4.3	(x)	88	(x)	15,897	(x)	27.4	(x)	12.2	(x)
Kentucky	3,727	23	1.8	41	94	23	3,745	24	27.0	16	12.0	26
Tennessee	4,655	18	5.7	23	118	18	4,972	16	26.0	32	12.3	23
Alabama	4,083	22	4.9	25	80	25	4,181	22	27.5	14	12.2	24
Mississippi	2,825	31	4.1	31	56	31	2,899	31	30.5	4	12.0	28
West South Central	28,918	(x)	13.3	(x)	83	(x)	27,937	(x)	29.1	(x)	10.4	(x)
Arkansas	2,368	33	4.5	27	46	35	2,427	33	27.2	17	14.5	5
Louisiana	4,481	25	8.1	21	100	22	4,513	20	29.9	7	10.1	42
Oklahoma	3,272	27	8.2	16	48	34	3,295	27	27.2	18	12.4	20
Texas	16,789	3	18.0	5	64	29	17,712	3	29.5	6	9.5	46
Mountain	13,167	(x)	15.8	(x)	15	(x)	13,886	(x)	29.0	(x)	10.2	(x)
Montana	809	44	2.9	37	6	48	805	44	29.2	9	12.1	25
Idaho	888	43	5.8	22	12	44	1,017	42	31.0	3	11.2	36
Wyoming	480	50	4.4	28	5	49	502	50	30.5	5	8.4	48
Colorado	3,285	26	14.1	10	32	37	3,434	26	26.5	25	9.0	47
New Mexico	1,800	37	15.1	7	12	43	1,832	36	30.0	6	9.8	44
Arizona	3,386	26	24.6	3	30	39	3,752	23	27.4	15	12.3	21
Utah	1,880	35	15.0	8	20	42	1,778	35	37.2	1	8.0	49
Nevada	1,007	41	25.8	2	9	47	1,076	41	24.6	43	10.3	41
Pacific	24,539	(x)	14.3	(x)	41	(x)	24,285	(x)	26.3	(x)	16.8	(x)
Washington	4,538	18	9.8	14	68	28	4,857	19	25.9	33	11.7	31
Oregon	2,724	30	3.4	34	26	40	2,766	29	25.4	36	13.4	11
California	27,883	1	16.3	6	177	12	29,126	1	26.3	27	10.6	38
Alaska	525	49	30.7	1	1	50	576	48	32.1	2	3.4	50
Hawaii	1,083	39	12.2	12	188	13	1,141	40	28.9	20	9.7	45

X Not applicable.  
Statistical Abstract.  
Statistical Abstract.

<sup>1</sup> Source: U.S. Bureau of the Census.

Percent change, April 1, 1980-July 1, 1988.

<sup>2</sup> See table 27, 1988 Statistical Abstract.

<sup>3</sup> See table 21, 1988 Statistical Abstract.

Minus sign (-) indicates decrease.

<sup>4</sup> See table 25, 1988 Statistical Abstract.

<sup>5</sup> See table 25, 1988

<sup>6</sup> See table 21, 1988

## State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have the same rank, but different rates]

DIVISION AND STATE	RESIDENT POPULATION IN METRO AREAS, 1 2 1980		HOUSEHOLDS, PERCENT CHANGE, 1 2 1960-80		BIRTH RATE, 4 5 1985		DEATHS, 6 7 1985				R 8
	Percent	Rank	Percent	Rank	Rate	Rank	To teenage mothers		To unmarried women		
							Percent	Rank	Percent	Rank	
United States	78.8	(X)	10.5	(X)	15.5	00	12.7	(X)	22.0	(X)	
New England	80.7	(X)	8.4	(X)	14.2	(X)	9.2	(X)	18.8	(X)	
Maine	38.1	44	11.0	22	14.5	38	11.7	25	17.8	34	
New Hampshire	58.4	33	17.1	8	15.5	28	8.3	48	13.4	48	
Vermont	23.1	49	12.1	17	15.0	32	9.8	39	17.1	37	
Massachusetts	90.8	7	8.9	39	14.1	44	8.5	47	18.4	29	
Rhode Island	92.5	5	7.5	33	13.5	46	10.8	30	19.6	25	
Connecticut	92.8	4	7.4	34	13.9	47	9.2	49	21.3	22	
Middle Atlantic	89.8	(X)	5.7	(X)	14.1	(X)	10.4	(X)	25.3	(X)	
New York	90.5	8	5.2	43	14.6	36	10.0	37	28.1	4	
New Jersey	100.0	1	8.8	28	14.0	48	9.8	38	22.3	17	
Pennsylvania	84.6	9	4.5	48	13.5	48	11.5	27	22.6	15	
East North Central	77.3	(X)	4.7	(X)	15.2	(X)	12.6	(X)	21.4	(X)	
Ohio	78.8	16	4.3	47	14.9	33	13.3	19	21.8	19	
Indiana	68.0	22	5.2	44	14.7	36	14.1	14	19.8	24	
Illinois	82.4	11	4.7	45	15.7	23	12.5	20	25.7	9	
Michigan	80.2	15	3.8	48	15.2	30	12.1	22	18.1	31	
Wisconsin	65.5	25	8.9	38	15.4	28	10.2	35	18.1	31	
West North Central	65.8	(X)	8.4	(X)	15.8	(X)	10.2	(X)	16.8	(X)	
Minnesota	65.6	26	8.9	31	16.1	19	7.5	50	15.1	42	
Iowa	42.9	40	1.7	50	14.3	41	9.3	42	13.6	45	
Missouri	65.8	27	8.8	40	15.3	29	13.5	18	21.8	20	
North Dakota	37.3	42	8.7	29	17.1	12	7.8	48	11.5	48	
South Dakota	28.2	47	7.8	32	17.1	11	10.2	36	17.9	33	
Nebraska	48.9	37	5.8	42	15.9	22	9.1	44	14.8	43	
Kansas	52.0	35	7.2	38	16.2	17	11.4	28	14.7	44	
South Atlantic	73.5	(X)	16.2	(X)	14.9	(X)	14.8	(X)	25.2	(X)	
Delaware	65.0	28	12.1	18	15.5	27	13.7	16	26.2	7	
Maryland	82.9	3	11.2	20	15.5	25	12.1	22	29.1	2	
District of Columbia	100.0	(X)	-9	(X)	15.8	(X)	17.6	(X)	56.7	(X)	1
Virginia	71.5	20	13.9	15	15.1	31	12.2	21	21.4	21	
West Virginia	35.5	43	3.4	49	12.5	50	17.1	7	17.4	35	
North Carolina	65.0	34	14.5	11	14.3	42	16.0	10	22.1	18	
South Carolina	60.2	31	14.2	13	15.6	24	17.0	9	26.4	5	
Georgia	64.3	29	17.5	7	16.1	18	17.3	8	25.7	9	
Florida	80.9	6	23.8	4	14.4	40	13.9	15	25.8	6	
East South Central	64.5	(X)	9.0	(X)	14.7	(X)	18.2	(X)	34.8	(X)	
Kentucky	45.5	38	7.3	35	14.2	43	17.6	4	18.5	27	
Tennessee	66.8	24	10.2	23	14.0	45	17.1	7	24.3	13	
Alabama	64.1	30	9.1	26	14.9	35	17.9	3	24.9	11	
Mississippi	30.0	45	8.0	27	16.5	14	20.8	1	32.9	1	
West South Central	72.4	(X)	18.3	(X)	18.0	(X)	18.8	(X)	18.0	(X)	
Arkansas	39.3	41	8.5	30	14.9	34	19.2	2	22.4	16	
Louisiana	69.1	21	11.0	21	18.2	7	17.3	5	28.6	3	
Oklahoma	58.5	32	12.2	16	16.1	20	15.6	11	17.2	38	
Texas	80.7	14	20.0	5	16.8	4	15.3	13	15.4	40	
Mountain	65.2	(X)	18.1	(X)	18.4	(X)	11.7	(X)	17.7	(X)	
Montana	24.4	48	7.1	37	16.4	15	8.9	38	16.6	36	
Idaho	19.4	50	9.8	25	17.5	9	10.5	32	10.8	46	
Wyoming	28.5	46	9.9	24	18.4	6	11.6	26	13.3	47	
Colorado	61.6	12	16.8	9	17.0	13	10.4	33	15.6	39	
New Mexico	47.8	35	18.4	6	19.1	3	15.5	12	25.3	8	
Arizona	75.4	18	26.3	2	18.5	5	13.7	16	23.9	14	
Utah	77.0	17	14.8	10	22.8	2	8.9	45	8.7	50	
Nevada	82.5	10	25.1	3	16.4	16	12.1	22	15.6	41	
Pacific	80.4	(X)	13.4	(X)	17.8	(X)	10.7	(X)	23.2	(X)	
Washington	81.0	13	11.9	19	15.9	21	10.3	34	18.5	27	
Oregon	67.4	23	6.6	41	14.7	37	10.6	31	18.7	28	
California	85.7	2	14.0	14	17.9	8	10.9	29	24.6	12	
Alaska	44.0	39	36.2	1	24.5	1	5.7	46	18.3	30	
Hawaii	76.8	18	14.4	12	17.4	10	9.8	36	19.9	25	

X Not applicable. <sup>1</sup> Source: U.S. Bureau of the Census. <sup>2</sup> See table 33, 1985 Statistical Abstract. <sup>3</sup> metropolitan statistical areas as defined June 30, 1967. <sup>4</sup> See table 61, 1985 Statistical Abstract. <sup>5</sup> Percent of 1980 July 1, 1985. <sup>6</sup> Minus sign (-) indicates decrease. <sup>7</sup> Source: U.S. National Center for Health Statistics, 85, 1985 Statistical Abstract. <sup>8</sup> Registered births per 1,000 population, by place of residence. <sup>9</sup> See table 68, 1 Abstract. <sup>10</sup> See table 104, 1985 Statistical Abstract. <sup>11</sup> Source: The Alan Guttmacher Institute, New York, NY.

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	INFANT MORTALITY RATE, <sup>1 2</sup> 1986		PHYSICIANS PER 100,000 POPULATION, <sup>3</sup> 1986		HOSPITALS						PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT, PERCENT CHANGE, <sup>7</sup> 1980-86	
					Beds per 100,000 population, <sup>4</sup> 1986		Occupancy rate, <sup>4 5</sup> 1986		Average daily room charges, <sup>6</sup> 1987			
	Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank	Dollars	Rank	Percent	Rank
United States .....	10.6	(x)	204	(x)	548	(x)	69.5	(x)	244	(x)	-3.6	(x)
New England .....	9.2	(x)	271	(x)	986	(x)	77.9	(x)	(NA)	(x)	-13.3	(x)
Maine .....	9.1	42	170	26	549	26	71.4	12	222	23	-7.2	37
New Hampshire .....	9.3	40	183	22	450	40	70.0	15	219	25	-3.6	23
Vermont .....	8.5	47	239	6	542	27	72.2	11	257	13	-6.3	34
Massachusetts .....	9.1	42	311	2	986	5	79.0	5	262	10	-17.4	50
Rhode Island .....	8.2	50	229	7	558	23	79.9	3	246	15	-10.1	45
Connecticut .....	10.0	30	262	4	505	35	80.1	2	247	16	-13.0	49
Middle Atlantic .....	10.8	(x)	288	(x)	634	(x)	69.5	(x)	(NA)	(x)	-10.1	(x)
New York .....	10.8	20	288	3	647	7	66.0	1	262	10	-6.7	42
New Jersey .....	10.6	24	227	8	552	25	79.6	4	215	27	-10.4	46
Pennsylvania .....	11.0	17	219	9	634	12	73.1	9	294	4	-11.6	48
East North Central .....	10.6	(x)	163	(x)	548	(x)	67.7	(x)	(NA)	(x)	-8.4	(x)
Ohio .....	10.3	27	166	20	557	24	67.0	22	253	14	-8.3	40
Indiana .....	10.9	18	148	40	540	29	66.6	24	208	30	-8.5	41
Illinois .....	11.7	10	208	12	577	19	67.7	20	279	5	-7.9	39
Michigan .....	11.4	13	178	24	497	37	70.8	14	208	3	-9.3	44
Wisconsin .....	9.1	42	175	25	574	20	66.6	28	174	42	-7.5	38
West North Central .....	9.5	(x)	174	68	674	(x)	64.9	(x)	(NA)	(x)	-5.5	(x)
Minnesota .....	8.8	45	207	11	646	9	67.6	19	226	19	-6.5	35
Iowa .....	9.5	37	139	45	646	10	62.1	38	194	33	-9.2	43
Missouri .....	10.2	29	194	21	636	11	67.5	21	206	29	-5.9	32
North Dakota .....	8.5	47	159	38	691	1	63.5	35	166	38	1.7	13
South Dakota .....	9.9	31	132	48	619	2	60.6	43	174	42	-3.9	27
Nebraska .....	9.6	35	159	35	723	3	62.1	40	174	42	-5.0	31
Kansas .....	9.3	40	165	31	636	4	62.1	36	213	26	-1.2	19
South Atlantic .....	12.1	(x)	291	(x)	548	(x)	69.5	(x)	(NA)	(x)	-2.4	(x)
Delaware .....	14.6	1	169	16	611	14	75.6	8	279	5	-8.1	33
Maryland .....	11.9	7	315	1	514	34	77.9	6	219	25	-10.5	47
District of Columbia .....	20.6	(x)	573	(x)	1,332	(x)	80.0	(x)	374	(x)	-13.0	(x)
Virginia .....	11.5	12	200	14	526	30	71.3	13	180	36	-4.2	29
West Virginia .....	10.7	22	161	34	599	17	64.4	30	194	37	-8.3	36
North Carolina .....	11.8	9	171	28	501	36	69.7	16	151	49	-3.8	25
South Carolina .....	14.2	2	149	39	462	38	72.7	10	156	47	-1.9	21
Georgia .....	12.7	4	183	33	564	21	68.9	17	180	46	1.0	14
Florida .....	11.3	15	196	16	541	26	65.2	29	206	30	3.5	7
East South Central .....	12.1	(x)	163	(x)	611	(x)	66.2	(x)	(NA)	(x)	-3.7	(x)
Kentucky .....	11.2	16	153	36	520	33	66.5	25	199	32	-3.9	26
Tennessee .....	11.4	13	179	23	654	6	66.1	18	170	45	-4.7	30
Alabama .....	12.6	5	144	41	619	13	65.7	27	169	34	-3.8	28
Mississippi .....	13.7	3	119	50	647	8	63.6	34	125	50	-1.3	20
West South Central .....	10.4	(x)	162	(x)	548	(x)	61.6	(x)	(NA)	(x)	5.3	(x)
Arkansas .....	11.6	11	140	44	564	22	59.0	45	154	46	-3.3	22
Louisiana .....	11.9	7	178	25	602	18	64.0	33	166	34	1.9	12
Oklahoma .....	10.9	18	140	43	520	32	60.6	50	177	41	2.4	11
Texas .....	9.8	33	164	32	524	31	61.4	42	164	37	8.0	3
Mountain .....	9.5	(x)	173	(x)	433	(x)	62.3	(x)	(NA)	(x)	5.8	(x)
Montana .....	10.3	27	140	42	564	16	56.9	47	221	24	-6	17
Idaho .....	10.4	26	120	49	416	42	58.4	48	223	22	3.0	9
Wyoming .....	12.2	6	130	48	609	15	59.0	45	179	40	5.1	5
Colorado .....	9.4	39	200	15	448	41	64.3	32	243	18	.5	15
New Mexico .....	10.6	24	166	30	455	39	66.6	28	227	20	2.6	10
Arizona .....	9.7	34	167	19	410	48	64.4	30	259	12	6.6	4
Utah .....	9.8	35	174	27	310	50	62.0	41	244	17	17.2	2
Nevada .....	8.5	47	159	37	416	44	56.7	49	227	20	4.0	6
Pacific .....	9.7	(x)	231	(x)	411	(x)	66.1	(x)	(NA)	(x)	2.4	(x)
Washington .....	10.7	22	202	13	366	46	62.6	37	266	6	-1.1	16
Oregon .....	9.9	31	194	17	413	45	59.4	44	266	9	-3.7	24
California .....	9.5	37	242	5	417	43	67.0	22	327	2	3.4	8
Alaska .....	10.8	20	132	47	364	49	62.7	35	372	1	23.0	1
Hawaii .....	6.8	45	215	10	390	47	76.7	7	267	7	-6	16

NA Not available. X Not applicable. <sup>1</sup> Source: U.S. National Center for Health Statistics. <sup>2</sup> See table 116, 1986 Statistical Abstract. Represents deaths of infants under 1 year old per 1,000 live births, by place of residence. Excludes fetal deaths. <sup>3</sup> See table 145, 1986 Statistical Abstract. Source: American Medical Association, Chicago, IL (Copyright). Covers active non-Federal physicians and includes physicians not classified according to activity status. <sup>4</sup> See table 156, 1986 Statistical Abstract. Source: American Hospital Association, Chicago, IL (Copyright). <sup>5</sup> Ratio of average daily census to every 100 beds. <sup>6</sup> See table 159, 1986 Statistical Abstract. Source: Health Insurance Association of America, Washington, DC. As of January. Covers non-government short-term general hospitals and represents average cost to patient for semi-private room. <sup>7</sup> See table 206, 1986 Statistical Abstract. Source: U.S. Department of Education, Center for Education Statistics. Minus sign (-) indicates decrease.

## State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values, but different ranks]

DIVISION AND STATE	PUBLIC ELEMENTARY AND SECONDARY SCHOOLS <sup>1</sup>				CRIME RATE PER 100,000 POPULATION, <sup>4</sup> 1966		FEDERAL AND STATE PRISONERS, <sup>5</sup>				VPI CASE RATE
	Teachers' average salaries, <sup>2</sup> 1967		Current expenditures per pupil, <sup>3</sup> 1967		Rate	Rank	Rate per 100,000 population, 1966		Percent change 1960-66		
	Dollars	Rank	Dollars	Rank			Rate	Rank	Percent	Rank	
United States .....	26,551	(x)	3,670	(x)	5,480	(x)	226.8	(x)	66.7	(x)	
New England .....	(NA)	(x)	(NA)	(x)	4,689	(x)	131.3	(x)	68.4	(x)	
Maine .....	21,257	46	3,550	26	3,481	43	112.2	43	61.7	29	
New Hampshire .....	22,011	41	3,386	33	3,330	45	78.1	48	139.9	4	
Vermont .....	21,535	42	4,459	12	3,977	36	125.0	39	40.8	41	
Massachusetts .....	28,410	9	4,856	6	4,723	26	97.4	46	78.3	16	
Rhode Island .....	31,079	5	4,574	11	4,902	22	139.5	36	67.4	22	
Connecticut .....	26,902	8	5,582	5	4,829	24	216.5	19	60.3	31	
Middle Atlantic .....	(NA)	(x)	(NA)	(x)	4,819	(x)	178.2	(x)	83.1	(x)	
New York .....	32,000	2	6,299	2	5,786	14	216.2	20	76.3	18	
New Jersey .....	26,718	6	6,120	4	5,241	20	157.9	31	104.3	9	
Pennsylvania .....	27,422	10	4,752	8	3,102	46	127.9	38	66.0	13	
East North Central .....	(NA)	(x)	(NA)	(x)	5,068	(x)	188.2	(x)	63.6	(x)	
Ohio .....	26,268	21	3,789	24	4,359	31	208.9	21	66.5	23	
Indiana .....	26,063	22	3,379	34	3,656	42	184.9	25	52.3	33	
Illinois .....	26,238	11	3,980	20	5,546	17	188.4	30	63.5	27	
Michigan .....	31,500	3	3,654	21	6,491	9	226.8	15	37.1	43	
Wisconsin .....	27,976	13	4,701	9	4,097	37	119.1	41	43.1	39	
West North Central .....	(NA)	(x)	(NA)	(x)	4,296	(x)	136.8	(x)	63.4	(x)	
Minnesota .....	26,340	10	4,241	14	4,362	30	58.4	50	23.0	46	
Iowa .....	22,803	38	3,740	27	4,151	36	97.4	45	11.9	49	
Missouri .....	23,468	31	3,345	36	4,654	27	207.0	22	53.1	14	
North Dakota .....	21,284	45	3,206	37	2,806	49	62.0	49	66.4	24	
South Dakota .....	18,781	50	3,190	38	2,716	48	147.6	34	64.8	26	
Nebraska .....	22,083	39	3,437	32	3,856	41	122.2	40	35.1	44	
Kansas .....	23,427	32	4,137	18	4,823	25	220.5	17	117.5	8	
South Atlantic .....	(NA)	(x)	(NA)	(x)	5,724	(x)	284.2	(x)	47.8	(x)	
Delaware .....	27,467	15	4,779	7	4,832	23	446.8	3	91.9	12	
Maryland .....	28,693	7	4,650	10	5,802	16	296.6	6	72.4	21	
District of Columbia .....	33,797	(x)	5,349	(x)	8,339	(x)	1,077.8	(x)	114.5	(x)	
Virginia .....	25,473	24	3,808	22	3,880	40	223.4	16	45.0	36	
West Virginia .....	21,446	44	2,869	42	2,317	50	77.3	47	17.9	47	
North Carolina .....	23,775	29	3,473	31	4,332	33	280.5	11	14.5	48	
South Carolina .....	23,180	34	3,005	41	5,137	21	346.8	4	46.6	37	
Georgia .....	24,200	26	3,167	39	5,455	19	264.5	9	42.8	40	
Florida .....	23,765	28	4,066	19	6,226	1	278.0	12	55.4	32	
East South Central .....	(NA)	(x)	(NA)	(x)	3,910	(x)	210.1	(x)	61.8	(x)	
Kentucky .....	22,612	37	3,107	40	3,082	47	169.5	29	76.2	19	
Tennessee .....	22,627	36	2,842	43	4,534	28	149.5	32	2.3	50	
Alabama .....	23,500	30	2,610	47	4,286	34	289.0	5	79.0	15	
Mississippi .....	19,447	49	2,534	48	3,345	44	267.0	13	72.9	20	
West South Central .....	(NA)	(x)	(NA)	(x)	6,706	(x)	250.9	(x)	45.0	(x)	
Arkansas .....	18,904	46	2,795	44	3,825	38	196.2	24	61.5	30	
Louisiana .....	20,054	47	3,237	36	6,078	12	323.9	6	64.0	28	
Oklahoma .....	22,080	40	2,701	46	6,914	13	290.9	7	100.1	10	
Texas .....	24,568	25	3,584	29	7,408	2	230.9	14	29.9	45	
Mountain .....	(NA)	(x)	(NA)	(x)	6,322	(x)	196.5	(x)	94.7	(x)	
Montana .....	23,206	33	4,070	16	4,479	29	135.7	37	50.3	34	
Idaho .....	21,480	43	2,555	46	4,207	35	144.8	35	77.6	17	
Wyoming .....	26,103	12	6,229	3	4,357	32	170.8	28	62.0	25	
Colorado .....	27,367	17	4,129	17	7,032	5	112.4	42	39.7	42	
New Mexico .....	23,677	27	3,537	30	6,626	8	182.8	26	111.2	11	
Arizona .....	25,972	23	2,784	45	7,321	3	264.2	10	115.8	7	
Utah .....	23,036	35	2,455	50	5,476	18	110.8	44	96.0	11	
Nevada .....	26,960	18	3,768	25	6,290	10	467.9	1	145.0	2	
Pacific .....	(NA)	(x)	(NA)	(x)	6,781	(x)	211.2	(x)	122.2	(x)	
Washington .....	27,527	14	3,908	23	6,880	6	148.0	33	50.1	35	
Oregon .....	26,680	20	4,236	15	7,081	4	175.6	27	49.1	36	
California .....	31,219	4	3,751	26	6,763	7	220.5	18	142.1	3	
Alaska .....	43,970	1	6,842	1	6,246	11	480.7	2	199.3	1	
Hawaii .....	26,815	19	4,372	13	5,671	15	205.3	23	121.3	6	

NA Not available. X Not applicable. <sup>1</sup> Source: National Education Association, Washington, DC. (Copyright table 211, 1966 Statistical Abstract. Data presented here are revised. <sup>2</sup> See table 217, 1966 Statistical Abstract. <sup>3</sup> Represents expenditures per pupil in average daily attendance in day schools. <sup>4</sup> See table 265, 1966 Statistical Abstract. <sup>5</sup> Source: U.S. Federal Bureau of Investigation. Based on offenses known to the police. <sup>6</sup> See table 308, 1966 Statistical Abstract. <sup>7</sup> Source: U.S. Bureau of Justice Statistics. <sup>8</sup> See table 422, 1966 Statistical Abstract. Data from Bureau of the Census.



# State Rankings

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[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	STATE AND LOCAL GOVERNMENT <sup>1</sup> 1986						FEDERAL EXPENDITURES <sup>4</sup> 1988					
	Direct general expenditure per capita <sup>1</sup>		Tax revenue per capita <sup>2</sup>		Employees per 10,000 population <sup>3</sup>		Total funds		Grants to State and local governments per capita		Funds for defense	
	Dollars	Rank	Dollars	Rank	Rate	Rank	BL dol.	Rank	Dollars	Rank	Percent	Rank
United States	2,313	(X)	1,406	(X)	442	(X)	892.9	(X)	481.9	(X)	26.6	(X)
New England	2,345	(X)	1,627	(X)	427	(X)	48.8	(X)	616.3	(X)	37.9	(X)
Maine	2,104	32	1,326	26	429	36	3.7	29	572.9	10	34.8	22
New Hampshire	1,816	43	1,126	41	392	49	3.0	43	303.4	40	31.8	13
Vermont	2,306	20	1,392	30	439	27	1.4	50	617.4	7	18.1	42
Massachusetts	2,428	16	1,715	7	439	31	24.9	8	526.5	12	36.6	6
Rhode Island	2,541	10	1,479	14	414	39	3.2	41	584.6	8	23.1	25
Connecticut	2,389	21	1,816	4	429	33	12.5	19	470.7	23	44.4	3
Middle Atlantic	2,761	(X)	1,914	(X)	479	(X)	119.2	(X)	675.4	(X)	18.9	(X)
New York	3,343	3	2,334	3	565	3	59.4	2	695.5	4	19.0	23
New Jersey	2,482	15	1,749	6	464	19	22.3	11	440.2	29	21.2	28
Pennsylvania	2,029	34	1,395	21	367	50	37.5	6	481.0	19	17.4	35
East North Central	2,339	(X)	1,443	(X)	499	(X)	112.3	(X)	441.7	(X)	16.5	(X)
Ohio	2,120	31	1,331	28	402	46	31.8	6	443.1	27	21.8	27
Indiana	1,851	42	1,181	39	412	42	14.7	18	393.4	44	22.6	26
Illinois	2,173	30	1,474	15	401	47	30.1	7	433.7	34	11.8	44
Michigan	2,499	14	1,609	12	414	41	23.4	10	476.0	21	13.5	40
Wisconsin	2,547	9	1,611	11	429	35	12.2	24	462.8	15	10.9	45
West North Central	2,277	(X)	1,362	(X)	449	(X)	99.9	(X)	437.2	(X)	24.9	(X)
Minnesota	2,842	4	1,767	5	412	42	12.4	22	500.7	14	20.9	29
Iowa	2,311	24	1,331	28	449	24	8.3	31	406.2	39	9.0	48
Missouri	1,775	49	1,091	42	409	44	20.9	13	391.2	42	22.6	11
North Dakota	2,696	5	1,357	25	459	19	2.8	45	537.7	5	16.3	34
South Dakota	2,214	29	1,043	44	454	21	2.9	47	645.5	6	13.4	41
Nebraska	2,255	27	1,251	34	514	5	5.2	37	413.6	36	14.7	38
Kansas	2,220	29	1,357	24	490	9	8.8	29	369.3	47	32.5	12
South Atlantic	2,016	(X)	1,292	(X)	499	(X)	195.1	(X)	399.2	(X)	30.9	(X)
Delaware	2,699	6	1,559	13	466	10	1.9	48	499.1	16	24.0	24
Maryland	2,362	22	1,629	10	443	25	21.7	12	436.9	30	32.7	10
District of Columbia	4,342	(X)	2,515	(X)	752	(X)	14.4	(X)	2,273.2	(X)	12.0	(X)
Virginia	1,993	36	1,307	29	455	19	29.0	8	344.7	49	48.4	2
West Virginia	1,989	37	1,209	36	483	11	5.4	39	554.2	11	4.9	50
North Carolina	1,795	45	1,144	40	454	21	15.7	17	390.2	46	24.4	23
South Carolina	1,792	47	1,076	43	474	14	9.9	27	391.5	41	27.5	18
Georgia	1,970	38	1,181	37	509	6	16.5	14	447.6	25	34.8	8
Florida	1,956	40	1,181	37	423	36	39.5	4	277.9	50	29.2	19
East South Central	1,939	(X)	999	(X)	444	(X)	99.9	(X)	491.2	(X)	19.5	(X)
Kentucky	1,799	44	1,033	45	402	46	12.5	21	478.4	20	14.3	39
Tennessee	1,743	49	999	47	436	29	15.9	16	443.1	29	12.2	43
Alabama	1,959	39	990	48	480	17	13.1	20	434.1	32	26.0	20
Mississippi	1,784	46	919	50	496	6	6.5	30	512.0	13	30.7	15
West South Central	2,029	(X)	1,247	(X)	471	(X)	78.6	(X)	364.3	(X)	36.4	(X)
Arkansas	1,695	50	967	49	431	32	7.2	35	473.4	22	20.5	31
Louisiana	2,309	25	1,297	30	504	7	12.4	23	453.0	24	20.6	30
Oklahoma	2,034	33	1,299	31	477	13	9.8	28	423.6	35	24.6	21
Texas	2,004	35	1,267	32	467	15	47.3	3	313.2	49	35.7	7
Mountain	2,434	(X)	1,399	(X)	464	(X)	66.6	(X)	491.2	(X)	25.4	(X)
Montana	2,615	7	1,393	22	476	12	2.8	44	722.5	3	8.4	46
Idaho	1,898	41	1,022	46	429	35	3.0	42	434.1	31	10.2	48
Wyoming	4,198	2	2,590	2	636	2	1.5	49	929.0	2	15.5	36
Colorado	2,409	19	1,448	16	442	26	11.5	25	373.4	43	30.7	14
New Mexico	2,539	11	1,249	35	524	4	7.1	34	579.4	9	19.7	32
Arizona	2,305	26	1,379	23	427	34	11.4	26	393.4	45	34.1	9
Utah	2,327	23	1,258	33	414	39	5.5	36	484.7	17	30.6	16
Nevada	2,519	12	1,443	17	455	19	3.7	40	434.1	33	14.8	37
Pacific	2,679	(X)	1,846	(X)	411	(X)	132.5	(X)	436.8	(X)	37.5	(X)
Washington	2,519	12	1,435	18	436	28	16.9	15	426.9	36	29.7	17
Oregon	2,471	16	1,420	19	436	30	7.4	32	496.7	15	8.3	47
California	2,595	8	1,645	8	396	48	100.9	1	416.5	37	40.0	5
Alaska	8,509	1	4,595	1	757	1	2.7	46	1,243.4	1	43.7	4
Hawaii	2,499	17	1,952	9	453	23	4.6	38	445.4	26	52.5	1

NA Not available. X Not applicable. <sup>1</sup> Source: U.S. Bureau of the Census. <sup>2</sup> See table 441, 1986 Statistical Abstract. <sup>3</sup> Represents full-time employees per 10,000 population. <sup>4</sup> See table 495, 1986 Statistical Abstract. Source: U.S. Bureau of the Census. U.S. total includes data undistributed by State.

## State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	SOCIAL SECURITY RECIPIENTS PER 1,000 POPULATION, <sup>1 2</sup> 1988		PUBLIC AID RECIPIENTS, PERCENT OF POPULATION, <sup>1 3</sup> 1988		FOOD STAMP RECIPIENTS PER 1,000 POPULATION, <sup>4</sup> 1988		CIVILIAN LABOR FORCE <sup>5</sup>					
							Employment				Unemployment rate <sup>6</sup> 1988	
	Rate	Rank	Percent	Rank	Rate	Rank	Total, 1988 Number (1,000)	Rank	Net change, <sup>7</sup> 1988-86 Number (1,000)	Rank		
United States	182	(x)	8.2	(x)	78.8	(x)	108,887	(x)	10,294	(x)	7.6	
New England	162	(x)	5.8	(x)	82.0	(x)	8,484	(x)	848	(x)	3.9	
Maine	174	6	6.9	11	88.7	14	832	38	84	30	5.8	
New Hampshire	148	33	1.9	50	20.4	50	546	38	96	28	2.8	
Vermont	157	25	5.6	21	82.8	30	279	48	42	40	4.7	
Massachusetts	161	17	5.9	19	64.0	40	2,834	11	220	14	3.8	
Rhode Island	161	8	6.2	16	64.8	28	480	41	51	35	4.0	
Connecticut	158	21	4.5	31	38.9	48	1,574	23	174	18	3.8	
Middle Atlantic	166	(x)	7.1	(x)	82.1	(x)	16,827	(x)	1,118	(x)	6.2	
New York	158	23	8.2	5	94.1	12	7,881	2	804	4	6.3	
New Jersey	156	26	5.8	20	61.5	43	3,886	9	374	8	5.0	
Pennsylvania	162	4	6.3	15	63.6	16	5,246	6	239	11	6.8	
East North Central	168	(x)	7.4	(x)	91.4	(x)	16,837	(x)	798	(x)	7.9	
Ohio	160	18	7.5	9	103.3	7	4,809	7	149	23	8.1	
Indiana	158	22	3.8	40	63.4	29	2,585	14	187	15	6.7	
Illinois	147	34	7.8	8	94.5	11	5,225	8	149	24	8.1	
Michigan	156	27	8.7	2	96.4	8	4,007	8	251	10	6.8	
Wisconsin	168	11	7.8	7	75.2	21	2,230	17	68	33	7.0	
West North Central	166	(x)	4.7	(x)	63.2	(x)	6,361	(x)	418	(x)	6.8	
Minnesota	152	32	4.8	29	54.8	36	2,095	19	113	26	5.3	
Iowa	178	6	5.4	28	71.9	24	1,332	29	-17	49	7.0	
Missouri	173	9	5.5	23	73.8	23	2,374	16	231	13	6.1	
North Dakota	159	20	3.0	45	51.5	41	310	47	22	45	8.3	
South Dakota	176	7	3.7	41	74.9	22	329	45	12	46	4.7	
Nebraska	163	15	3.9	38	58.4	33	793	34	31	42	5.9	
Kansas	180	19	3.7	42	48.4	46	1,158	31	25	44	5.4	
South Atlantic	166	(x)	5.2	(x)	67.8	(x)	18,888	(x)	2,808	(x)	8.7	
Delaware	153	30	4.8	30	48.0	45	311	48	48	36	4.3	
Maryland	129	43	5.5	24	58.6	34	2,252	18	237	12	4.6	
District of Columbia	129	(x)	11.3	(x)	103.8	(x)	802	(x)	-3	(x)	7.7	
Virginia	134	40	4.1	35	57.2	35	2,740	13	308	9	5.0	
West Virginia	168	3	8.2	6	139.2	3	655	36	-80	50	11.8	
North Carolina	155	28	5.0	26	67.0	26	3,034	10	355	7	5.3	
South Carolina	147	36	6.5	13	91.5	13	1,502	26	210	16	6.2	
Georgia	134	41	6.4	14	60.8	18	2,836	12	455	5	5.8	
Florida	204	1	3.9	36	51.5	42	5,298	4	1,251	2	5.7	
East South Central	164	(x)	7.2	(x)	121.1	(x)	8,873	(x)	408	(x)	8.4	
Kentucky	165	12	7.0	10	138.8	4	1,533	25	3	47	8.3	
Tennessee	162	16	6.1	17	104.3	6	2,116	16	186	17	8.0	
Alabama	165	14	6.8	12	118.7	5	1,697	22	171	20	8.8	
Mississippi	165	13	10.4	1	188.8	1	1,027	32	46	38	11.7	
West South Central	132	(x)	5.0	(x)	96.8	(x)	11,888	(x)	1,316	(x)	8.5	
Arkansas	189	2	5.9	16	97.4	10	979	33	56	34	8.7	
Louisiana	136	38	8.2	4	155.5	2	1,727	21	59	32	13.1	
Oklahoma	153	31	4.5	32	61.1	16	1,482	28	189	21	8.2	
Texas	120	46	4.1	36	82.3	17	7,433	3	1,043	3	8.9	
Mountain	132	(x)	3.8	(x)	81.1	(x)	5,888	(x)	848	(x)	7.4	
Montana	156	24	4.2	34	70.8	25	374	44	27	43	8.1	
Idaho	147	28	2.8	48	55.8	37	427	43	32	41	8.3	
Wyoming	110	48	2.7	47	55.2	38	227	50	1	49	8.8	
Colorado	114	47	3.5	43	58.3	36	1,588	24	156	22	7.4	
New Mexico	130	42	5.3	27	102.8	8	810	37	82	29	8.1	
Arizona	155	29	3.3	44	61.2	31	1,476	27	321	8	6.1	
Utah	102	49	3.0	46	48.0	47	709	35	114	25	6.1	
Nevada	135	39	2.5	49	36.3	49	508	40	105	27	8.1	
Pacific	132	(x)	7.8	(x)	82.6	(x)	16,388	(x)	2,807	(x)	7.1	
Washington	147	37	5.8	22	86.1	27	2,000	20	174	18	6.1	
Oregon	170	10	4.2	33	79.7	20	1,233	30	45	38	8.1	
California	128	44	6.7	3	59.7	32	12,473	1	1,681	1	6.1	
Alaska	51	50	4.0	37	50.6	44	229	49	80	31	10.1	
Hawaii	128	45	5.4	25	83.8	15	485	42	48	36	4	

X Not applicable. <sup>1</sup> Source: U.S. Social Security Administration. Data compiled by U.S. Bureau of the Census table 505, 1988 Statistical Abstract. <sup>2</sup> See table 590, 1988 Statistical Abstract. Total recipients of Aid to Families Dependent Children and Federal Supplemental Security Income as a percent of resident population. <sup>3</sup> See table 505, 1988 Statistical Abstract. Source: U.S. Department of Agriculture, Food and Nutrition Service. <sup>4</sup> See table 810, 1988 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. <sup>5</sup> Minus sign (-) indicates decrease. <sup>6</sup> Unemployed as civilian labor force.

# State Rankings

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States share the same rank, the next lower rank is omitted. (Because of rounded data, States may have identical values shown, but different ranks.)

IN AND STATE	NONAGRICULTURAL EMPLOYMENT, PERCENT CHANGE, <sup>1</sup> 1965-66						AVERAGE ANNUAL PAY <sup>2</sup> 1966		EXPORT-RELATED MANUFACTURING EMPLOYMENT, <sup>3</sup> 1964			
	Total		Manufacturing		Services				Total		Percent of total manufacturing	
	Percent	Rank	Percent	Rank	Percent	Rank	Dollars	Rank	Number (1,000)	Rank	Percent	Rank
All States	10.2	(X)	-6.4	(X)	20.1	(X)	16,866	(X)	2,179	(X)	11.4	(X)
Ala.	13.6	(X)	-7.8	(X)	30.9	(X)	(NA)	(X)	196	(X)	13.4	(X)
Ark.	14.0	13	-8.1	26	30.4	16	16,336	44	11	36	10.9	30
Calif.	25.9	4	1.2	13	48.2	2	16,303	27	14	34	11.9	17
Col.	16.9	2	-1.9	19	22.8	18	16,867	40	7	41	15.2	4
Conn.	12.4	19	-6.9	31	20.2	19	20,825	6	91	8	13.8	7
Del.	11.0	22	-7.2	36	30.6	15	17,733	39	12	36	10.5	27
Fla.	12.9	20	-10.2	38	29.9	17	22,516	4	60	12	14.4	5
Ill.	7.8	(X)	-15.9	(X)	27.9	(X)	(NA)	(X)	267	(X)	11.1	(X)
Ind.	9.7	28	-13.4	43	24.4	26	23,200	2	181	2	11.2	21
Iowa	13.9	15	-11.3	39	37.9	11	22,309	6	79	9	10.6	26
Kan.	.9	43	-21.0	47	25.0	28	19,404	18	127	4	11.3	20
Md.	2.4	(X)	-11.5	(X)	29.9	(X)	(NA)	(X)	686	(X)	11.9	(X)
Mass.	2.5	36	-12.9	41	30.2	37	19,302	12	144	3	12.8	11
Mich.	4.6	34	-8.2	30	29.5	29	19,084	17	72	10	11.8	18
Minn.	-1.5	45	-23.4	49	19.5	39	21,462	7	117	6	11.0	22
Mo.	5.7	32	-1.1	15	22.1	20	22,720	3	118	5	12.5	14
Mont.	4.0	37	-8.1	27	18.9	42	16,202	29	54	13	10.7	24
N.H.	4.6	(X)	-6.1	(X)	29.5	(X)	(NA)	(X)	148	(X)	10.7	(X)
N.J.	6.8	30	-9.9	19	21.2	35	19,630	15	47	16	12.7	15
N.M.	-3.0	47	-17.9	48	14.2	46	16,696	43	20	28	10.1	34
N.Y.	3.2	27	-3.4	22	23.8	30	16,915	20	43	17	10.4	29
Ohio	1.5	40	-3.8	23	19.4	40	15,776	46	2	44	11.4	19
Ore.	5.9	31	7.3	6	19.9	41	14,477	50	2	44	6.7	47
Penn.	4.2	35	-10.8	38	26.7	25	16,106	48	9	39	10.0	35
R.I.	4.1	38	-8.1	29	15.7	45	17,394	31	17	31	9.2	39
S.C.	16.9	(X)	1.3	(X)	45.7	(X)	(NA)	(X)	276	(X)	8.1	(X)
S.D.	16.9	9	-4.1	24	39.9	8	19,539	14	9	36	12.9	11
Tenn.	14.0	14	-11.3	40	40.6	7	20,121	10	54	27	10.7	24
Tex.	4.0	(X)	3.9	(X)	21.8	(X)	27,137	(X)	1	(X)	3.9	(X)
Va.	18.5	6	2.5	10	41.9	6	16,972	16	37	20	9.0	41
Wash.	-7.9	50	-25.9	50	21.5	34	16,406	24	11	36	13.1	9
W.Va.	14.9	11	1.5	11	32.7	13	17,001	38	68	11	8.3	43
Wis.	12.6	17	-7.1	25	40.0	8	16,900	42	34	21	9.4	36
Wyo.	23.9	5	8.8	5	45.4	5	16,746	22	42	18	7.7	45
Unk.	29.3	3	13.3	3	49.3	3	17,579	34	48	14	10.2	32
Utah Central	7.9	(X)	-2.8	(X)	35.9	(X)	(NA)	(X)	144	(X)	8.9	(X)
Id.	5.5	33	-8.4	32	23.0	31	17,367	37	28	24	10.3	30
Mont.	10.4	23	-2.1	20	32.3	14	17,861	35	42	19	8.7	42
Wyo.	7.7	29	-1.4	17	28.4	27	17,636	36	31	22	9.1	40
Alaska	2.4	39	.5	14	10.7	49	15,420	49	15	33	7.0	46
Utah Central	6.9	(X)		(X)	36.9	(X)	(NA)	(X)	171	(X)	11.2	(X)
Ala.	9.7	26	1.4	12	27.1	23	16,162	45	19	32	8.1	44
Ark.	-3.5	46	-22.0	46	15.3	44	16,280	28	19	29	10.2	32
Calif.	.2	44	-14.9	44	15.8	43	16,346	25	19	29	11.0	22
Fla.	12.5	18	-8.2	35	35.1	12	19,934	11	117	5	12.0	16
Ill.	15.9	(X)	7.1	(X)	32.1	(X)	(NA)	(X)	76	(X)	13.2	(X)
Ind.	-1.6	46	-13.2	42	12.5	48	16,086	47	1	46	6.3	48
Iowa	1.5	41	-2.4	21	13.3	47	16,602	41	5	42	8.7	37
Kan.	-5.3	49	-15.7	45	9.3	50	16,989	19	1	46	6.6	49
Mich.	12.1	21	2.5	9	26.9	21	20,275	9	27	23	14.0	6
Minn.	13.5	16	10.5	4	29.5	20	17,301	38	3	43	9.3	36
Mo.	22.2	1	19.2	1	57.0	1	16,570	21	25	24	15.9	3
N.J.	15.1	10	4.3	7	38.8	10	17,883	32	11	36	12.1	15
N.Y.	17.3	7	14.6	2	22.5	32	16,739	23	2	44	10.5	27
Ohio	12.8	(X)	1.2	(X)	35.5	(X)	(NA)	(X)	247	(X)	13.7	(X)
Pa.	10.1	24	-1.5	16	27.4	22	19,846	13	68	14	17.2	2
R.I.	1.2	42	-6.4	34	20.2	36	16,322	26	25	25	13.0	10
S.C.	14.4	12	2.8	8	25.8	24	21,385	8	271	1	13.3	8
Tenn.	31.1	2	-10.4	37	46.7	4	29,442	1	2	44	28.7	1
Unk.	6.0	29	-9.3	32	20.8	35	16,101	30	1	46	5.1	50

1 available. X Not applicable. <sup>1</sup> See table 641 1966 Statistical Abstract. Source: U.S. Bureau of Labor Statistics.  
 for (-) indicates decreases. <sup>2</sup> See table 650, 1966 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. For  
 covered by State unemployment insurance laws and for Federal civilian workers covered by unemployment compensation  
 all employees pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Preliminary.  
 for 1957, 1966 Statistical Abstract. Source: U.S. Bureau of the Census.

## State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	PERSONAL INCOME <sup>1</sup>				ENERGY CONSUMPTION PER CAPITA, <sup>2</sup> 1985		ENERGY EXPENDITURES PER CAPITA, <sup>3</sup> 1985		ENERGY PRODUCTION, PERCENT NUCLEAR <sup>4</sup> 1985		GROUND WATER WITHDRAWAL PERCENT TOTAL WATER WITHDRAWN 1985	
	Percent change, <sup>5</sup> 1985-88		Per capita, <sup>6</sup> 1988									
	Percent	Rank	Dollars	Rank	MBtu	Rank	Dollars	Rank	Percent	Rank	Percent	Rank
United States	8.3	(x)	14,841	(x)	310	(x)	1,847	(x)	16.7	(x)	16.5	
New England	8.4	(x)	17,188	(x)	217	(x)	1,882	(x)	33.8	(x)	(NA)	
Maine	8.7	4	12,720	33	261	36	1,788	28	57.3	4	4.3	
New Hampshire	10.1	1	15,911	8	200	49	1,540	48	-	(x)	8.4	
Vermont	7.5	17	13,348	28	215	48	1,819	46	65.4	1	29.4	
Massachusetts	8.4	5	17,722	4	213	47	1,828	44	6.0	29	3.3	
Rhode Island	7.8	14	14,579	20	202	48	1,528	49	-	(x)	8.8	
Connecticut	8.1	7	18,800	1	218	45	1,770	28	58.0	3	3.8	
Middle Atlantic	7.8	(x)	16,588	(x)	236	(x)	1,858	(x)	28.7	(x)	(NA)	
New York	7.8	10	17,111	5	180	50	1,449	50	19.8	20	7.2	
New Jersey	7.5	18	18,826	2	282	32	2,089	8	51.3	5	8.6	
Pennsylvania	5.5	35	14,248	21	276	34	1,697	36	27.0	11	5.8	
East North Central	6.8	(x)	14,487	(x)	318	(x)	1,887	(x)	15.8	(x)	(NA)	
Ohio	6.0	37	13,933	22	334	15	1,923	16	(x)	31	6.7	
Indiana	5.7	29	13,138	32	418	7	2,189	6	-	(x)	7.8	
Illinois	5.8	33	15,588	9	301	25	1,856	19	40.0	8	8.7	
Michigan	6.1	25	14,775	17	287	31	1,823	22	18.1	23	5.9	
Wisconsin	6.1	28	13,909	23	271	37	1,680	39	26.2	13	8.5	
West North Central	5.8	(x)	13,882	(x)	338	(x)	1,888	(x)	18.4	(x)	(NA)	
Minnesota	5.8	24	14,984	15	292	30	1,764	29	38.9	9	24.2	
Iowa	5.5	34	13,348	29	318	21	1,957	14	12.4	26	24.2	
Missouri	5.7	28	13,789	24	293	29	1,797	25	13.2	25	10.5	
North Dakota	3.7	45	12,472	38	438	5	2,387	5	-	(x)	10.9	
South Dakota	7.7	12	11,814	39	271	38	1,770	27	-	(x)	35.9	
Nebraska	5.3	36	13,742	25	310	24	1,838	20	40.7	7	55.9	
Kansas	5.8	31	14,650	18	411	8	2,114	7	23.6	15	84.5	
South Atlantic	7.7	(x)	14,088	(x)	288	(x)	1,718	(x)	24.7	(x)	(NA)	
Delaware	6.7	21	15,010	19	330	18	2,054	10	-	(x)	4.8	
Maryland	7.4	16	16,884	7	257	41	1,862	41	34.0	10	3.9	
District of Columbia	6.1	(x)	19,387	(x)	288	(x)	1,841	(x)	-	(x)	(NA)	
Virginia	8.0	9	15,408	11	280	33	1,720	31	50.0	6	4.7	
West Virginia	4.1	42	10,578	49	378	11	1,919	18	-	(x)	3.7	
North Carolina	7.7	12	12,438	36	288	38	1,708	34	26.4	12	5.0	
South Carolina	6.7	22	11,289	48	288	27	1,741	30	63.0	2	3.1	
Georgia	8.7	3	13,445	26	288	28	1,811	23	9.7	27	18.3	
Florida	8.3	6	14,646	19	228	43	1,821	45	20.3	18	23.8	
East South Central	5.8	(x)	11,243	(x)	333	(x)	1,831	(x)	7.4	(x)	(NA)	
Kentucky	4.5	41	11,238	44	320	20	1,714	33	-	(x)	4.9	
Tennessee	7.2	19	12,002	35	344	14	1,880	17	-	(x)	5.3	
Alabama	6.0	27	11,338	42	346	12	1,954	13	16.9	22	4.0	
Mississippi	4.8	38	9,718	50	312	23	1,700	35	21.5	16	63.8	
West South Central	1.8	(x)	12,736	(x)	538	(x)	2,852	(x)	6.7	(x)	(NA)	
Arkansas	5.8	30	11,073	47	323	18	1,854	15	25.3	14	84.5	
Louisiana	.2	48	11,183	48	710	2	3,019	2	20.1	19	13.8	
Oklahoma	1.0	47	12,283	37	406	9	2,053	11	-	(x)	44.7	
Texas	1.7	46	13,478	26	546	4	2,785	4	-	(x)	28.3	
Mountain	6.7	(x)	13,388	(x)	316	(x)	1,788	(x)	4.8	(x)	(NA)	
Montana	6.8	23	11,803	40	421	6	2,087	8	-	(x)	2.1	
Idaho	3.7	44	11,223	45	346	13	1,887	37	-	(x)	21.1	
Wyoming	-1.5	50	12,781	34	888	3	2,784	3	-	(x)	8.1	
Colorado	4.8	38	15,234	12	275	35	1,642	43	.2	30	17.1	
New Mexico	3.7	43	11,422	41	316	22	1,800	24	-	(x)	46.1	
Arizona	8.3	2	13,474	27	257	40	1,714	32	19.5	21	48.1	
Utah	4.8	40	10,981	48	322	19	1,884	38	-	(x)	18.1	
Nevada	8.0	8	15,437	10	327	17	2,022	12	-	(x)	24.1	
Pacific	7.5	(x)	16,351	(x)	272	(x)	1,828	(x)	18.9	(x)	(NA)	
Washington	7.5	15	15,009	14	362	10	1,854	40	9.1	28	17.1	
Oregon	5.6	31	13,328	31	299	26	1,851	42	14.8	24	10.1	
California	7.9	11	16,804	3	241	42	1,586	47	21.5	18	30.1	
Alaska	-1.0	49	17,798	3	658	1	3,382	1	-	(x)	17.1	
Hawaii	6.8	20	14,888	16	221	44	1,533	21	-	(x)	30.1	

- Represents zero. NA Not available. X Not applicable. Z Less than .05 percent. <sup>1</sup> Source: U.S. Economic Analysis. <sup>2</sup> See table 851, 1988 Statistical Abstract. <sup>3</sup> Source: U.S. Energy Information Administration. <sup>4</sup> See table 851, 1988 Statistical Abstract. <sup>5</sup> See table 811, 1988 Statistical Abstract. <sup>6</sup> See table 840, 1988 Statistical Abstract. <sup>7</sup> See table 327, 1988 Statistical Abstract. <sup>8</sup> Source: U.S. Geological Survey.

# State Rankings

XXV

[When States share the same rank, the next lower rank is omitted. (Because of rounded data, States may have identical values shown, but different ranks)]

DIVISION AND STATE	DOMESTIC TRAVEL EXPENDITURES, <sup>1</sup> 1966		MOTOR VEHICLES				FARMS <sup>4</sup>					
			Registrations per 1,000 population, <sup>2</sup> 1966		Accident deaths per 100,000 population, <sup>3</sup> 1966		Average value per acre, percent change, <sup>5</sup> 1960-67		Marketing, cash receipts, <sup>6</sup> 1966		Net farm income/debt ratio, <sup>7</sup> 1966	
	Mill. dol.	Rank	Rate	Rank	Rate	Rank	Percent	Rank	Mill.dol.	Rank	Ratio	Rank
United States	242,443	(X)	732	(X)	19.3	(X)	-25.6	(X)	136,166	(X)	22.5	(X)
New England	13,309	(X)	721	(X)	14.8	(X)	(NA)	(X)	1,742	(X)	(NA)	(X)
Maine	1,730	37	734	29	19.2	30	62.2	2	305	45	10.0	45
New Hampshire	1,552	38	902	2	19.8	28	78.7	4	108	48	49.2	8
Vermont	1,228	42	773	21	20.8	21	78.4	5	308	43	31.3	17
Massachusetts	5,885	12	841	45	13.1	46	86.5	1	423	42	111.9	2
Rhode Island	488	50	831	47	12.8	48	67.1	7	75	49	183.2	1
Connecticut	2,835	28	795	18	14.2	44	69.9	6	372	44	72.7	3
Middle Atlantic	26,792	(X)	869	(X)	13.2	(X)	(NA)	(X)	8,378	(X)	(NA)	(X)
New York	16,538	3	527	50	12.0	50	29.3	8	2,530	21	22.8	23
New Jersey	12,933	5	847	43	13.0	47	80.8	3	580	37	67.2	4
Pennsylvania	9,321	6	817	48	15.3	42	17.8	9	3,165	15	36.7	10
East North Central	29,713	(X)	735	(X)	15.8	(X)	(NA)	(X)	22,321	(X)	(NA)	(X)
Ohio	8,849	10	775	20	14.7	43	-45.5	43	3,510	12	20.9	28
Indiana	2,665	25	743	26	19.0	32	-50.0	46	4,110	10	12.4	43
Illinois	8,852	7	874	40	13.5	45	-49.0	45	6,890	6	17.2	38
Michigan	7,172	8	786	19	17.7	35	-25.0	32	2,884	19	15.8	39
Wisconsin	4,065	20	686	37	16.3	39	-37.6	38	5,057	8	24.4	20
West North Central	16,486	(X)	834	(X)	18.9	(X)	(NA)	(X)	36,512	(X)	(NA)	(X)
Minnesota	5,209	15	842	13	15.7	41	-54.8	47	6,074	6	20.1	29
Iowa	1,918	31	909	3	16.8	36	-59.3	48	9,108	2	20.3	29
Missouri	4,976	17	709	39	20.0	27	-38.8	39	3,516	13	12.6	42
North Dakota	648	46	956	5	17.1	37	-30.4	35	2,299	24	18.9	37
South Dakota	576	49	956	4	20.1	26	-39.0	40	2,463	22	19.0	32
Nebraska	1,390	41	780	17	16.1	40	-47.2	44	6,828	4	25.2	19
Kansas	1,852	33	883	7	20.4	22	-42.1	42	5,425	7	24.4	21
South Atlantic	45,788	(X)	778	(X)	23.3	(X)	(NA)	(X)	16,115	(X)	(NA)	(X)
Delaware	690	47	796	25	19.1	31	-1.3	14	520	41	58.0	5
Maryland	4,346	19	753	27	17.4	38	-18.2	29	1,185	34	36.2	13
District of Columbia	1,232	(X)	551	(X)	15.4	(X)	00	(X)	00	(X)	00	(X)
Virginia	5,305	13	771	22	17.9	33	8.1	11	1,613	30	18.6	31
West Virginia	1,298	40	646	44	23.8	15	-21.2	31	227	47	22.0	25
North Carolina	5,688	11	718	32	24.8	12	-10.1	22	3,782	11	37.2	11
South Carolina	2,386	24	674	39	28.3	5	-11.8	23	894	36	9.3	47
Georgia	5,222	14	788	23	24.5	14	-5.8	17	3,208	14	30.9	16
Florida	18,642	2	888	6	26.1	9	6.0	12	4,888	9	58.9	6
East South Central	8,188	(X)	779	(X)	24.2	(X)	(NA)	(X)	8,107	(X)	(NA)	(X)
Kentucky	2,290	30	708	35	20.1	24	-18.0	29	2,389	23	20.6	27
Tennessee	3,758	23	815	15	25.6	10	3.7	13	1,924	27	18.4	33
Alabama	1,753	39	654	10	25.0	11	-6.3	20	2,009	25	35.8	14
Mississippi	1,389	39	690	36	28.4	8	-20.1	30	1,785	28	10.2	44
West South Central	24,347	(X)	745	(X)	23.3	(X)	(NA)	(X)	15,489	(X)	(NA)	(X)
Arkansas	1,870	32	605	49	24.6	13	-30.9	36	3,022	17	32.0	16
Louisiana	3,790	22	679	38	22.5	18	-41.6	41	1,972	32	6.3	48
Oklahoma	2,902	26	882	8	23.6	17	-30.3	34	2,822	20	17.6	34
Texas	15,885	4	758	28	23.3	18	10.6	10	8,444	3	18.8	30
Mountain	22,484	(X)	774	(X)	26.8	(X)	(NA)	(X)	10,120	(X)	(NA)	(X)
Montana	742	48	767	24	29.2	6	-28.6	33	1,213	33	8.8	46
Idaho	875	43	860	9	26.7	7	-18.8	28	1,925	28	14.9	40
Wyoming	805	45	1,000	1	28.4	4	-8.2	19	566	40	1.6	50
Colorado	5,005	16	846	11	19.4	29	-5.9	18	3,109	18	16.8	36
New Mexico	1,804	35	781	19	36.7	1	-34.1	37	1,010	35	17.5	35
Arizona	4,389	18	709	34	29.5	3	-9.4	21	1,485	31	23.2	22
Utah	1,852	34	854	41	20.4	23	-14.3	24	570	39	13.0	41
Nevada	8,912	9	723	31	31.7	2	-14.9	25	232	46	7.9	48
Pacific	42,586	(X)	747	(X)	19.8	(X)	(NA)	(X)	18,220	(X)	(NA)	(X)
Washington	3,837	21	844	12	17.8	34	-1.8	16	2,793	16	37.0	12
Oregon	2,462	29	824	14	22.5	20	-18.4	27	1,784	29	22.2	24
California	32,507	1	730	30	20.1	25	-4.1	15	14,049	1	32.6	15
Alaska	919	44	652	42	23.8	16	(NA)	(X)	29	50	41.4	9
Hawaii	2,781	27	833	46	12.7	49	(NA)	(X)	575	38	55.2	7

NA Not available. X Not applicable. <sup>1</sup> See table 396, 1966 Statistical Abstract. Source: U.S. Travel Data Center, Washington, DC. (Copyright). <sup>2</sup> See table 991, 1966 Statistical Abstract. Source: U.S. Federal Highway Administration. <sup>3</sup> See table 998, 1966 Statistical Abstract. Source: U.S. National Center for Health Statistics. <sup>4</sup> Source: U.S. Department of Agriculture, Economic Research Service. <sup>5</sup> See table 1096, 1966 Statistical Abstract. Covers land and buildings. Minus sign (-) indicates decrease. <sup>6</sup> See table 1078, 1966 Statistical Abstract. <sup>7</sup> See table 1079, 1966 Statistical Abstract.

## State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks.]

DIVISION AND STATE	EXISTING HOME SALES, PERCENT CHANGE, <sup>1</sup> 1965-66		HOUSING UNITS STARTED, PERCENT CHANGE, <sup>2</sup> 1965-66		MANUFACTURING ESTABLISHMENTS <sup>3</sup>				RETAIL SALES PER CAPITA <sup>4</sup>			
					Value added, 1966		Production workers, percent change, 1962-66		Total, 1966		Percent change, 1959-66	
	Percent	Rank	Percent	Rank	\$B. dol.	Rank	Percent	Rank	Dollars	Rank	Percent	Rank
United States	11.6	(X)	3.6	(X)	996.5	(X)	-36.3	(X)	6,123	(X)	33.3	
New England	3.3	(X)	16.8	(X)	66.8	(X)	-36.3	(X)	7,862	(X)	63.4	
Maine	13.7	16	16.8	13	4.7	36	-25.6	10	6,803	10	46.6	
New Hampshire	-9.8	48	13.4	19	5.0	36	-29.9	17	8,344	2	47.7	
Vermont	25.3	4	15.7	14	1.7	42	-38.3	30	7,305	7	46.0	
Massachusetts	6.1	31	15.3	15	33.0	11	-40.4	37	7,946	3	66.4	
Rhode Island	2.3	56	34.0	6	4.3	36	-30.7	19	6,566	16	45.5	
Connecticut	-7.1	47	13.4	18	20.6	18	-46.0	47	7,880	6	61.7	
Middle Atlantic	16.3	(X)	16.8	(X)	161.4	(X)	-44.2	(X)	6,022	(X)	36.4	
New York	13.7	16	3.9	26	73.4	2	-47.4	46	5,770	34	40.9	
New Jersey	7.3	26	19.0	10	36.1	6	-45.9	41	6,955	9	42.9	
Pennsylvania	22.5	5	29.9	8	51.9	7	-39.2	33	5,800	32	36.7	
East North Central	13.2	(X)	23.8	(X)	234.5	(X)	-36.6	(X)	5,841	(X)	34.6	
Ohio	10.7	21	32.2	7	64.2	3	-34.1	31	5,864	29	36.2	
Indiana	-4.4	44	37.6	3	33.5	10	-29.6	16	6,026	23	39.3	
Illinois	27.5	2	40.6	2	55.6	4	-40.6	39	5,721	36	29.4	
Michigan	11.6	20	34.1	5	63.6	6	-27.1	12	6,089	22	41.6	
Wisconsin	17.4	8	16.7	11	27.6	12	-62.2	50	5,410	42	25.0	
West North Central	14.6	(X)	8.6	(X)	75.7	(X)	-36.3	(X)	6,169	(X)	36.6	
Minnesota	31.0	1	14.6	16	19.4	19	-41.1	41	6,655	14	40.3	
Iowa	16.7	10	-1.7	26	13.4	24	-36.5	32	5,621	39	29.3	
Missouri	3.0	34	11.0	21	21.6	16	-36.2	27	6,232	19	43.6	
North Dakota	6.7	27	-43.6	46	.7	49	-40.6	36	6,377	17	27.3	
South Dakota	16.8	9	-12.0	40	1.4	44	-24.6	7	5,597	40	30.2	
Nebraska	4.1	33	14.5	17	5.3	34	-30.4	18	5,767	36	31.1	
Kansas	14.6	13	-6.0	33	11.7	27	-31.0	21	6,017	24	36.8	
South Atlantic	12.6	(X)	7.2	(X)	146.6	(X)	-26.4	(X)	6,209	(X)	34.7	
Delaware	4.9	32	36.7	4	3.4	40	-50.0	48	7,115	8	36.4	
Maryland	7.4	24	10.6	22	11.9	26	-39.3	34	7,768	12	37.6	
District of Columbia	17.2	(X)	100.0	(X)	1.2	(X)	-64.7	(X)	5,420	(X)	26.0	
Virginia	21.6	6	26.2	9	22.1	15	-25.5	6	6,126	21	36.1	
West Virginia	5.3	30	60.0	1	4.7	37	-37.6	29	5,170	44	34.6	
North Carolina	12.6	18	-2.0	29	39.1	8	-24.6	8	5,766	36	36.6	
South Carolina	10.3	22	-11.8	39	14.6	23	-27.4	13	5,410	43	36.4	
Georgia	15.4	12	6.6	23	27.0	13	-22.7	4	6,010	26	36.2	
Florida	12.0	19	4.3	24	21.7	17	-34.1	26	6,753	13	27.5	
East South Central	6.4	(X)	-6.7	(X)	62.2	(X)	-24.2	(X)	5,196	(X)	33.6	
Kentucky	1.6	36	-4.2	32	15.6	20	-27.9	14	5,041	45	27.6	
Tennessee	12.6	17	-11.0	37	22.2	14	-25.6	11	5,003	28	42.9	
Alabama	1.6	37	-6.4	36	16.3	21	-21.8	3	4,726	49	29.7	
Mississippi	-3.7	43	-14.0	42	9.1	31	-20.3	1	4,657	50	32.2	
West South Central	-3.7	(X)	-36.9	(X)	66.3	(X)	-41.4	(X)	5,329	(X)	17.7	
Arkansas	6.0	26	-19.1	43	6.3	32	-21.1	2	4,947	47	26.2	
Louisiana	-22.9	49	-44.8	49	12.3	26	-41.1	40	5,427	41	16.6	
Oklahoma	5.6	29	-33.6	45	6.4	30	-45.7	45	5,958	27	18.9	
Texas	-2.4	41	-37.7	46	55.2	5	-44.3	43	6,196	20	15.6	
Mountain	.2	(X)	-7.6	(X)	29.4	(X)	-36.6	(X)	6,067	(X)	23.6	
Montana	7.2	26	-41.9	47	.9	47	-25.0	9	5,758	37	17.2	
Idaho	-1.7	40	-14.0	41	2.5	41	-22.9	5	4,861	46	20.0	
Wyoming	-6.2	46	-29.4	44	.6	50	-40.0	35	7,600	6	37.5	
Colorado	-3.7	42	-7.2	34	10.1	28	-45.3	44	6,822	11	26.4	
New Mexico	-1.5	39	-4.1	31	1.6	43	-33.3	22	5,784	33	25.3	
Arizona	2.9	35	-11.1	38	7.9	33	-37.3	28	5,807	31	21.1	
Utah	-5.6	45	-7.6	35	4.8	36	-26.9	15	4,854	48	16.6	
Nevada	10.0	23	16.2	12	1.0	48	-36.0	26	7,607	4	66.3	
Pacific	17.3	(X)	6.7	(X)	137.7	(X)	-	(X)	6,457	(X)	29.6	
Washington	15.6	11	3.5	26	14.6	22	-43.0	42	6,651	30	25.1	
Oregon	14.5	14	-2.6	30	9.5	29	-30.8	20	5,663	28	24.3	
California	19.0	7	12.0	20	111.4	1	-40.6	38	6,677	15	31.6	
Alaska	-39.0	50	-73.3	50	.9	46	-36.6	31	6,442	1	16.7	
Hawaii	26.6	3	-	27	1.2	46	-33.3	22	6,430	16	29.6	

- Represents or rounds to zero X Not applicable. <sup>1</sup> See table 1217, 1966 Statistical Abstract. Source: N. A. A. R. <sup>2</sup> See table 1210, 1966 Statistical Abstract. Source: U.S. Census. <sup>3</sup> See table 1244, 1966 Statistical Abstract. Source: U.S. Census. <sup>4</sup> See table 1310, 1966 Statistical Abstract. Source: Market Statistics, New York, NY (Copyright).



## Telephone Contact List

To help Abstract users find more data and information about statistical publications, we are issuing this list of contacts for Federal agencies with major statistical programs. The intent is to give a single, first-contact point-of-entry for users of statistics. These agencies will provide general information on their statistical programs and publications, as well as specific information on how to order their publications.

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## Section 1

# Population

This section presents statistics on the growth, distribution, and characteristics of the U.S. population. The principal source of these data is the Bureau of the Census, which conducts a decennial census of population, a monthly population survey, a program of population estimates and projections, and a number of other periodic surveys relating to population characteristics. For a list of relevant publications, see the Guide to Sources in Appendix L.

**Decennial censuses.**—The U.S. Constitution provides for a census of the population every 10 years, primarily to establish a basis for apportionment of members of the House of Representatives among the States. For over a century after the first census in 1790, the census organization was a temporary one, created only for each decennial census. In 1902, the Bureau of the Census was established as a permanent Federal agency, responsible for enumerating the population and also for compiling statistics on other subjects.

The census of population is a complete count. That is, an attempt is made to account for every person, for each person's residence, and for other characteristics (sex, age, family relationships, etc.). Since the 1940 census, in addition to the complete count information, some data have been obtained from representative samples of the population. In the 1980 census, two sampling rates are employed. For most of the country, one in every six households (about 17 percent) received a long form or sample questionnaire; in areas estimated to have fewer than 2,500 inhabitants, every other household (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas. Exact agreement is not to be expected between sample data and the complete census count. Sample data may be used with confidence where large numbers are involved and assumed to indicate trends and relationships where small numbers are involved.

Three different census counts for the resident population in 1970 are shown in the tables: 19,211,826; 203,235,296; and 203,302,031. The first is the initial tabulated count, the second is the official count, and the third contains the latest revisions. Breakdowns of the revised count of 19,302,031 are not available for demographic characteristics and may not be available for some parts of geography. The complete count data from the 1980 census shown in this edition are consistent with figures published in the 1980 census final reports, series PC80-1-A.

Census data presented here have not been adjusted for underenumeration. Results from the evaluation program for the 1980 census did not produce a definitive estimate of the undercount, but they show that coverage improved substantially over previous censuses. The 1980 Post-Enumeration Program (PEP) estimates of overall coverage ranged between a 1.0 percent overcount and a 2.1 percent undercount; Demographic Analysis (DA) estimated the net undercount at between 1.0 and 2 percent. Consistent estimates of census coverage for the last 5 censuses (1940-80) have been prepared by the method of demographic analysis. For one set of estimates, demographic analysis shows a net underenumeration of about 3.2 million persons in 1980, 6.1 million in 1970, and 6.2 million in 1960. Among the persons not counted in 1980 about 1.5 million were white-and-other race and 1.7 million were black. The overall rate of net underenumeration in 1980, according to this set of estimates, was 1.4 percent. In 1970, the rate was 2.9 percent as compared with 3.3 percent in 1960 and 4.4 percent in 1950. The percent net undercount of blacks—while still high relative to the rest of the population—dropped from 8.0 percent in 1970 to 5.9 percent in 1980. See *Coverage of Population in the 1980 Census, Evaluation and Research Reports, PHC80-E4*, forthcoming, for a discussion of the various estimates of census coverage.

**Current Population Survey (CPS).**—This is a monthly nationwide survey of a scientifically selected sample representing the noninstitutional civilian population. The sample is located in 729 areas comprising approximately 1,200 counties and independent cities with coverage in every State and the District of Columbia and is subject to sampling error. At the present time, about 71,000 housing units or other living quarters are assigned for interview at any time, of which about 59,800 are occupied by households eligible for interview; of these, in turn, between 4 and 5 percent are, for various reasons, unavailable for interview.

While the primary purpose of CPS is to obtain monthly statistics on the labor force, it also serves as a vehicle for inquiries on other subjects. Using CPS data, the Bureau issues a series of publications under the general title of Current Population Reports, which cover population characteristics (series P-20), consumer income (series P-60), special studies (series P-23), and other topics.

Estimates of population characteristics based on the 1980 CPS will not necessarily agree with the counts from the 1980 census because the CPS and the 1980 census used different procedures for collecting and processing the data for racial groups, the Hispanic population, and other groups. Caution should also be used when comparing estimates for 1980 and later, (for education 1981 and later), which reflect 1960 census-based population controls to those for 1971 through 1979 (for education, to 1980), which reflect 1970 census-based population controls. This change in population controls had relatively little impact on derived measures such as means, medians, and percent distribution, but did have a significant impact on levels. For example, use of 1980-based population controls resulted in about a 2-percent increase in the civilian noninstitutional population and in the number of families and households. Thus, estimates of levels for 1980 and later differ from those for earlier years by more than what could be attributed to actual changes in the population and these differences could be disproportionately greater for subpopulation groups than for the total population.

COMPONENTS OF SELECTED POPULATION UNIVERSES: MARCH 1, 1986  
[In thousands]

POPULATION UNIVERSE	Number
Total population including Armed Forces overseas .....	198,000
Armed Forces overseas .....	1,000
Resident population.....	197,000
Armed Forces in the United States .....	1,000
Living off post or with their families on post.....	1,000
Living on post without families.....	1,000
Civilian population.....	196,000
Institutional population.....	1,000
Noninstitutional population.....	195,000
Civilian noninstitutional population plus Armed Forces living off post or with their families on post (March Current Population Survey universe).....	194,000
Civilian noninstitutional population (Current Population Survey universe in months other than March) .....	193,000

**Population estimates and projections.**—National population estimates are derived by using decennial census data as benchmarks and data available from various agencies as follows: Births and deaths (National Center for Health Statistics); immigrants (Immigration and Naturalization Service); Armed Forces (Department of Defense and Department of Transportation) net movement between Puerto Rico and the U.S. mainland (Puerto Rico Planning Board); and Federal employees (Office of Personnel Management and Department of Defense). Estimates for States and counties are based on data series such as births and deaths, school statistics from State departments of education and parochial school systems, and Federal income tax returns. These estimates contain estimated emigration of 160,000 per year since 1980 and net undocumented immigrants of 200,000 per year. For further information, see *Current Population Reports*, series P-25, No. 1.

The estimates of the components of change shown for intercensal periods for States include residual net migration plus the "error of closure," the unexplained difference between the estimated population at the end of the decade and the census count for that date. The error of closure at the national level was quite small during the 1950's (3,000) and 1960's (379,000). However, in the 1970's it amounts to almost 5 million.

National population projections indicate the approximate future level and characteristics of the population under given assumptions as to future fertility, mortality, and net immigration. The method used to develop the projections involves preparation of projections of each of the components of population change—births, deaths, and net immigration—and the combination of these with estimates of the current population. Projections for States incorporate further assumptions about the redistribution of population as a consequence of internal migration.

Population estimates and projections are published in the P-25 and P-26 series of *Current Population Reports*. These estimates and projections are generally consistent with official census figures and do not reflect the amount of estimated census underenumeration. In the 1980 census, these estimates and projections by race have been modified and are not comparable to census race categories (see section below under "race"). For details on methodology, sources cited below the individual tables.

**Immigration.**—The principal source of immigration data is the *Statistical Yearbook* of the Immigration and Naturalization Service, published annually by the Immigration and Naturalization Service (INS), a unit of the Department of Justice. Immigration statistics are prepared from entry visas and change of immigration status forms. The collection of U.S. immigration statistics began under the Act of 1819. Data on persons arriving in ports were transmitted to the U.S. Secretary of State, who reported the information periodically to Congress. Subsequently, reports to the Secretary of State and to Congress were required by law, as well as the collection of data on immigrants arriving at land borders. Beginning in 1906, these arriving were divided into immigrants and nonimmigrants, depending on how long they intended to remain in the United States.

Immigrants are nonresident aliens (i.e., non U.S. citizens) admitted to the U.S. for permanent residence. The category includes persons who may have entered the U.S. as nonimmigrants or refugees, but who subsequently changed their status to that of a permanent resident. A large increase of immigrants admitted to the U.S. in one year may have been due to an influx of refugees one or two years earlier. Thus, immigrants as measured in tables 7 through 9 and 11 do not equal net civilian immigration as shown in table 6. Nonresident aliens admitted to the United States for a temporary period are nonimmigrants (see tables 392 and 393). Refugees are considered nonimmigrants when initially admitted into the U.S.

The Act of 1965, which became fully effective in July 1968, set up an annual numerical limitation of 170,000 immigrants from the Eastern Hemisphere, with no more than 20,000 immigrants to come from any one country, and a numerical limitation of 120,000 per year on Western Hemisphere immigration, which had previously been unrestricted. Western Hemisphere immigration, though restricted in total number, was not subject to preference category or per-country limitations. The 1965 Act thereby gave persons from every country within each hemisphere an equal chance to immigrate to the United States. After 1968 immigrants were classified as those subject to numerical limitations of the Eastern Hemisphere and of the Western Hemisphere, and those exempt from numerical limitations (see table 9). These exempt include immediate relatives of U.S. citizens and various classes of special immigrants.

For immigrants subject to numerical limitations, numbers are allocated on a basis of six preference categories beginning in 1980 (previously 7 categories), four of which provide for reunion of families of U.S. citizens and resident aliens, and two for specified workers needed in the United States. Numbers not used by these six preferences are then available to qualified nonpreference immigrants. From 1968 to December 1976, preference classifications were applied only to immigrants from the Eastern Hemisphere. Beginning 1977, Western Hemisphere immigrants were also subject to preference and nonpreference classifications. Effective October 1978, the separate hemisphere limits were abolished in favor of a worldwide limit of 290,000. This limit was lowered to 280,000 for fiscal year 1980, and to 270,000 for fiscal year 1981 and subsequent years.

Effective November 1966, Cubans admitted or paroled (i.e., admitted without an immigration visa) into the United States after January 1, 1959, and present in the United States for at least 2 years, may obtain permanent resident status. A court decision in September 1976 exempted Cuban refugees from numerical limitations, retroactive to 1968. The Refugee Act of 1980 changed the residency requirement from two years to one year. Beginning in fiscal year 1985, INS began adjusting eligible Cuban entrants who were admitted to the U.S. as part of the Mariel boat lift of 1980, which consisted of approximately 125,000 people.

Effective October 28, 1977, refugees from Vietnam, Laos, or Cambodia were eligible to apply for permanent resident status. Public Law 95-145 provided that Indochinese paroled into the United States after March 31, 1975, or physically present on that date, may become permanent residents after living for at least 2 years in the United States. This period was changed to one year under the Refugee Act of 1980. P.L. 95-145 expired on October 18, 1983. Indochinese refugees who entered the U.S. between March 1975 and April 1980 are eligible to adjust status under P.L. 95-412, the Act of October 5, 1978, which allows for the adjustment of refugee-parolees.

The Refugee Act of 1980, effective April 1, 1980, provides for a uniform admission procedure for refugees of all countries, based on the United Nation's definition of refugees. Authorized admission ceilings are set annually by the President in consultation with Congress. After one year of residence in the United States, refugees are eligible for immigrant status.

**Metropolitan Statistical Areas (MSA's), Consolidated Metropolitan Statistical Areas (CMSA's), and Primary Metropolitan Statistical Areas (PMSA's).**—The general concept of an MSA is one of a large population nucleus together with adjacent communities which have a high degree of social and economic integration with that nucleus. CMSA's are large metropolitan complexes within which individual components, designated as PMSA's, have been defined. MSA's, CMSA's, and PMSA's are defined by the Office of Management and Budget as a standard for Federal agencies in the preparation and publication of statistics relating to metropolitan areas. The new terms MSA, CMSA, and PMSA went into effect June 30, 1983, replacing the previous terms SMSA (standard metropolitan statistical area) and SCSA (standard consolidated statistical area). The entire territory of the United States is classified as metropolitan (inside MSA's or CMSA's) or non-metropolitan (outside MSA's or CMSA's). MSA's, CMSA's, and PMSA's are defined in terms of

entire counties except in New England, where the definitions are in terms of cities and summarize data for New England that are available only by counties, New England Metropolitan Areas (NECMA's) have been defined as a convenience for data users. From time to time new metropolitan areas are created and the boundaries of others change. As a result, metropolitan areas over time may not be comparable and the analysis of historical trends must be made cautiously. For descriptive details, tables showing changes in metropolitan area and a listing of area titles and components of each metropolitan area, see Appendix II.

**Urban and rural.**—According to the 1980 census definition, the urban population consists of persons living in (a) places of 2,500 or more inhabitants incorporated as cities, villages (except in Alaska and New York), and towns (except in the New England States, New Hampshire, and Wisconsin), but excluding those persons living in the rural portions of extended cities (a low population density in one or more large parts of their area); (b) census designated places (previously termed unincorporated) of 2,500 or more inhabitants; and (c) other territory, including unincorporated, included in urbanized areas. An urbanized area consists of a central city and its central core, together with contiguous closely settled territory, that combined have a total population of at least 50,000.

In censuses prior to 1950, the urban population comprised all persons living in places of 2,500 or more inhabitants and areas (usually minor civil divisions) classified under special rules relating to population size and density. To improve its measure of population, the Bureau of the Census in 1950 adopted the concept of the urbanized area and created boundaries for unincorporated places. The 1950 definition has continued substantially unchanged, except for minor modifications in 1980, the introduction of the extended city in 1970, and changes in the criteria for defining urbanized areas for 1980 so as to permit them to be defined around smaller centers. In all definitions, the population not classified as urban constitutes the rural population.

**Residence.**—In determining residence, the Bureau of the Census counts each person at his usual place of residence (i.e., the place where one usually eats and sleeps). This place is not necessarily a person's legal residence or voting residence, the use of these bases of classification would produce the same results in the vast majority of cases.

**Race.**—In the 1980 census, 15 groups were listed in the race item on the 1980 census questionnaire: White, Black, American Indian, Eskimo, Aleut, Chinese, Filipino, Japanese, Asian, Korean, Vietnamese, Hawaiian, Samoan, Guamanian, and Other. The concept of race as used by the Census Bureau does not denote any clear-cut scientific definition of biological stock. In the 1980 census obtained information on race through self-identification by respondents, the results represent self-classification by people according to the race with which they identify.

In 1980, if persons of mixed racial parentage could not provide a single response to the question, the race of the person's mother was used; however, if a single response was provided for the mother, then the first race reported by the person was used. This is a reversal of the 1970 census procedure in which the race of the person's father was used.

The 1980 population totals for "White" and "Other" are not comparable with corresponding figures from previous censuses. The lack of comparability is due to changes in the way respondents reported their race as well as changes in 1980 census procedures related to race classification. (For a fuller explanation, see *1980 Census of Population, Volume 1, General Characteristics* (PC80-1-B).)

Estimates of the population by race for April 1, 1980 (shown in tables 17 and 20) are based on counts and are not comparable to the 1980 census race categories. These estimates were derived using 1980 census data by race which had been modified to be consistent with the procedures used in the reporting of vital statistics by the U.S. National Center for Health Statistics. A detailed explanation of the race modification procedure appears in *Current Population Reports*, P-25, No. 917.

In the Current Population Survey (CPS) and other household sample surveys in which data are obtained through personal interview, respondents are asked to classify their race as 1) White, 2) Black, 3) American Indian, Aleut, or Eskimo, or 4) Asian or Pacific Islander. The procedures for classifying persons of mixed races who could not provide a single response to the race question are generally similar to those used in the 1980 census. For comments on comparability of CPS and census data, see section above on Current Population Survey.

**Hispanic population.**—In the 1980 census, the Bureau of the Census collected data on the Spanish origin population in the United States by using a self-identification question. Persons of Spanish/Hispanic origin or descent are those who classified themselves in one of the Spanish origin categories listed on the questionnaire—Mexican, Puerto Rican, Cuban, or Other Spanish/Hispanic origin. The 1980 figures on Spanish origin are not directly comparable with earlier census data on Spanish origin because of factors such as overall improvements in the census and improved question design. Also, it should be noted that Hispanic persons are not a race.



In the Current Population Survey (CPS), information on Hispanic persons was gathered by using a self-identification question. Persons classified themselves in one of the Hispanic categories in response to the question. "What is the origin or descent of each person in this household?" Hispanic persons in the CPS were persons who reported themselves as Mexican-American, Chicano, Mexican, Puerto Rican, Cuban, Central or South American, or other Hispanic origin.

**Nativity.**—The native population consists of all persons born in the U.S., Puerto Rico, or an outlying area of the U.S. It also includes persons born at sea or in a foreign country who have at least one American parent. All others are classified as "foreign born."

**Mobility status.**—The U.S. population is classified according to mobility status on the basis of a comparison between the place of residence of each individual at the time of the survey or census and the place of residence at a specified earlier date. Nonmovers are all persons who were living in the same house or apartment at the end of the period as at the beginning of the period. Movers are all persons who were living in a different house at the end of the period from that in which they were living at the beginning of the period. Movers from abroad include all persons, either citizens or aliens, whose place of residence was outside the U.S. at the beginning of the period: that is, in Puerto Rico, an outlying area under the jurisdiction of the U.S., or a foreign country.

**Living arrangements.**—Living arrangements may be in households or in group quarters. A "household" comprises all persons who occupy a "housing unit," that is, a house, an apartment or other group of rooms, or a single room that constitutes "separate living quarters." A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone or a group of unrelated persons sharing the same housing unit as partners is also counted as a household. See text, section 26, Construction and Housing, for definition of "housing unit."

All persons not living in households are classified as living in group quarters. These individuals may be institutionalized, e.g., under care or custody in juvenile facilities, jails, correctional centers, hospitals, or rest homes; or they may be residents in college dormitories, military barracks, rooming houses, etc. (see table 74).

**Householder.**—Beginning in 1980, the terms "householder" and "family householder" have been used in the presentation of data that had previously been presented with the designations "head of household" and "head of family". The householder is the first adult household member listed on the questionnaire. The instructions call for listing first the person (or one of the persons) in whose name the home is owned or rented. If a home is owned or rented jointly by a married couple, either the husband or the wife may be listed first. Prior to 1980, the husband was always considered the household head (householder) in married-couple households.

**Family.**—The term "family" refers to a group of two or more persons related by birth, marriage, or adoption and residing together in a household. A family includes among its members the householder.

**Subfamily.**—Subfamilies are divided into "related" and "unrelated" subfamilies. A related subfamily consists of a married couple and their children, if any, or one parent with one or more never married children under 18 years old living in a household and related to, but not including, the householder. Members of a related subfamily are also members of the family with whom they live. The number of related subfamilies, therefore, is not included in the number of families. An unrelated subfamily comprises two or more persons such as guests, lodgers, or resident employees who are related to each other but not to householder.

**Married couple.**—A "married couple" is defined as a husband and wife living together in the same household, with or without children and other relatives.

**Unrelated individuals.**—"Unrelated individuals" refers to persons (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be a nonfamily householder who lives alone or with nonrelatives only, or a secondary individual such as a guest, lodger, or resident employee who is not related to any other persons in the household. Persons in group quarters, except inmates of institutions, are classified as secondary individuals.

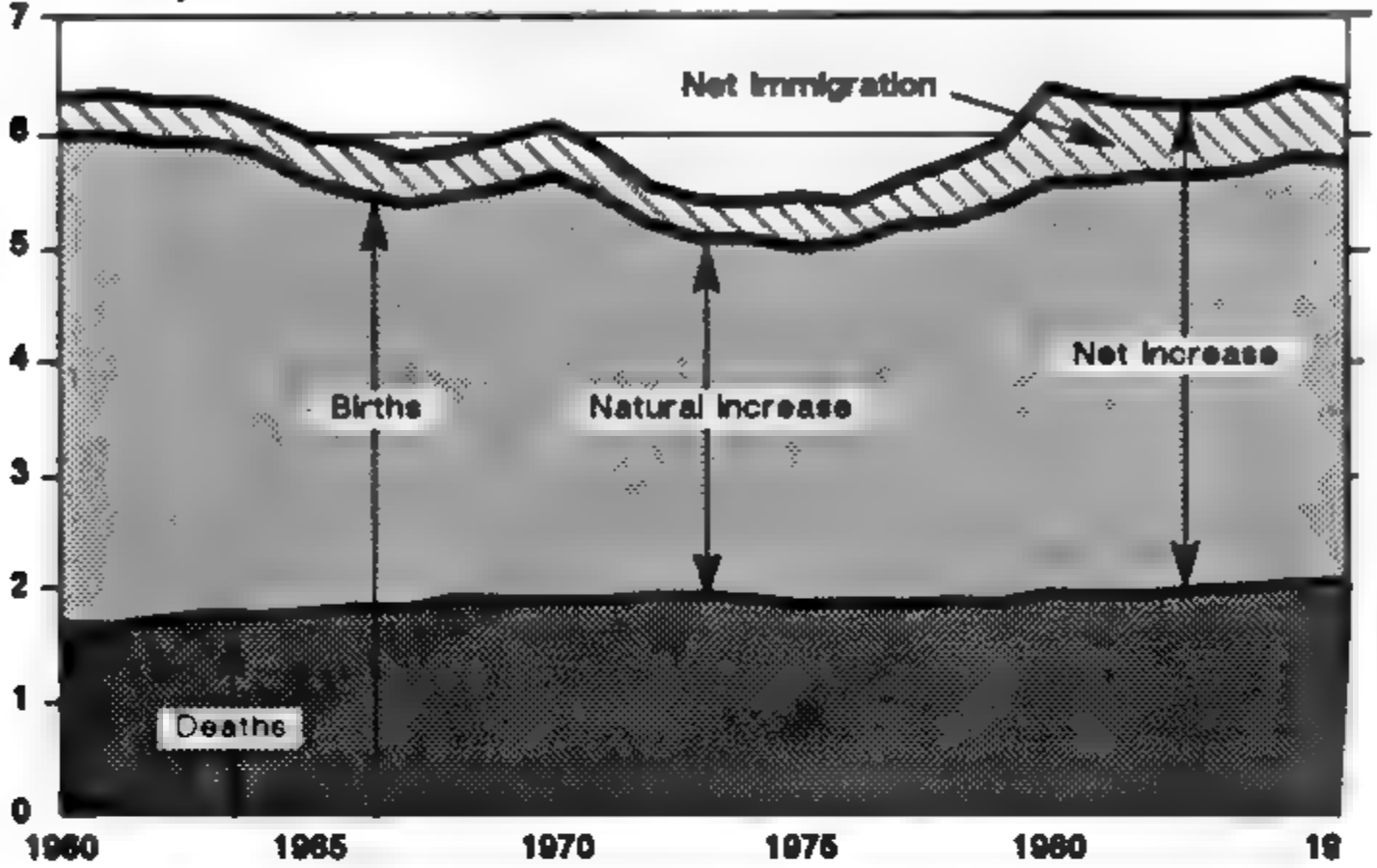
**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

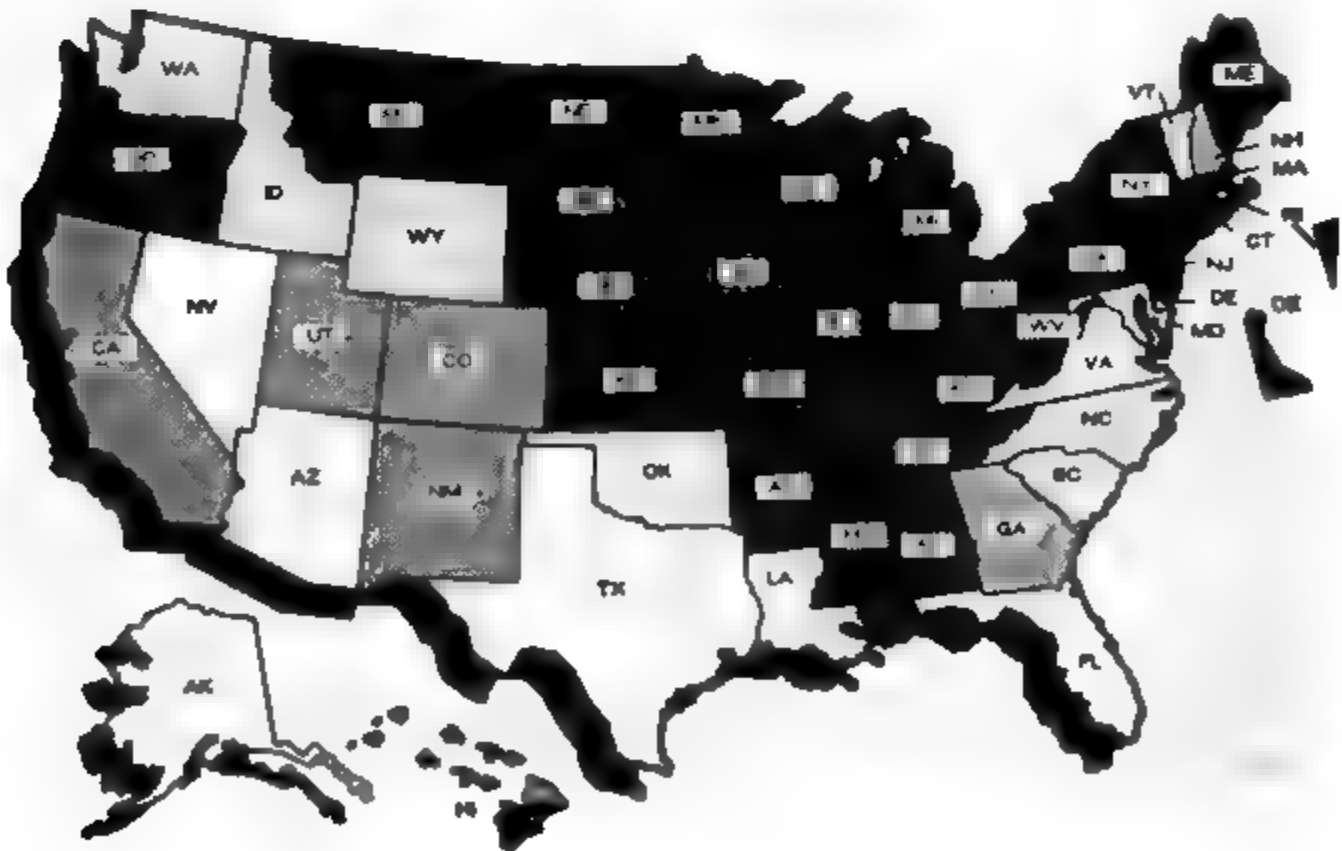
**Figure 1.1**  
**Components of Population Change: 1960 to 1988**

Millions of persons



Source: Chart prepared by U.S. Bureau of the Census. For data see table 6.

**Figure 1.2**  
**State Population-Percent Change: 1960 to 1988**



Percent: Under 5 5-10 10-15 over 15

Source: Chart prepared by U.S. Bureau of the Census. For data see table 25.

No. 1. POPULATION AND AREA: 1790 TO 1980

[Area figures represent area on indicated date including in some cases considerable areas not then organized or settled, and not covered by the census. Total area figures for 1790-1970 have been recalculated on the basis of the remeasurement of States and counties for the 1980 census. The land and water area figures for past censuses have not been adjusted and are not strictly comparable with the total area data for comparable dates because the land areas were derived from different base data, and these values are known to have changed with the construction of reservoirs, draining of lakes, etc. Density figures are based on land area measurements as reported in earlier censuses. For additional area data, see tables 3 and 319]

CENSUS DATE	RESIDENT POPULATION				AREA (square miles)		
	Number	Per square mile of land area	Increase over preceding census		Gross	Land	Water
			Number	Percent			
CONTIGUOUS U.S. <sup>1</sup>							
1790 (Aug. 2) .....	3,929,214	4.5	(x)	(x)	991,364	864,748	24,065
1800 (Aug. 4) .....	5,308,483	8.1	1,379,269	35.1	891,364	864,748	24,065
1810 (Aug. 6) .....	7,239,881	4.3	1,931,398	36.4	1,722,685	1,681,828	34,175
1820 (Aug. 7) .....	9,638,453	5.5	2,398,572	33.1	1,782,552	1,749,462	36,544
1820 (June 1) .....	12,866,020	7.4	3,227,567	33.5	1,782,552	1,749,462	36,544
1840 (June 1) .....	17,969,453	9.8	4,203,433	32.7	1,782,552	1,749,462	36,544
1860 (June 1) .....	23,191,876	7.9	6,122,423	35.9	2,991,655	2,940,042	52,705
1860 (June 1) .....	31,443,321	10.8	8,251,445	35.6	3,021,295	2,969,640	52,747
1870 (June 1) .....	<sup>a</sup> 30,818,449	<sup>a</sup> 13.4	8,375,128	28.6	3,021,295	2,969,640	52,747
1880 (June 1) .....	50,155,783	16.9	10,337,334	26.0	3,021,295	2,969,640	52,747
1890 (June 1) .....	62,947,714	21.2	12,791,931	25.5	3,021,295	2,969,640	52,747
1900 (June 1) .....	75,994,575	25.6	13,046,861	20.7	3,021,295	2,969,834	52,553
1910 (Apr. 15) .....	91,972,266	31.0	15,977,691	21.0	3,021,295	2,969,565	52,822
1920 (Jan. 1) .....	105,710,620	36.6	13,738,354	14.9	3,021,295	2,969,451	52,936
1930 (Apr. 1) .....	122,775,046	41.2	17,064,426	16.1	3,021,295	2,977,128	45,259
1940 (Apr. 1) .....	131,699,275	44.2	8,894,229	7.2	3,021,295	2,977,128	45,259
1950 (Apr. 1) .....	150,897,361	50.7	19,028,086	14.5	3,021,295	2,974,726	47,661
1960 (Apr. 1) .....	178,464,236	60.1	27,766,875	18.4	3,021,295	2,968,054	54,207
UNITED STATES							
1930 (Apr. 1) .....	151,325,796	42.6	19,161,229	14.5	3,618,770	3,552,206	63,005
1920 (Apr. 1) .....	179,323,175	50.6	27,997,377	18.5	3,618,770	3,640,911	74,212
1870 (Apr. 1) .....	<sup>a</sup> 203,302,031	<sup>a</sup> 57.4	23,978,856	13.4	3,618,770	<sup>a</sup> 3,540,023	<sup>a</sup> 78,444
1930 (Apr. 1) .....	226,545,805	64.0	23,243,774	11.4	3,618,770	3,539,269	79,481

X Not applicable. <sup>1</sup> Excludes Alaska and Hawaii. <sup>a</sup> Revised to include adjustments for underenumeration in southern States; unrevised number is 36,556,371 (13.0 per square mile). <sup>b</sup> Figures corrected after 1970 final reports were issued.  
Source: U.S. Bureau of the Census, *U.S. Census of Population: 1920 to 1980*, vol. I; and other reports and unpublished data. See also *Areas of the United States, 1940*, and *Area Measurement Reports, 1960*, series GE-20, No. 1.

No. 2. POPULATION: 1900 TO 1987

[In thousands, except percent. Estimates as of July 1. Prior to 1940, excludes Alaska and Hawaii. Total population includes Armed Forces abroad; civilian population excludes Armed Forces. For basis of estimates, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series A 6-8]

YEAR	Resi- dent popula- tion	YEAR	TOTAL		Resi- dent popula- tion	Civilian popula- tion	YEAR	TOTAL		Resi- dent popula- tion	Civilian popula- tion
			Popula- tion	Per- cent change				Popula- tion	Per- cent change		
1900	76,094	1950	152,271	1.7	151,868	150,790	1970	205,052	1.2	203,984	201,895
1905	83,822	1951	154,878	1.7	153,982	151,599	1971	207,681	1.3	206,827	204,895
1910	92,407	1952	157,553	1.7	156,393	153,892	1972	209,895	1.1	209,284	207,511
1915	100,546	1953	160,164	1.7	158,956	156,595	1973	211,909	1.0	211,357	209,600
1920	106,481	1954	163,026	1.8	161,884	159,695	1974	213,884	.9	213,342	211,636
1925	115,829	1956	165,931	1.8	165,069	162,967	1975	215,973	1.0	215,465	213,798
1930	123,077	1958	168,903	1.8	168,069	166,055	1976	218,035	1.0	217,563	215,894
1935	127,250	1957	171,954	1.8	171,187	169,110	1977	220,239	1.0	219,760	218,106
1940	132,457	1958	174,862	1.7	174,149	172,226	1978	222,585	1.1	222,095	220,467
1941	133,669	1958	177,830	1.7	177,135	175,277	1979	225,055	1.1	224,567	222,969
1942	134,617	1960	180,671	1.6	179,979	178,140	1980	227,757	1.2	227,255	225,651
1943	135,107	1961	183,691	1.7	182,992	181,143	1981	230,138	1.0	229,637	227,969
1944	133,915	1962	186,536	1.5	185,771	183,677	1982	232,520	1.0	231,996	230,327
1945	133,434	1963	189,242	1.4	188,483	186,493	1983	234,799	1.0	234,284	232,599
1946	140,666	1964	191,866	1.4	191,141	189,141	1984	237,001	1.0	236,477	234,762
1947	144,083	1965	194,303	1.3	193,526	191,605	1985	239,263	1.0	238,741	237,036
1948	146,730	1966	196,560	1.2	196,576	193,420	1986	241,596	1.0	241,078	239,357
1949	149,304	1967	199,712	1.1	197,457	195,284	1987	243,773	.9	243,249	241,519
		1969	200,706	1.0	199,399	197,113					
		1969	202,677	1.0	201,385	199,145					

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 802, 1006, and 1011.

## NO. 3. POPULATION AND AREA--UNITED STATES AND OUTLYING AREAS: 1960 TO 1980

[For area of individual States, see table 316. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series A 9-22 and J 1-2]

AREA	RESIDENT POPULATION				Gross area (land and water), 1980 (sq. mi.)
	1960 (April 1)	1970 (April 1)	1980 (April 1)	Percent change, 1970-80	
Total	193,266,609	203,006,567	221,106,727	11.1	3,822,461
United States	179,325,175	203,302,031	226,546,605	11.4	3,616,770
Puerto Rico <sup>1</sup>	2,349,544	2,712,033	3,196,520	17.9	3,515
Outlying areas	<sup>2</sup> 237,890	<sup>2</sup> 314,857	368,556	17.2	1,176
Territories <sup>3</sup>	<sup>4</sup> 123,151	<sup>4</sup> 179,519	235,927	31.4	459
Guam	87,044	94,986	105,979	24.7	209
Virgin Islands	32,099	62,496	96,560	54.6	132
American Samoa	20,051	27,159	32,297	18.9	77
Pacific Islands, Trust Territory of the <sup>5</sup>	<sup>6</sup> 82,434	81,300	<sup>7</sup> 118,149	42.9	<sup>8</sup> 533
Northern Mariana Islands <sup>9</sup>	<sup>10</sup> 6,290	9,840	18,790	74.1	184
U.S. population abroad <sup>11</sup>	1,374,421	1,737,636	995,546	(x)	(x)
Federal employees	647,730	1,114,224	562,982	-49.5	(x)
Armed Forces	608,720	<sup>12</sup> 1,057,778	<sup>13</sup> 515,408	-51.3	(x)
Civilians	39,010	56,449	<sup>14</sup> 47,554	-15.8	(x)
Dependents of Federal employees	506,363	371,366	<sup>15</sup> 432,584	16.5	(x)
Crews of merchant vessels	32,464	15,910	(NA)	(x)	(x)
Other citizens	<sup>16</sup> 187,634	<sup>17</sup> 236,336	(NA)	(x)	(x)

NA Not available. X Not applicable. <sup>1</sup> Puerto Rico was ceded to the United States by Spain in 1898. On July 25, 1952, pursuant to acts of Congress, it achieved the political status of the Commonwealth of Puerto Rico. <sup>2</sup> Includes population of Canal Zone (1960, 42,122; 1970, 44,196) and, for 1960 only, Com Islands (1,872), not shown separately. Treaty of 1978 with Republic of Panama ended U.S. jurisdiction over Canal Zone on Oct. 1, 1979. Lease of Com Islands from Republic of Nicaragua was terminated in 1971. <sup>3</sup> Includes Midway, Wake, Canton and Enderbury Islands, and Johnston Atoll, not shown separately. See section 30. Jurisdiction over Canton and Enderbury Islands was relinquished to Kiribati in 1979, pending approval by the U.S. Senate, but the islands were included in the 1980 census. Area data also include uninhabited areas of Navassa, Baker, Howland, Jarvis, and Palmyra. <sup>4</sup> Includes population of Swan Islands (1860, 28; 1970, 22), not shown separately. Pursuant to treaty of 1972, jurisdiction of the Swan Islands was transferred to Honduras. <sup>5</sup> Administered by United States since July 16, 1947, under United Nations Trusteeship system. Northern Mariana Islands is legally part of Pacific Islands, Trust Territory of the but both are recognized as separate entities for census purposes. <sup>6</sup> Census of 1958 conducted by the Office of the High Commissioner, Pacific Islands, Trust Territory of the. <sup>7</sup> Census conducted on September 15, 1980. <sup>8</sup> Comprises land and sea only. <sup>9</sup> Excludes U.S. citizens temporarily abroad on private business, travel, etc. Such persons were enumerated at their usual place of residence in the United States as absent members of their own households. <sup>10</sup> Based partially on tabulations provided by U.S. Department of Defense. <sup>11</sup> Based on data supplied by U.S. Office of Personnel Management. <sup>12</sup> Represents U. citizens abroad for extended periods. Since this population was enumerated on a voluntary basis, its coverage is probably less complete than that of other categories of Americans abroad.

Sources: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, and *1980 Census of Population*, vol. 1, chapter A (PC80-1-A).

## NO. 4. U.S. POPULATION ABROAD, BY SELECTED COUNTRY: 1987

[In thousands. As of May 1. Data compiled as part of noncombatant personnel evacuation requirements report]

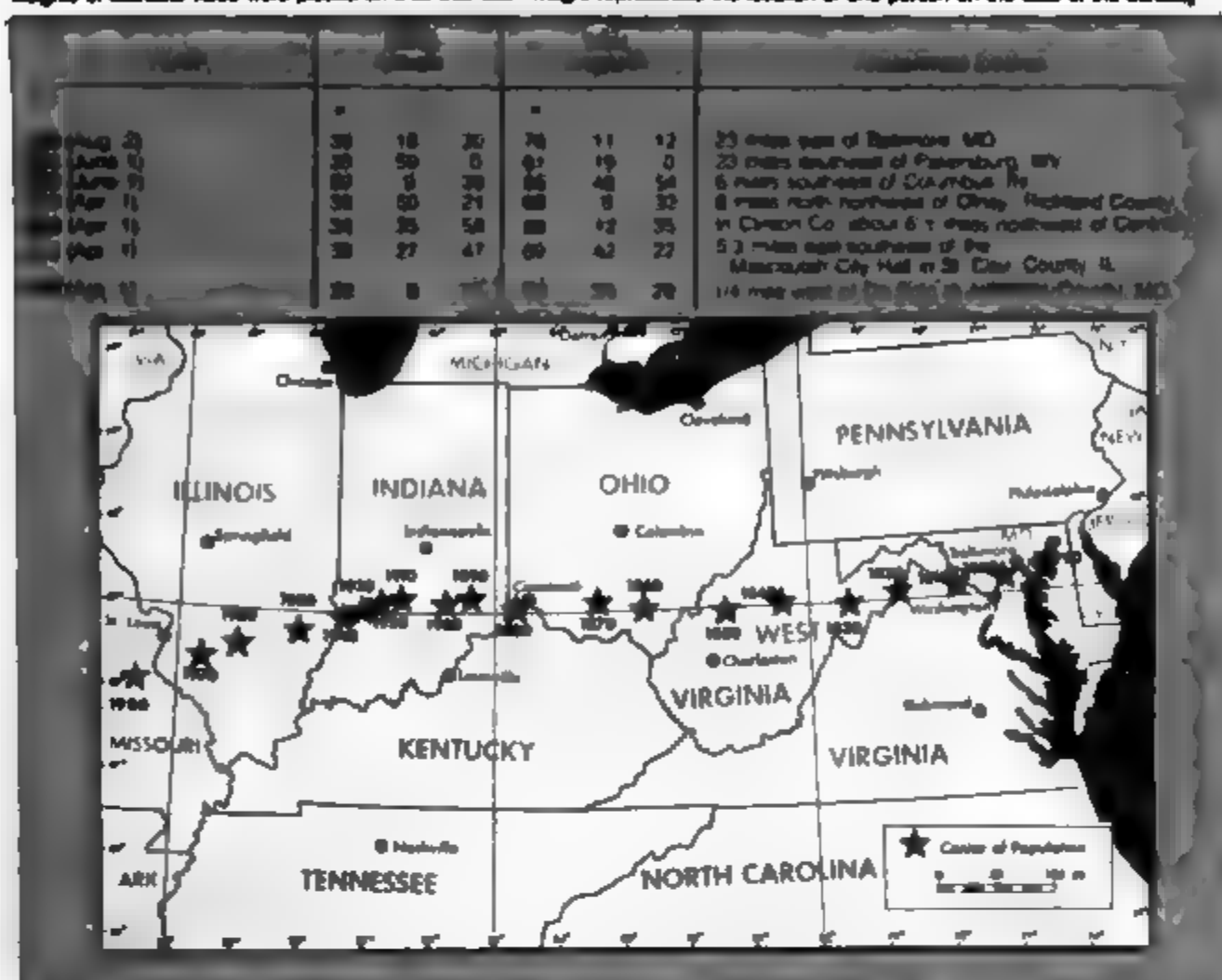
COUNTRY	Total <sup>1</sup>	Resident U.S. citizen	U.S. tourists	COUNTRY	Total <sup>1</sup>	Resident U.S. citizen	U.S. tourists
Total <sup>2</sup>	4,462.3	1,391.3	772.9	Japan	104.1	40.8	
Australia	87.8	87.8	15.4	Jerusalem	43.7	30.4	
Bahamas, The	18.5	5.1	5.1	Mexico	494.1	294.1	1
Belgium	22.5	14.7	2.7	Netherlands	26.1	17.3	
Brazil	76.6	41.5	11.2	Norway	25.6	13.4	
Canada	433.9	314.8	112.8	Panama	37.1	8.9	
China, Taiwan	87.1	8.1	.8	Philippines	212.2	39.6	
Colombia	30.2	18.8	1.9	Portugal	35.6	13.4	
Costa Rica	29.3	15.9	3.5	Saudi Arabia	112.5	23.6	
Dominican Republic	95.0	60.8	10.8	South Africa	28.3	10.6	
Ecuador	18.7	12.5	1.2	South Korea	124.5	10.0	
Egypt	18.6	11.1	.2	Spain	114.1	55.7	
France	136.1	40.2	82.2	Switzerland	34.0	21.0	
Greece	74.5	54.1	14.1	Trinidad and Tobago	20.7	2.6	
Hong Kong	120.2	14.3	5.7	United Arab Emirates	37.5	4.8	
Ireland	39.7	29.8	3.6	United Kingdom	247.2	136.6	
Israel	139.1	75.8	60.0	Venezuela	42.7	19.8	
Italy	195.2	86.9	41.4	West Germany	547.3	136.7	
Jamaica	21.3	4.8	10.4				

<sup>1</sup> Includes Dept. of Defense noncombatant employees, other U.S. government employees, dependents of U.S. military and employees, and third country and host nationals and relatives, not shown separately. <sup>2</sup> Includes other countries not shown separately.

Source: U.S. Dept. of State, unpublished data.

## No. 5. Center of Population: 1790 to 1990

["Center of population" is that point at which an imaginary flat, weightless, and rigid map of the United States would balance if weights of identical value were placed on it so that each weight represented the location of one person on the date of the census]



For dates of admissions of the States and changes in areal definition, see "State Origins and Boundaries," United States Summary, U.S. Census of Population: 1990, vol. 1. For year of admission to statehood, see table 319.

Source: U.S. Bureau of the Census, 1990 Census of Population, Vol. 1.

## No. 6. ESTIMATED COMPONENTS OF POPULATION CHANGE: 1950 TO 1996

(For explanation of annual average percent change, see Guide to Tabular Presentation)

YEAR OR PERIOD	TOTAL (Jan. 1-Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Population at start of period (1,000)	Net increase <sup>1</sup>		Natural increase		Net civilian immigration (1,000)	Net growth rate <sup>1</sup>	Natural increase			Net civilian immigration rate
		Total (1,000)	Per cent <sup>2</sup>	Births <sup>3</sup> (1,000)	Deaths <sup>4</sup> (1,000)			Total	Birth rate <sup>3</sup>	Death rate <sup>4</sup>	
1950	151,135	2,486	1.7	3,645	1,468	299	16.3	14.3	23.9	9.6	2.0
1955	164,588	2,925	1.8	4,128	1,537	337	17.6	15.6	24.9	9.3	2.0
1960	179,386	2,901	1.6	4,307	1,708	327	16.1	14.4	23.8	9.5	1.8
1965	193,223	2,315	1.2	3,801	1,830	373	11.9	10.1	19.6	8.4	1.9
1970	203,849	2,617	1.3	3,739	1,827	438	12.8	8.8	18.2	8.4	2.1
1975	214,931	2,185	1.0	3,144	1,894	449	10.0	5.8	14.6	8.8	2.1
1979	221,477	2,368	1.1	3,333	1,828	508	10.7	6.3	15.0	8.7	2.3
1979	223,886	2,586	1.2	3,494	1,914	540	11.6	7.0	15.5	8.5	2.4
1980	226,451	2,582	1.1	3,612	1,960	645	11.3	7.1	15.9	8.7	2.7
1981	229,033	2,371	1.0	3,629	1,979	718	10.3	7.2	15.6	8.6	2.1
1982	231,405	2,332	1.0	3,681	1,975	626	10.0	7.3	15.8	8.5	2.7
1983	233,736	2,224	1.0	3,639	2,020	605	9.5	6.9	15.5	8.6	2.6
1984	235,961	2,246	1.0	3,669	2,040	615	9.5	6.9	15.6	8.6	2.6
1985	238,207	2,316	1.0	3,750	2,083	648	9.7	7.0	15.7	8.7	2.7
1986	240,523	2,219	.9	3,687	2,083	625	9.2	6.8	15.3	8.7	2.6
ANNUAL AVERAGES											
1950-1954	151,135	2,690	1.7	3,902	1,500	286	17.1	15.2	24.8	9.5	1.8
1955-1959	164,588	2,860	1.7	4,256	1,614	316	17.2	15.4	24.8	9.4	1.9
1960-1964	179,386	2,787	1.5	4,210	1,757	348	14.9	13.2	22.6	9.4	1.9
1965-1969	193,223	2,125	1.1	3,628	1,868	419	10.7	8.7	18.3	8.5	2.1
1970-1974	203,849	2,216	1.1	3,370	1,946	369	10.6	6.9	16.1	8.3	1.7
1975-1979	214,931	2,304	1.0	3,298	1,999	449	10.4	6.3	14.9	8.7	2.0
1980-1984	226,451	2,354	1.0	3,648	2,001	682	10.1	7.1	15.7	8.6	2.9
1985-1989	238,207	2,266	.9	3,719	2,088	636	9.4	6.8	15.5	8.7	2.6

<sup>1</sup> Includes overseas admissions into, less discharges from, Armed Forces and includes for 1950-1980 "net of deaths" (the amount necessary to make the components of change add to the net change between censuses, for which figures are not shown separately). <sup>2</sup> Percent of population at beginning of period. <sup>3</sup> Adjusted for underregistration prior to April 1, 1970.

<sup>4</sup> Prior to April 1, 1980, adjusted for underregistration of infant deaths.

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, Nov. 1982, 100% and unpublished data.

## NO. 7. IMMIGRATION: 1820 TO 1986

(In thousands, except rate. For fiscal years ending in year shown, except as noted; see text, section 9. For definition of immigrants, see text, section 1. For 1820-1887, alien passengers arriving; 1888-1981 and 1985-1987, immigrants arriving; 1982-1984 and 1986 to the present, immigrants admitted. Rates based on Bureau of the Census estimates as of July 1 for resident population through 1929, and for total population thereafter (excluding Alaska and Hawaii prior to 1959). See also *Historical Statistics, Colonial Times to 1970*, series C 86]

PERIOD	TOTAL		PERIOD OR YEAR	TOTAL		YEAR	TOTAL	
	Number	Rate <sup>1</sup>		Number	Rate <sup>1</sup>		Number	Rate <sup>1</sup>
1820-1886	53,122	2.4	1820-1886	53,122	2.4	1820-1886	53,122	2.4
1820-1830 <sup>a</sup>	182	1.2	1831-1840	528	.4	1872	366	1.8
1831-1840 <sup>b</sup>	599	3.9	1841-1850	1,036	.7	1873	400	1.8
1841-1850 <sup>c</sup>	1,713	8.4	1851-1860	2,516	1.5	1874	386	1.8
1851-1860 <sup>c</sup>	2,508	9.3	1861-1870	3,322	1.7	1875	386	1.8
1861-1870 <sup>d</sup>	2,315	6.4	1871-1880 <sup>e</sup>	4,493	2.1	1876	399	1.9
1871-1880	2,812	6.2	1881-1890	3,468	2.4	1877	462	2.1
1881-1890	5,247	9.2	1891-1900	297	1.5	1878	601	2.8
1891-1900	3,888	5.3	1901-1910	323	1.8	1879	480	2.1
1901-1910	8,796	10.4	1911-1920	362	1.8	1880	531	2.3
1911-1920	6,736	5.7	1921-1930	454	2.3	1881	587	2.6
1921-1930	4,107	3.5	1931-1940	369	1.8	1882	594	2.8
			1941-1950	373	1.8	1883	680	2.4
			1951-1960	370	1.8	1884	644	2.3
						1885	670	2.4
						1886	602	2.1

<sup>1</sup> Annual rate per 1,000 U.S. population. Rate computed by dividing sum of annual immigration totals by sum of annual U.S. population totals for same number of years. <sup>a</sup> Oct. 1, 1819-Sept. 30, 1830. <sup>b</sup> Oct. 1, 1830-Dec. 31, 1840.

<sup>c</sup> Calendar years. <sup>d</sup> Jan. 1, 1881-June 30, 1870. <sup>e</sup> Includes transition quarter, July 1 to Sept. 30, 1875.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

## NO. 8. IMMIGRANTS, BY COUNTRY OF BIRTH: 1961 TO 1986

(In thousands. For fiscal years ending in year shown; see text, section 9. For definition of immigrants, see text, section 1)

COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1981-1986, total	1986	COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1981-1986, total	1986
All countries	3,321.7	4,493.3	2,964.4	901.7	Asia—Con.				
Europe <sup>1</sup>	1,298.6	881.3	321.8	82.6	Jordan	14.0	29.6	11.1	
Austria	13.7	4.7	1.9	.5	Korea	35.8	272.0	198.0	
Belgium	6.5	4.0	2.8	.6	Laos	.1	22.6	87.4	
Czechoslovakia	21.4	10.2	5.1	1.1	Lebanon	7.5	39.9	17.0	
Denmark	11.8	4.5	2.5	.6	Pakistan	4.9	31.2	25.8	
Finland	5.8	3.4	1.6	.9	Philippines	101.5	380.2	221.2	
France	34.3	17.8	10.1	2.5	Thailand	5.0	44.1	28.3	
Germany	200.0	88.0	34.5	7.1	Turkey	8.8	18.6	11.4	
Greece	90.2	83.7	16.3	2.5	Vietnam	4.6	179.7	11.1	
Hungary	17.3	11.8	3.7	1.0	North America <sup>1</sup>	1,351.1	1,645.6	686.7	
Ireland	42.4	14.1	5.8	1.8	Canada	288.7	114.8	55.8	
Italy	130.1	17.8	3.1		Mexico	443.3	637.2	336.2	
Netherlands	27.8	10.7	5.6	1.3	Caribbean <sup>1</sup>	519.5	759.8	371.8	
Norway	16.4	4.0	1.9	.4	Barbados	9.4	20.9	9.4	
Poland	73.3	43.6	35.3	8.5	Cuba	256.8	276.8	58.9	
Portugal	79.3	104.5	21.4	3.8	Dominican Republic	84.1	148.0	104.6	
Romania	14.9	17.5	16.8	5.2	Haiti	37.5	68.7	43.9	
Soviet Union <sup>2</sup>	15.7	43.2	39.5	2.6	Jamaica	71.0	142.0	100.5	
Spain	30.5	30.0	7.8	1.8	Trinidad and Tobago	24.8	61.8	17.0	
Sweden	16.7	8.3	4.7	1.1	Central America <sup>1</sup>	97.7	132.4	123.1	
Switzerland	16.3	6.8	3.2	.7	El Salvador	15.0	34.4	42.9	
United Kingdom	230.5	123.5	71.7	13.7	Guatemala	11.1	25.8	19.9	
Yugoslavia	46.2	42.1	8.1	2.0	Nicaragua	10.1	13.0	14.3	
Asia <sup>1</sup>	445.3	1,533.8	1,378.9	398.2	Panama	18.4	22.7	15.4	
Cambodia	1.2	8.4	70.1	13.5	South America <sup>1</sup>	238.3	364.4	184.9	
China: Mainland	98.7	202.5	180.9	25.1	Argentina	42.1	25.1	10.2	
Taiwan				13.4	Brazil	20.5	19.7	8.7	
Hong Kong	25.6	47.5	25.7	5.0	Colombia	70.3	77.6	51.6	
India	31.2	176.8	119.7	28.2	Ecuador	37.0	50.2	22.2	
Iran	10.4	46.2	62.5	18.5	Guyana	7.1	47.5	42.7	
Iraq	8.4	23.4	12.9	1.3	Peru	16.8	28.1	21.8	
Israel	12.9	25.6	18.3	3.8	Africa	38.3	91.6	77.9	
Japan	36.5	47.9	20.0	4.0	Egypt	17.2	25.5	14.2	
					Australia	9.9	14.3	6.8	
					New Zealand	3.7	6.9	3.2	
					Other countries	5.6	17.7	9.8	

<sup>1</sup> Includes countries not shown separately. <sup>2</sup> Europe and Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.



## NO. 9. IMMIGRANTS ADMITTED, BY CLASS OF ADMISSION: 1970 TO 1986

(For fiscal year ending in year shown; see text, section 9. For definition of immigrants, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series C 143-157)

CLASS OF ADMISSION	1970	1975	1980	1983	1984	1985	1986
Immigrants, total	373,328	386,194	530,438	569,763	643,888	579,008	601,708
Subject to limitations <sup>1</sup>	287,263	281,561	289,479	269,213	262,016	284,208	266,088
Relative preferences	92,432	95,945	216,866	213,488	212,324	213,257	212,939
Unmarried sons and daughters of U.S. citizens and their children (1st preference)	1,089	871	5,888	6,882	7,589	9,319	10,910
Spouses, unmarried sons and daughters of resident aliens, and their children (2d preference)	30,714	43,077	110,269	116,823	112,309	114,997	110,826
Married sons and daughters of U.S. citizens (4th preference) <sup>2</sup>	6,960	3,829	10,752	20,848	14,681	16,460	20,702
Brothers and sisters of U.S. citizens (5th preference) <sup>2</sup>	52,279	48,374	90,167	69,025	77,765	70,481	70,401
Occupational preferences	24,016	28,334	44,399	55,488	49,521	50,895	53,625
Immigrants in professions (3d preference)	10,142	8,363	8,236	12,336	10,691	10,947	11,783
Other workers (8th preference)	6,766	6,724	12,599	12,708	11,383	11,425	11,289
Their spouses and children	15,086	14,247	23,532	30,422	27,437	26,525	30,463
Conditional entrants <sup>3</sup>	8,893	6,129	12,222	(X)	(X)	(X)	(X)
Nonpreference (incl. private bill cases) <sup>4</sup>	36,057	25,961	-	-	-	7	-
Natives of Western Hemisphere, their spouses and children <sup>5</sup>	102,529	96,547	15,913	49	(X)	(X)	(X)
Cuban Refugee Act (Act of Nov. 1966) <sup>6</sup>	12,208	34,554	(X)	(X)	(X)	(X)	(X)
Other <sup>7</sup>	178	91	119	206	171	49	404
Exempt from numerical limitations	86,043	104,633	241,180	290,550	281,867	306,801	334,740
Immediate relatives	79,213	91,504	151,131	172,008	177,783	198,143	216,821
Wives of U.S. citizens	36,276	33,719	90,867	107,349	111,853	124,083	131,546
Husbands of U.S. citizens	15,619	21,801	26,582	29,080	31,559	35,084	40,044
Children of U.S. citizens	18,085	22,316	26,582	29,080	31,559	35,084	40,044
Orphans	(NA)	5,633	5,139	7,127	8,327	9,286	9,945
Parents of U.S. citizens	9,223	13,589	23,682	34,887	34,571	38,886	46,232
Refugees	144	879	75,836	102,885	92,127	96,040	104,363
Cuban Refugee Act, Nov. 1966 <sup>8</sup>	124	879	6,021	3,274	3,480	14,289	30,152
Indochinese Refugee Act, Oct. 1977	(X)	(X)	22,497	3,122	875	168	136
Refugee-Parolee Act, Oct. 1978	(X)	(X)	48,058	13,409	7,657	3,766	1,720
Asylees, Refugee Act of 1980	(X)	(X)	1,260	2,914	5,807	5,000	5,000
Refugees, Refugee Act of 1980	(X)	(X)	(X)	79,985	74,528	71,820	67,375
Other refugees	20	9	9	1	-	-	-
Special immigrants	1,844	2,854	3,142	3,175	2,338	2,551	2,692
Ministers of religion <sup>9</sup>	1,497	1,231	1,529	1,734	1,540	1,853	2,080
Employees of U.S. Government abroad <sup>9</sup>	290	1,622	1,364	529	636	479	773
Foreign medical graduates, ISNA Amendments of 1961 <sup>9</sup>	(X)	(X)	(X)	790	174	67	49
Other special immigrants	57	1	259	122	89	132	111
Children born abroad to resident aliens or subsequent to issuance of visa	3,012	3,636	4,066	3,501	3,768	3,508	3,554
Aliens adjusted <sup>9</sup>	1,543	591	254	144	132	105	95
Spouses of U.S. citizens and their children, Act of April 1970	9	5,057	6,812	5,786	5,484	6,225	6,847
Investors, ISNA Amendments of 1961 <sup>9</sup>	(X)	(X)	(X)	818	129	52	40
Virgin Islands Nonimmigrants, Act of Sept. 1962 <sup>9</sup>	(X)	(X)	(X)	2,517	15	(X)	(X)
Others not subject to numerical limitation	278	112	127	120	141	177	209

- Represents zero. NA, Not available. X, Not applicable.

<sup>1</sup> From 1970 to December 1978, preference classifications were applied only to Eastern Hemisphere immigrants; see text, section 1. <sup>2</sup> Includes spouses and children. <sup>3</sup> Prior to 1961, conditional entrants were a 7th preference class. <sup>4</sup> Through 1975, includes private bill cases. No nonpreference visas issued since 1978. 1986 data represent prior contested cases.<sup>5</sup> No visas issued after 1982. <sup>6</sup> See text, section 1. As of Jan. 1977, Act of Nov. 1966 not subject to numerical limitations.<sup>7</sup> Beginning 1980, includes private bill cases. <sup>8</sup> Under sections 244 and 249, Immigration and Naturalization Act.Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

## NO. 10. ESTIMATED REFUGEE ARRIVALS BY SELECTED COUNTRY OF CITIZENSHIP: 1982 TO 1986

(For fiscal years ending in year shown; see text, section 9)

COUNTRY OF CITIZENSHIP	1982	1983	1984	1985	1986	COUNTRY OF CITIZENSHIP	1982	1983	1984	1985	1986
Total	97,389	66,798	76,886	67,389	62,386	Hungary	450	860	660	600	660
Afghanistan	4,250	2,900	2,000	2,200	2,400	Iran	-	900	2,600	3,450	3,200
Angola	100	-	100	50	-	Iraq	2,000	1,800	150	250	300
Bulgaria	100	150	150	150	150	Laos	8,600	2,980	7,200	5,250	12,800
Cambodia	20,850	13,200	19,880	19,250	10,050	Poland	8,500	5,550	3,950	2,850	3,600
Cuba	500	680	80	150	150	Romania	2,900	3,750	4,250	4,500	2,000
Czechoslovakia	700	1,250	800	980	1,400	Soviet Union	2,750	1,400	750	660	600
Ethiopia	3,150	2,550	2,500	1,750	1,250	Vietnam	41,700	23,060	24,980	25,400	22,460
						Other <sup>1</sup>	1,750	150	500	450	360

- Represents zero. <sup>1</sup> Includes those from countries other than those listed, those whose country of citizenship is unknown, and those with no country of citizenship.

Source: U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, unpublished data.



No. 11. IMMIGRANTS ADMITTED AS PERMANENT RESIDENTS UNDER REFUGEE ACTS, BY COUNTRY OF BIRTH: 1961 TO 1986

[For fiscal years ending in year shown; see text, section 9. Covers immigrants who were allowed to enter U.S. under 1953 Refugee Relief Act and later acts; Hungarian parolees under July 1958 Act; refugee-escapee parolees under July 1960 Act; conditional entries by refugees under Oct. 1965 Act; Cuban parolees under Nov. 1966 Act; beginning 1978, Indochina refugees under Act of Oct. 1977; beginning 1980, refugee-parolees under the Act of Oct. 1978, and asylees under the Act of March 1980; and beginning 1981, refugees under the Act of March 1980]

COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1981-1986, total	1986	COUNTRY OF BIRTH	1961-1970, total	1971-1980, total	1981-1986, total	1986
Total.....	212,843	539,447	554,028	104,383	Asia <sup>1</sup> .....	19,895	210,883	436,183	88,13
Europe <sup>1</sup> .....	55,235	71,858	71,083	11,858	Cambodia.....	-	7,739	68,936	13,
Austria.....	233	185	182	53	China: Mainland.....	5,308	13,760	5,317	{
Bulgaria.....	1,799	1,238	513	134	Taiwan.....				
Czechoslovakia.....	5,709	3,646	3,601	841	Indonesia.....	7,658	222	913	
Germany.....	665	143	287	104	Japan.....	554	58	91	
Greece.....	586	478	600	27	Korea.....	1,316	65	99	
Hungary.....	4,044	4,358	1,616	543	Laos.....	-	21,690	96,643	7,
Italy.....	1,196	346	177	24	Vietnam.....	7	150,266	216,079	23,
					Other Asia.....	5,052	16,665	48,105	13,
Netherlands.....	3,134	8	7	-	North America.....	132,068	252,633	34,515	31,
Poland.....	3,197	5,882	14,596	3,949	Cuba.....	131,557	251,514	32,456	30,
Portugal.....	1,361	21	18	-	Other N. America.....	511	1,119	2,057	
Romania.....	7,158	6,612	12,979	4,308	South America.....	123	1,244	927	
Soviet Union.....	671	31,309	35,318	1,654	Africa.....	5,486	2,991	11,351	2,
Spain.....	4,114	5,317	378	114	Other.....	38	38	37	
Yugoslavia.....	18,299	11,297	186	32					
Other Europe.....	2,867	616	425	85					

- Represents zero. <sup>1</sup> Through 1970, Turkey included in Europe; thereafter, included in Asia.  
Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

No. 12. REFUGEE ARRIVALS BY SELECTED AREA OF CITIZENSHIP AND STATE: 1980 TO 1986

[For fiscal years ending in years shown; see text, section 9]

STATE	SOUTHEAST ASIA <sup>1</sup>			East Europe <sup>2</sup> / Soviet Union, 1983	Other, <sup>3</sup> 1986	STATE	SOUTHEAST ASIA <sup>1</sup>			East Europe <sup>2</sup> / Soviet Union, 1986	Other <sup>4</sup>
	1980	1983	1986				1983	1983	1986		
U.S.....	<sup>4</sup> 160,727	<sup>4</sup> 48,863	<sup>4</sup> 45,391	9,077	7,204	MO.....	1,713	629	713	189	
AL.....	853	206	267	14	4	MT.....	540	31	33	3	
AK.....	111	24	39	14	12	NE.....	741	74	128	41	
AZ.....	1,254	871	657	150	133	NV.....	719	183	131	27	
AR.....	1,112	114	137	18	2	NH.....	130	143	46	15	
CA.....	48,540	16,107	15,166	1,611	3,066	NJ.....	1,613	507	436	399	
CO.....	2,792	539	515	74	126	NM.....	1,274	271	128	9	
CT.....	1,770	606	521	237	36	NY.....	5,938	2,165	1,946	1,602	
DE.....	72	7	30	3	6	NC.....	1,734	540	473	71	
DC.....	3,191	200	107	84	125	ND.....	331	92	51	62	
FL.....	2,926	1,104	883	217	121	OH.....	2,465	778	504	156	
GA.....	2,427	1,043	823	85	120	OK.....	2,204	506	393	21	
HI.....	2,385	302	251	10	-	OR.....	6,213	767	713	107	
ID.....	335	211	201	117	5	PA.....	6,689	1,744	1,399	370	
IL.....	7,012	1,776	1,548	847	239	RI.....	1,132	492	371	57	
IN.....	1,585	242	191	67	36	SC.....	573	61	71	3	
IA.....	2,837	563	751	35	6	SD.....	389	38	40	53	
KS.....	1,924	803	517	7	14	TN.....	2,032	591	611	77	
KY.....	790	354	387	3	18	TX.....	12,251	4,219	3,493	376	
LA.....	2,116	725	599	5	16	UT.....	3,586	815	620	79	
ME.....	278	214	150	83	36	VT.....	151	39	25	94	
MD.....	1,257	548	502	170	317	VA.....	3,153	1,211	1,177	39	
MA.....	3,748	2,520	1,941	293	87	WA.....	7,972	2,443	2,100	265	
MI.....	3,142	362	491	495	142	WV.....	213	22	13	6	
MN.....	7,425	1,480	1,938	69	82	WI.....	2,492	420	737	41	
MS.....	436	128	137	4	1	WY.....	113	6	9	3	

- Represents zero. <sup>1</sup> Vietnam, Laos, and Cambodia. <sup>2</sup> Czechoslovakia, Hungary, Poland, and Romania.  
<sup>3</sup> Afghanistan, Iran, Iraq, and Ethiopia. <sup>4</sup> Includes those in Guam and whose destination is unknown.

Source: U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, *Report to the Congress*, annual.

NO. 12. TOTAL POPULATION, BY AGE AND SEX: 1950 TO 1960

(In thousands, except as indicated. As of July 1. Includes Armed Forces abroad. For derivation of estimates, see last, section 1. For definition of median, see Guide to Tabular Presentation. See also *Statistical Abstract of the United States: Current Times to 1970*, series A22-25 and A26-41.)

YEAR AND SEX	Total, all ages	Under 5 years	5-13 years	14-17 years	18-21 years	22-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-74 years	75 years and over	15 years and over	31 years and over	65 years and over	Median age (yr.)
<b>Total</b>																		
1950	160,871	20,541	52,846	11,316	6,646	6,678	10,999	11,909	12,842	11,979	20,679	16,809	11,042	9,429	121,846	108,446	14,816	69.4
1955	206,049	17,189	58,619	16,894	14,716	6,969	13,736	14,161	11,182	11,969	23,316	16,869	10,496	7,614	143,070	134,197	20,107	67.9
1960	213,973	18,121	53,016	17,196	16,674	11,331	17,960	14,161	11,824	11,197	23,787	20,046	12,917	8,778	167,049	156,129	32,966	69.7
1961	227,787	18,456	51,096	18,142	17,831	12,816	19,804	17,829	14,194	11,744	29,784	21,789	18,683	10,061	172,496	160,876	28,704	69.3
1962	230,138	18,831	50,754	18,090	17,437	12,896	20,308	18,623	14,428	12,037	29,814	21,866	18,614	10,523	176,017	162,763	26,256	69.3
1963	233,680	17,996	50,814	18,041	17,294	12,896	20,866	18,976	16,648	12,469	29,486	22,114	18,167	10,900	177,849	165,867	26,887	69.3
1964	234,799	17,690	50,410	17,900	17,064	13,007	19,291	18,291	16,914	13,184	29,440	22,823	16,494	10,904	178,480	166,444	27,458	69.3
1965	237,071	17,827	50,828	17,904	16,369	13,037	19,860	18,766	16,864	13,628	29,601	23,316	16,796	11,304	181,916	167,104	27,912	69.3
1966	238,652	18,017	50,110	17,866	16,612	13,036	21,061	20,946	17,769	14,077	29,696	23,024	17,020	11,866	186,876	164,661	28,866	69.3
1967	241,666	18,196	50,246	17,907	16,957	13,221	22,136	20,848	18,778	14,967	29,823	23,320	17,396	11,847	188,787	167,027	29,172	69.3
<b>Male</b>																		
1950	86,380	10,329	26,789	5,883	4,810	2,994	5,473	5,804	6,140	6,729	10,142	7,689	5,123	3,409	68,419	62,998	7,842	69.8
1955	100,364	6,781	28,887	8,108	7,444	3,007	6,971	6,716	5,476	6,447	11,963	8,923	6,491	2,953	89,787	84,808	8,412	69.6
1960	110,886	6,411	28,866	8,247	8,278	3,449	8,987	8,946	6,994	6,766	10,966	10,180	6,791	3,176	96,984	91,947	10,966	69.6
1965	117,620	6,274	28,641	7,876	7,998	3,411	11,136	10,439	6,796	7,061	11,086	10,466	7,846	4,176	98,257	94,406	11,956	69.6
1966																		
1967	81,357	10,009	18,203	5,636	4,748	2,898	5,518	5,079	6,408	6,948	10,456	8,097	5,900	3,218	62,422	56,997	8,129	69.8
1970	104,898	8,416	17,866	7,816	7,276	4,886	6,618	6,378	5,900	6,146	12,063	8,948	7,099	4,361	74,206	64,993	11,996	69.9
1965	116,968	8,040	18,203	7,966	8,923	5,370	9,906	9,977	7,180	8,968	11,769	11,969	6,969	6,479	96,966	92,731	16,326	69.6
1966	122,834	8,798	14,896	7,956	7,900	6,418	10,886	10,180	6,988	7,187	11,639	11,256	6,520	7,479	96,442	89,180	17,000	69.7
1967	153,776	8,664	14,806	7,316	7,894	6,310	11,001	10,416	6,670	7,316	11,727	11,774	9,581	7,866	96,890	87,261	17,560	69.0
<b>Percent distribution</b>																		
1950	100.0	12.5	32.8	7.0	4.1	4.1	6.8	7.4	7.7	7.4	12.9	10.5	6.9	5.9	87.4	80.3	9.9	69.4
1955	100.0	8.4	28.6	7.8	7.8	4.8	6.7	6.7	5.4	6.6	11.4	9.1	6.1	3.9	98.6	80.6	8.6	69.6
1960	100.0	7.8	23.7	7.1	7.7	3.8	8.7	7.9	6.2	6.9	10.0	8.8	6.8	4.4	79.7	79.0	11.9	69.3
1965	100.0	7.8	22.6	8.2	8.8	3.4	8.1	8.6	7.4	6.9	9.4	8.2	7.1	4.8	78.7	78.7	11.8	69.3
1966	100.0	7.9	21.8	8.1	8.2	3.3	8.9	8.6	7.6	6.8	9.4	8.2	7.2	4.8	78.8	78.8	12.1	69.3
1967	100.0	11.6	18.6	8.4	6.4	3.7	6.1	6.9	6.8	6.4	11.4	8.8	6.7	2.7	88.9	80.9	8.4	69.4
1970	100.0	8.7	18.6	8.1	7.4	5.0	6.6	6.7	6.6	6.6	11.9	8.9	6.4	3.9	94.8	84.8	8.4	69.4
1965	100.0	7.8	14.3	7.4	8.0	5.8	8.9	8.0	6.2	6.9	9.9	8.9	6.1	3.9	74.8	74.8	9.4	69.4
1966	100.0	7.6	13.2	8.6	8.8	5.6	9.4	8.7	7.6	6.6	9.4	8.0	6.4	3.8	76.6	76.6	9.8	69.3
1967	100.0	7.6	13.9	8.4	8.8	3.4	8.6	8.8	7.8	6.0	9.4	8.6	6.6	3.8	78.7	78.7	10.0	69.3
<b>Female</b>																		
1950	100.0	12.5	32.8	7.0	4.1	4.1	6.8	7.4	7.7	7.4	12.9	10.5	6.9	5.9	87.4	80.3	9.9	69.4
1955	100.0	8.4	28.6	7.8	7.8	4.8	6.7	6.7	5.4	6.6	11.4	9.1	6.1	3.9	98.6	80.6	8.6	69.6
1960	100.0	7.8	23.7	7.1	7.7	3.8	8.7	7.9	6.2	6.9	10.0	8.8	6.8	4.4	79.7	79.0	11.9	69.3
1965	100.0	7.8	22.6	8.2	8.8	3.4	8.1	8.6	7.4	6.9	9.4	8.2	7.1	4.8	78.7	78.7	11.8	69.3
1966	100.0	7.9	21.8	8.1	8.2	3.3	8.9	8.6	7.6	6.8	9.4	8.2	7.2	4.8	78.8	78.8	12.1	69.3
1967	100.0	11.6	18.6	8.4	6.4	3.7	6.1	6.9	6.8	6.4	11.4	8.8	6.7	2.7	88.9	80.9	8.4	69.4
1970	100.0	8.7	18.6	8.1	7.4	5.0	6.6	6.7	6.6	6.6	11.9	8.9	6.4	3.9	94.8	84.8	8.4	69.4
1965	100.0	7.8	14.3	7.4	8.0	5.8	8.9	8.0	6.2	6.9	9.9	8.9	6.1	3.9	74.8	74.8	9.4	69.4
1966	100.0	7.6	13.2	8.6	8.8	5.6	9.4	8.7	7.6	6.6	9.4	8.0	6.4	3.8	76.6	76.6	9.8	69.3
1967	100.0	7.6	13.9	8.4	8.8	3.4	8.6	8.8	7.8	6.0	9.4	8.6	6.6	3.8	78.7	78.7	10.0	69.3
<b>Percent</b>																		
1950	100.0	12.5	32.8	7.0	4.1	4.1	6.8	7.4	7.7	7.4	12.9	10.5	6.9	5.9	87.4	80.3	9.9	69.4
1955	100.0	8.4	28.6	7.8	7.8	4.8	6.7	6.7	5.4	6.6	11.4	9.1	6.1	3.9	98.6	80.6	8.6	69.6
1960	100.0	7.8	23.7	7.1	7.7	3.8	8.7	7.9	6.2	6.9	10.0	8.8	6.8	4.4	79.7	79.0	11.9	69.3
1965	100.0	7.8	22.6	8.2	8.8	3.4	8.1	8.6	7.4	6.9	9.4	8.2	7.1	4.8	78.7	78.7	11.8	69.3
1966	100.0	7.9	21.8	8.1	8.2	3.3	8.9	8.6	7.6	6.8	9.4	8.2	7.2	4.8	78.8	78.8	12.1	69.3
1967	100.0	11.6	18.6	8.4	6.4	3.7	6.1	6.9	6.8	6.4	11.4	8.8	6.7	2.7	88.9	80.9	8.4	69.4
1970	100.0	8.7	18.6	8.1	7.4	5.0	6.6	6.7	6.6	6.6	11.9	8.9	6.4	3.9	94.8	84.8	8.4	69.4
1965	100.0	7.8	14.3	7.4	8.0	5.8	8.9	8.0	6.2	6.9	9.9	8.9	6.1	3.9	74.8	74.8	9.4	69.4
1966	100.0	7.6	13.2	8.6	8.8	5.6	9.4	8.7	7.6	6.6	9.4	8.0	6.4	3.8	76.6	76.6	9.8	69.3
1967	100.0	7.6	13.9	8.4	8.8	3.4	8.6	8.8	7.8	6.0	9.4	8.6	6.6	3.8	78.7	78.7	10.0	69.3

X. Not applicable.

Source: U.S. Bureau of the Census, Current Population Reports, series P-26, Nos. 516, 517, and 1000.

### NO. 14. ESTIMATED COMPONENTS OF POPULATION CHANGE, BY RACE, 1970 TO 1986, AND PROJECTIONS, 1987 TO 2000

(Includes Armed Forces overseas. Projections are for middle series (series 14). For explanation of methodology, see text section 1)

YEAR AND RACE	TOTAL (Jan. 1-Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION <sup>1</sup>				
	Population at start of period (1,000)	Net increase <sup>2</sup>		Natural increase		Net civilian immigration (1,000)	Net growth rate <sup>1</sup>	Natural increase			Change in life expectancy
		Total (1,000)	Percent <sup>3</sup>	Births (1,000)	Deaths (1,000)			Total	Birth rate	Death rate	
ALL RACES <sup>4</sup>											
Projections:											
1987	242,712	2,226	.92	3,746	2,121	800	9.1	8.7	15.4	8.7	
1988	244,838	2,212	.90	3,758	2,141	595	9.0	8.6	15.3	8.7	
1989	247,150	2,180	.88	3,766	2,161	585	8.8	8.4	15.1	8.7	
1990	249,330	2,125	.85	3,731	2,180	575	8.6	8.2	14.8	8.7	
1995	258,236	1,787	.68	3,517	2,275	525	6.8	4.8	13.5	8.7	
2000	267,498	1,522	.57	3,389	2,388	500	5.7	3.8	12.6	8.6	
WHITE											
1970	178,682	2,050	1.15	3,095	1,687	327	11.4	7.8	17.2	8.4	
1975	186,955	1,458	.78	2,552	1,661	173	7.8	4.7	13.6	8.4	
1980	194,834	1,580	.81	2,899	1,739	431	8.1	5.8	14.8	8.4	
1981	196,414	1,554	.79	2,909	1,732	374	7.9	6.0	14.8	8.8	
1982	197,967	1,548	.78	2,942	1,729	334	7.8	6.1	14.8	8.7	
1983	199,515	1,472	.74	2,904	1,786	334	7.4	5.7	14.5	8.8	
1984	200,888	1,476	.73	2,924	1,782	334	7.3	5.7	14.5	8.8	
1985	202,484	1,521	.75	2,983	1,816	352	7.5	5.7	14.7	8.9	
1986	203,985	1,444	.71	2,927	1,830	346	7.1	5.4	14.3	8.9	
Projections:											
1987	205,430	1,512	.74	2,888	1,838	363	7.3	5.8	14.5	8.9	
1988	206,943	1,494	.72	2,890	1,854	358	7.2	5.5	14.4	8.9	
1989	208,437	1,480	.70	2,882	1,872	350	7.0	5.3	14.3	8.9	
1990	209,897	1,408	.67	2,855	1,888	340	6.7	5.1	14.0	9.0	
1995	218,267	1,074	.50	2,744	2,000	296	5.0	3.6	12.7	9.1	
2000	221,088	838	.38	2,602	2,038	273	3.8	2.5	11.7	9.2	
BLACK											
1970	22,617	424	1.87	575	226	39	18.6	15.3	25.2	9.9	
1975	24,802	382	1.55	512	218	38	15.4	11.8	20.8	8.8	
1980	26,680	452	1.69	590	239	75	16.8	13.2	21.9	8.7	
1981	27,132	428	1.56	588	229	69	15.7	13.1	21.5	8.4	
1982	27,560	424	1.54	593	227	58	15.3	13.2	21.3	8.2	
1983	27,985	407	1.45	588	233	54	14.4	12.5	20.8	8.3	
1984	28,391	410	1.44	583	236	54	14.4	12.5	20.7	8.3	
1985	28,802	422	1.47	609	244	58	14.6	12.6	21.0	8.4	
1986	29,224	420	1.44	604	241	57	14.3	12.5	20.5	8.2	
Projections:											
1987	29,642	430	1.45	618	248	61	14.4	12.4	20.7	8.3	
1988	30,072	432	1.43	621	250	60	14.2	12.2	20.5	8.3	
1989	30,503	430	1.41	622	252	60	14.0	12.1	20.3	8.2	
1990	30,934	426	1.38	620	254	60	13.7	11.8	19.9	8.1	
1995	33,000	386	1.20	602	262	56	11.8	10.2	18.1	7.9	
2000	34,939	379	1.08	597	272	54	10.8	9.3	17.0	7.7	

<sup>1</sup> Includes overseas admissions into, less discharges from, Armed Forces and includes for 1970-1980 "error of closure amount necessary to make the components of change add to the net change between censuses), for which figures are not separately. <sup>2</sup> Percent of population at beginning of period. <sup>3</sup> Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1006 and forthcoming report.

### NO. 15. PROJECTIONS OF THE HISPANIC POPULATION BY AGE AND SEX: 1987 TO 2000

(As of July 1. Includes Armed Forces overseas. See text, section 1 for explanation of methodology. Data are for the middle with the following assumptions about fertility (ultimate lifetime births per woman), mortality (life expectancy in 2000) immigration (yearly net immigration): 1.9 births per woman, 81.0 years, and 143,000 net immigration. These projections are consistent with those shown in tables 14 and 16)

AGE AND SEX	POPULATION (1,000)						PERCENT DISTRIBUTION		PERCENT CHANGE 1980-1990
	1987	1990	1995	2000	2005	2010	1980	2000	
Total	18,312	18,833	19,358	19,887	22,550	25,223	100.0	100.0	34.6
Under 5 years old	2,151	2,198	2,242	2,282	2,412	2,498	11.5	9.9	38.2
5-17 years old	4,445	4,583	4,690	4,825	5,555	6,207	24.3	24.8	21.0
18-24 years old	2,349	2,356	2,369	2,387	2,511	2,767	12.0	11.0	5.3
25-34 years old	3,452	3,527	3,585	3,629	3,717	3,804	18.2	15.1	42.1
35-44 years old	2,383	2,515	2,651	2,788	3,430	3,803	14.0	15.1	74.9
45-54 years old	1,471	1,528	1,584	1,668	2,165	2,811	8.4	11.1	38.8
55-64 years old	1,092	1,125	1,158	1,183	1,342	1,819	5.9	6.4	68.1
65-74 years old	805	837	870	907	984	1,041	3.8	4.1	68.1
75 years old and over	367	385	402	419	525	678	2.1	2.7	64.3
18 years old and over	12,870	12,728	13,080	13,453	15,322	17,419	67.8	69.0	37.8
Male	9,155	9,417	9,691	9,947	11,265	12,627	50.0	50.1	34.6
Female	9,157	9,416	9,667	9,940	11,285	12,596	50.0	49.9	34.6

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 995.

## NO. 16. PROJECTIONS OF THE TOTAL POPULATION BY AGE, SEX, AND RACE: 1987 TO 2000

(As of July 1. Includes Armed Forces overseas. Data are for middle series. For explanation of methodology, see text, section 1. Minus sign - indicates decrease.)

AGE, SEX, AND RACE	POPULATION (1,000)						PERCENT DISTRIBUTION		PERCENT CHANGE	
	1987	1990	1995	2000	2005	2010	1990	2000	1990-1995	1995-2000
<b>Total population <sup>1</sup></b>	<b>243,827</b>	<b>246,846</b>	<b>246,251</b>	<b>230,416</b>	<b>230,138</b>	<b>230,388</b>	<b>100.0</b>	<b>100.0</b>	<b>9.9</b>	<b>7.1</b>
Under 5 years old	18,198	18,269	18,413	18,408	17,799	18,808	7.4	8.3	11.8	-8.2
5-17 years old	45,277	45,344	45,269	45,630	48,374	48,815	18.2	18.2	-3.4	7.0
18-24 years old	27,366	26,904	26,591	26,140	24,281	25,231	10.4	8.4	-13.9	-3.5
25-34 years old	43,513	43,861	44,024	43,925	40,882	37,149	17.8	13.8	16.7	-15.4
35-44 years old	34,371	35,321	36,548	37,897	42,336	43,811	15.1	18.4	46.5	11.1
45-54 years old	23,277	24,151	24,872	25,487	31,297	37,223	10.2	13.9	12.0	48.0
55-64 years old	22,006	21,799	21,544	21,364	21,325	24,158	8.5	9.0	-1.8	13.1
65-74 years old	17,848	17,873	17,883	18,373	18,830	18,243	7.3	8.0	17.4	-7.7
75 years old and over	12,186	12,627	12,883	13,187	14,834	16,638	5.3	6.2	31.2	28.2
<b>16 years old and over</b>	<b>187,955</b>	<b>188,810</b>	<b>191,451</b>	<b>192,968</b>	<b>201,018</b>	<b>210,134</b>	<b>77.1</b>	<b>78.3</b>	<b>11.8</b>	<b>8.8</b>
<b>Male, total</b>	<b>118,888</b>	<b>120,884</b>	<b>121,188</b>	<b>122,243</b>	<b>127,123</b>	<b>131,181</b>	<b>100.0</b>	<b>100.0</b>	<b>10.2</b>	<b>7.3</b>
Under 5 years old	9,314	9,351	9,425	9,426	9,118	9,651	7.7	6.6	12.0	-8.1
5-17 years old	23,190	23,226	23,190	23,377	24,767	25,027	19.1	18.8	-3.2	7.1
18-24 years old	13,824	13,598	13,440	13,216	12,290	12,770	10.6	9.7	-13.8	-3.4
25-34 years old	21,846	22,032	22,128	22,078	20,579	18,662	18.1	14.2	17.8	-15.5
35-44 years old	18,980	17,488	18,094	18,785	21,104	21,945	15.4	16.7	47.7	16.8
45-54 years old	11,314	11,750	12,104	12,406	15,292	18,286	10.1	13.9	12.8	47.5
55-64 years old	10,358	10,273	10,170	10,108	10,149	11,557	8.3	8.8	-8.1	14.4
65-74 years old	7,809	7,923	8,062	8,171	8,476	8,242	6.7	6.3	20.3	-8.8
75 years old and over	4,305	4,432	4,559	4,681	5,328	6,032	3.6	4.6	30.8	28.8
<b>16 years old and over</b>	<b>90,333</b>	<b>91,255</b>	<b>92,070</b>	<b>92,834</b>	<b>98,834</b>	<b>101,392</b>	<b>75.9</b>	<b>77.3</b>	<b>12.4</b>	<b>8.2</b>
<b>Female, total</b>	<b>134,889</b>	<b>126,966</b>	<b>127,062</b>	<b>138,167</b>	<b>133,015</b>	<b>137,078</b>	<b>100.0</b>	<b>100.0</b>	<b>9.7</b>	<b>7.8</b>
Under 5 years old	8,884	8,918	8,988	8,982	8,681	9,157	7.0	6.0	11.7	-8.3
5-17 years old	22,087	22,118	22,079	22,253	23,607	23,788	17.4	17.4	-3.7	6.9
18-24 years old	13,531	13,307	13,150	12,924	11,991	12,461	10.1	9.1	-14.0	-3.8
25-34 years old	21,867	21,829	21,897	21,848	20,384	18,487	17.0	13.5	15.7	-15.4
35-44 years old	17,391	17,854	18,455	19,112	21,233	21,986	14.8	16.0	45.4	14.9
45-54 years old	11,982	12,401	12,788	13,081	16,005	18,927	10.2	13.8	11.3	44.7
55-64 years old	11,648	11,527	11,375	11,260	11,176	12,601	8.9	9.2	-2.6	11.9
65-74 years old	9,837	9,949	10,077	10,201	10,454	10,001	8.0	7.3	15.1	-2.0
75 years old and over	7,881	8,084	8,304	8,506	9,507	10,807	6.8	7.7	31.3	24.7
<b>16 years old and over</b>	<b>67,623</b>	<b>68,554</b>	<b>69,361</b>	<b>70,156</b>	<b>74,184</b>	<b>76,742</b>	<b>78.1</b>	<b>79.3</b>	<b>11.5</b>	<b>8.6</b>
<b>White, total</b>	<b>206,190</b>	<b>207,888</b>	<b>208,178</b>	<b>218,818</b>	<b>218,888</b>	<b>221,514</b>	<b>100.0</b>	<b>100.0</b>	<b>7.7</b>	<b>5.3</b>
Under 5 years old	14,733	14,787	14,899	14,883	14,251	13,324	7.1	6.0	10.4	-10.5
5-17 years old	38,533	38,488	38,317	38,537	38,493	38,589	17.3	17.4	-8.3	5.6
18-24 years old	22,526	22,105	21,775	21,330	19,452	19,998	10.1	9.0	16.7	-8.2
25-34 years old	36,543	36,749	36,798	36,820	33,880	29,988	17.4	13.5	13.6	-18.1
35-44 years old	29,530	30,251	31,223	32,306	36,835	36,574	15.3	16.5	44.1	13.2
45-54 years old	20,073	20,836	21,450	21,950	26,879	31,518	10.4	14.3	38.8	44.0
55-64 years old	19,377	19,136	18,852	18,637	18,327	20,867	9.3	9.3	-4.5	10.9
65-74 years old	15,804	15,883	15,188	15,380	15,881	15,811	7.8	7.1	16.1	-3.5
75 years old and over	11,071	11,375	11,675	11,965	13,421	14,965	5.7	6.8	30.2	25.1
<b>16 years old and over</b>	<b>151,122</b>	<b>152,380</b>	<b>153,488</b>	<b>164,465</b>	<b>168,686</b>	<b>175,579</b>	<b>78.1</b>	<b>79.3</b>	<b>9.6</b>	<b>6.6</b>
<b>Male</b>	<b>100,918</b>	<b>102,448</b>	<b>102,448</b>	<b>103,164</b>	<b>108,385</b>	<b>108,774</b>	<b>49.0</b>	<b>49.1</b>	<b>8.0</b>	<b>5.4</b>
<b>Female</b>	<b>105,272</b>	<b>105,007</b>	<b>105,730</b>	<b>107,432</b>	<b>110,455</b>	<b>112,739</b>	<b>51.0</b>	<b>50.9</b>	<b>7.4</b>	<b>4.9</b>
<b>Black, total</b>	<b>38,967</b>	<b>38,287</b>	<b>38,718</b>	<b>31,148</b>	<b>33,188</b>	<b>36,129</b>	<b>100.0</b>	<b>100.0</b>	<b>15.6</b>	<b>12.8</b>
Under 5 years old	2,744	2,789	2,806	2,814	2,780	2,748	9.0	7.6	13.7	-2.3
5-17 years old	7,020	7,082	7,085	7,170	7,697	7,695	23.0	22.5	2.5	10.1
18-24 years old	3,902	3,853	3,845	3,813	3,703	3,824	12.2	11.2	-5.4	2.9
25-34 years old	5,480	5,582	5,639	5,685	5,534	5,254	18.3	15.0	31.2	-7.4
35-44 years old	3,888	3,828	4,010	4,210	5,041	5,481	13.5	15.8	52.9	30.2
45-54 years old	2,492	2,558	2,620	2,688	3,281	4,106	8.8	11.7	17.4	52.9
55-64 years old	2,123	2,135	2,145	2,158	2,288	2,578	6.9	7.3	12.1	18.6
65-74 years old	1,516	1,545	1,576	1,608	1,762	1,848	5.2	5.8	19.0	14.9
75 years old and over	931	958	981	1,005	1,122	1,263	3.2	3.7	33.1	27.7
<b>16 years old and over</b>	<b>21,238</b>	<b>21,592</b>	<b>21,920</b>	<b>18,333</b>	<b>19,498</b>	<b>25,708</b>	<b>71.4</b>	<b>73.2</b>	<b>19.2</b>	<b>15.7</b>
<b>Male</b>	<b>14,203</b>	<b>14,414</b>	<b>14,625</b>	<b>14,835</b>	<b>15,840</b>	<b>16,767</b>	<b>47.6</b>	<b>47.8</b>	<b>16.2</b>	<b>13.2</b>
<b>Female</b>	<b>15,654</b>	<b>15,874</b>	<b>16,094</b>	<b>16,313</b>	<b>17,358</b>	<b>18,342</b>	<b>52.4</b>	<b>52.2</b>	<b>15.4</b>	<b>12.4</b>

<sup>1</sup> Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, forthcoming report.

### NO. 17. RESIDENT POPULATION, BY SEX, RACE, RESIDENCE, AND MEDIAN AGE: 1790 TO 1986

[In thousands, except as indicated. Excludes Armed Forces abroad. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1870*, series A 73-81 and A 143-149]

DATE	SEX		RACE				RESIDENCE <sup>1</sup>		MEDIAN AGE (years)		
	Male	Female	White	Black		Other	Urban	Rural	All races	White	Black
				Number	Percent						
CONTINUOUS U.S. <sup>2</sup>											
1790 (Aug. 2)	(NA)	(NA)	3,172	757	19.3	(NA)	202	3,726	(NA)	(NA)	(NA)
1800 (Aug. 4)	(NA)	(NA)	4,306	1,002	18.9	(NA)	322	4,996	(NA)	(NA)	(NA)
1810 (Aug. 6)	(NA)	(NA)	5,562	1,378	19.0	(NA)	525	6,714	(NA)	(NA)	(NA)
1820 (Aug. 7)	4,897	4,742	7,867	1,772	18.4	(NA)	693	8,945	18.7	18.5	17.2
1830 (June 1)	6,532	6,334	10,537	2,329	18.1	(NA)	1,127	11,739	17.2	17.2	16.9
1840 (June 1)	8,668	8,361	14,196	2,674	18.8	(NA)	1,845	15,224	17.8	17.9	17.3
1850 (June 1)	11,838	11,354	19,553	3,639	15.7	(NA)	3,544	19,646	18.9	19.2	17.3
1860 (June 1)	16,085	15,358	26,923	4,442	14.1	76	8,217	25,227	19.4	19.7	17.7
1870 (June 1)	19,494	19,085	33,589	4,680	12.7	69	9,902	28,658	20.2	20.4	18.5
1880 (June 1)	25,519	24,637	43,403	6,581	13.1	172	14,130	36,026	20.9	21.4	18.0
1890 (June 1)	32,237	30,711	55,101	7,489	11.9	358	22,106	40,841	22.0	22.6	17.8
1900 (June 1)	38,816	37,178	66,809	8,634	11.6	351	30,180	45,835	22.9	23.4	19.4
1910 (Apr. 15)	47,332	44,640	81,732	9,526	10.7	413	41,999	49,973	24.1	24.6	20.8
1920 (Jan. 1)	53,900	51,810	94,821	10,483	9.9	427	54,158	51,563	25.3	25.6	22.3
1930 (Apr. 1)	62,137	60,838	110,267	11,981	8.7	597	68,956	53,820	26.4	26.8	23.5
1940 (Apr. 1)	66,082	65,806	116,215	12,866	8.8	589	74,424	57,248	28.0	29.5	25.3
1950 (Apr. 1)	74,833	75,864	134,842	15,042	10.0	718	96,468	54,230	30.2	30.8	26.2
UNITED STATES											
1950 (Apr. 1)	75,187	75,139	135,150	15,045	9.9	1,131	96,847	54,479	30.2	30.7	26.1
1960 (Apr. 1)	88,331	90,992	156,832	18,672	10.5	1,820	125,289	64,054	29.5	30.3	26.1
1970 (Apr. 1) <sup>3</sup>	98,926	104,309	178,098	22,581	11.1	2,557	149,325	63,887	28.0	28.9	22.1
1980 (Apr. 1) <sup>4</sup>	110,053	116,483	194,713	26,683	11.8	5,150	167,051	69,495	30.0	30.9	24.1
1982 (July 1) <sup>5</sup>	112,772	119,224	198,321	27,636	11.9	6,039	(NA)	(NA)	30.6	31.5	25.1
1983 (July 1) <sup>5</sup>	113,919	120,385	199,549	28,065	12.0	6,379	(NA)	(NA)	30.8	31.6	25.1
1984 (July 1) <sup>5</sup>	116,022	121,466	201,290	28,467	12.0	6,730	(NA)	(NA)	31.2	32.1	26.1
1985 (July 1) <sup>5</sup>	118,161	122,579	202,785	28,878	12.1	7,067	(NA)	(NA)	31.5	32.4	26.1
1986 (July 1) <sup>5</sup>	117,360	123,719	204,301	29,306	12.2	7,471	(NA)	(NA)	31.8	32.7	26.1

NA Not available. <sup>1</sup> Beginning 1980, current definition. For explanation of change, see text, section 1. <sup>2</sup> Excludes Alaska and Hawaii. <sup>3</sup> The revised 1970 resident population count is 203,302,091; which incorporates changes due to errors found at tabulations were completed. The race and sex data shown here reflect the official 1970 census count while the residence data come from the tabulated count; see text, section 1. <sup>4</sup> The race data shown for April 1, 1980 have been modified; see text, section 1 for explanation. <sup>5</sup> Estimated.

### NO. 18. RATIO OF MALES TO FEMALES, BY AGE GROUP, 1920 TO 1986, AND BY RACE, 1986

[Represents number of males per 100 females. Total resident population]

AGE	1920 (Jan. 1)	1930 (Apr. 1)	1940 (Apr. 1)	1950 (Apr. 1)	1960 (Apr. 1)	1970 (Apr. 1)	1980 (Apr. 1)	1986 (July 1)	1986 (July 1)		
									Total <sup>1</sup>	White	Blk
All ages	104.1	103.5	103.7	103.5	103.1	103.5	104.5	104.5	104.5	104.5	104.5
Under 14 years	102.1	102.6	103.0	103.7	103.4	103.9	104.6	104.6	104.6	104.6	104.6
14-24 years	97.3	98.4	99.8	99.2	98.7	98.7	101.9	102.2	102.3	102.8	102.8
25-44 years	105.1	101.8	98.5	98.4	95.7	95.5	97.4	98.5	98.7	100.7	100.7
45-64 years	115.2	109.1	105.2	100.1	95.7	91.8	90.7	91.5	91.6	96.0	96.0
65 years and over	101.3	100.5	95.5	89.6	82.8	72.1	67.8	67.9	68.1	68.0	68.0

<sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Includes "age not reported."

Source of tables 17 and 18: U.S. Bureau of the Census, *U.S. Census of Population: 1920*, vol. II; *1940*, vol. II, part 1, and *1960*, vol. II, part 1; *1980*, vol. I, part 1; *1970*, vol. I, part 8; and *Current Population Reports*, series P-25, No. 1.

### NO. 19. HISPANIC POPULATION, BY AGE AND SEX: 1980 AND 1986

[In thousands, except percent. 1980, as of April; 1986, as of March. Hispanic persons may be of any race]

ITEM	Total, all years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years
1980, total	14,809	1,863	1,837	1,475	1,606	1,596	1,376	1,129	854	712	628	564	484	328
Male	7,260	848	783	747	827	819	697	556	416	345	300	270	217	141
Female	7,329	815	754	728	780	787	679	573	438	367	328	294	237	177
1986, total	18,091	1,967	1,915	1,712	1,836	1,932	1,662	1,584	1,278	932	808	661	517	408
Male	9,035	1,003	903	896	901	1,034	947	846	637	442	377	315	221	177
Female	9,057	964	912	816	935	897	715	738	641	490	431	346	296	231
PERCENT DISTRIBUTION														
1980, total	100.0	11.4	10.5	10.1	11.0	10.9	9.4	7.7	5.8	4.9	4.3	3.9	3.1	2.2
Male	100.0	11.8	10.8	10.3	11.4	11.3	9.6	7.7	5.7	4.7	4.1	3.7	3.0	2.2
Female	100.0	11.1	10.3	9.9	10.6	10.5	9.3	7.8	6.0	5.0	4.4	4.0	3.2	2.2
1986, total	100.0	10.8	10.0	9.5	9.0	10.7	10.4	8.8	7.1	5.2	4.4	3.8	2.9	2.2
Male	100.0	11.1	10.0	9.9	9.9	11.4	10.5	9.4	7.1	4.9	4.2	3.5	2.4	2.2
Female	100.0	10.6	10.1	9.0	9.2	9.9	10.3	8.3	7.1	5.4	4.7	3.7	3.3	2.2

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter 8 (PC80-1-B); *Current Population Reports*, series P-20, No. 416; and unpublished data.

[In thousands, except as indicated. 1970 and 1960 data based on enumerated population as of April 1; other years based on estimated population as of July 1. Excludes Armed Forces overseas. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A119-134]

YEAR, SEX, AND RACE	Total, all years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-74 years	75 years and over	14-17 years	18-24 years	16 years and over	65 years and over	Me- dian age (yr.)
1970, total <sup>1</sup> .....	203,236	17,163	19,999	20,904	19,084	18,393	13,486	11,437	11,113	11,298	12,124	11,111	9,972	8,923	12,443	7,530	38,978	29,714	141,298	19,972	28.0
Male .....	98,926	8,750	10,175	10,598	9,641	7,925	6,626	5,569	5,416	5,823	5,855	5,351	4,769	4,030	5,440	2,927	18,867	11,583	67,347	8,367	28.8
Female .....	104,309	8,413	9,794	10,206	9,443	8,458	6,859	5,838	5,697	8,186	6,269	5,759	5,210	4,893	7,002	4,603	17,987	12,131	73,920	11,605	29.3
White .....	178,098	14,464	16,941	17,724	16,412	14,327	11,850	10,000	9,749	10,633	10,858	10,019	9,021	7,818	11,300	6,972	31,171	20,865	125,520	18,272	28.9
Black .....	22,581	2,434	2,749	2,812	2,426	1,816	1,429	1,254	1,196	1,199	1,124	990	874	734	1,043	501	5,009	2,721	14,053	1,544	22.4
1960, total <sup>1</sup> .....	228,546	16,348	16,799	18,243	21,188	21,319	18,521	17,861	13,986	11,099	11,099	11,716	11,818	10,999	18,851	9,999	31,189	30,922	171,196	25,549	28.0
Male .....	110,053	8,362	8,539	9,316	10,755	10,663	9,705	8,677	6,862	5,708	5,396	5,621	5,482	4,670	6,757	3,548	15,923	15,054	81,766	10,305	28.8
Female .....	118,493	7,986	8,161	8,926	10,413	10,655	9,816	8,884	7,104	5,961	5,702	8,099	6,133	5,418	8,824	8,420	15,237	14,999	89,429	15,245	31.3
White <sup>2</sup> .....	194,713	13,414	13,717	15,095	17,681	18,072	16,858	15,157	12,122	10,110	9,903	10,300	10,394	9,078	14,045	9,117	25,691	25,381	149,121	23,162	30.9
Male <sup>2</sup> .....	94,924	6,862	7,034	7,730	9,009	9,102	8,363	7,565	6,014	4,991	4,755	5,016	4,928	4,221	6,095	3,221	13,165	12,803	71,559	9,316	29.6
Female <sup>2</sup> .....	99,788	6,532	6,883	7,365	8,673	8,970	8,295	7,592	6,106	5,119	4,938	5,344	5,488	4,858	7,950	5,896	12,526	12,579	77,982	13,846	32.2
Black <sup>2</sup> .....	26,683	2,459	2,509	2,691	3,007	2,749	2,342	1,904	1,489	1,280	1,150	1,135	1,041	874	1,344	748	4,629	3,948	18,425	2,092	24.9
Male <sup>2</sup> .....	12,612	1,240	1,285	1,353	1,500	1,313	1,095	879	667	571	519	507	489	386	567	281	2,330	1,903	8,454	846	23.6
Female <sup>2</sup> .....	14,071	1,220	1,245	1,338	1,508	1,436	1,247	1,025	801	899	632	628	573	488	777	467	2,298	2,045	9,971	1,243	26.2
1961, total .....	229,637	16,931	16,093	18,312	20,501	21,614	20,200	18,786	14,361	12,019	10,992	11,616	11,579	10,376	15,914	10,323	30,764	30,168	174,517	26,236	30.3
Male .....	231,996	17,296	16,020	18,172	19,867	21,567	20,753	18,808	15,569	12,450	11,027	11,455	11,510	10,603	16,197	10,830	30,614	30,012	176,822	26,827	30.6
Female .....	234,284	17,650	16,147	17,912	19,274	21,489	21,202	19,211	18,165	13,135	11,226	11,213	11,528	10,705	16,494	10,934	30,410	29,892	178,965	27,426	30.9
1964, total .....	236,477	17,830	16,454	17,511	16,785	21,327	21,535	19,696	16,932	13,614	11,463	11,032	11,444	10,872	16,739	11,234	30,238	29,145	180,992	27,973	31.2
1966, total .....	236,741	18,017	16,822	17,101	18,552	21,000	21,758	20,269	17,708	14,055	11,846	10,943	11,341	10,994	17,003	11,533	30,110	28,500	183,032	26,536	31.5
1960, total <sup>1</sup> .....	241,078	18,126	17,291	16,864	18,610	20,417	22,010	20,774	18,723	14,346	11,927	10,867	11,268	10,962	17,325	11,847	30,346	27,739	196,249	29,173	31.8
Male .....	117,360	9,274	8,951	8,487	9,463	10,232	11,026	10,367	9,256	7,030	5,617	5,290	5,359	5,097	7,945	4,178	15,541	13,933	86,777	11,623	30.6
Female .....	123,718	8,654	8,440	8,077	9,128	10,165	10,984	10,407	9,487	7,316	8,110	5,627	5,909	5,865	9,861	7,669	14,805	13,806	98,472	17,350	33.0
White .....	204,301	14,675	13,976	13,341	15,206	18,946	18,496	17,549	16,080	12,409	10,274	9,429	9,901	9,740	15,529	10,769	24,489	22,936	159,185	26,297	32.7
Male .....	99,806	7,527	7,172	6,849	7,758	8,533	9,347	8,648	8,029	6,143	5,061	4,803	4,742	4,549	6,874	3,775	12,569	11,565	76,657	10,648	31.5
Female .....	104,493	7,148	6,804	6,492	7,449	8,413	9,150	8,703	8,031	6,269	5,213	4,628	5,159	5,190	8,654	8,996	11,920	11,371	82,526	15,648	33.9
Black .....	28,306	2,721	2,673	2,591	2,785	2,813	2,795	2,491	2,036	1,463	1,282	1,157	1,106	996	1,491	904	4,713	3,904	20,731	2,396	26.9
Male .....	13,692	1,390	1,354	1,314	1,401	1,358	1,325	1,163	831	662	575	517	504	447	632	328	2,389	1,900	9,544	961	25.5
Female .....	15,414	1,341	1,319	1,277	1,383	1,455	1,470	1,328	1,105	801	707	639	904	550	858	578	2,324	2,004	11,187	1,434	26.2
Percent:																					
1970 .....	100.0	8.4	9.8	10.2	9.4	8.1	6.6	5.6	5.5	5.9	6.0	5.5	4.9	4.2	6.1	3.7	18.0	11.7	69.5	9.8	(x)
1960 .....	100.0	7.2	7.4	8.1	9.3	9.4	8.6	7.8	6.2	5.2	4.9	5.2	5.1	4.5	6.9	4.4	13.6	13.3	75.6	11.3	(x)
1966, total <sup>1</sup> .....	100.0	7.5	7.2	8.0	7.7	8.8	9.1	8.0	7.8	6.0	4.5	4.5	4.7	4.5	7.2	4.9	12.8	11.5	78.8	12.1	(x)
Male .....	100.0	7.9	7.5	7.2	8.1	6.7	9.4	8.8	7.9	6.0	5.0	4.5	4.6	4.3	6.5	3.6	13.2	11.9	75.6	10.1	(x)
Female .....	100.0	7.2	6.8	6.5	7.4	8.2	6.9	8.4	7.7	5.9	4.9	4.5	4.8	4.7	7.8	6.2	12.0	11.2	78.0	14.0	(x)
White .....	100.0	7.2	6.8	6.5	7.4	8.3	9.1	8.6	7.9	6.1	5.0	4.6	4.8	4.6	7.6	5.3	12.0	11.2	78.0	12.9	(x)
Black .....	100.0	9.3	9.1	8.8	9.5	9.6	9.5	8.5	6.9	5.0	4.4	3.9	3.8	3.4	5.1	3.1	16.1	13.3	70.7	8.2	(x)

X Not applicable. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Official count. The revised 1970 resident population count is 203,302,031; the difference of 66,733 is due to errors found after release of the official series. <sup>3</sup> The race data shown for April 1, 1960 have been modified. See text, section 1 for explanation.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 670 and 1000.



## NO. 21. RESIDENT POPULATION, 1950 TO 1966, A

(1950-1959, as of Apr. 1; beginning 1961, as of July 1. Insofar as possible, population shown for all years is that of present area of St. See *Historical Statistics, Colonial Times to 1970*, series A-72, for population by regt

REGION, DIVISION, AND STATE OR OTHER AREA	POPULATION											RA
	1960 (1,000)	1966 (1,000)	1970 (1,000)	1980		1981 (1,000)	1982 (1,000)	1983 (1,000)	1984 (1,000)	1985 (1,000)	1986, prel. (1,000)	
				Total (1,000)	Percent urban							
U.S.	161,326	179,323	203,302	225,546	73.7	229,637	231,999	234,264	236,477	238,741	241,876	(
Regions:												
Northeast	39,476	44,678	49,061	49,195	70.2	49,310	49,310	49,310	49,696	49,827	50,017	(
Midwest	44,461	51,819	56,589	58,896	70.5	59,006	59,966	59,935	59,099	59,204	59,313	(
South	47,197	54,973	62,812	75,372	66.9	77,056	78,486	79,727	80,779	81,885	82,988	(
West	20,190	26,053	34,836	43,172	83.9	44,317	45,242	46,116	46,913	47,624	48,760	(
N.E.	9,314	10,508	11,846	12,346	75.1	12,417	12,432	12,499	12,571	12,687	12,737	(
ME	914	999	994	1,125	47.5	1,136	1,139	1,147	1,159	1,166	1,173	(
NH	533	607	736	921	82.2	937	948	959	979	999	1,027	(
VT	376	390	445	511	33.8	516	520	526	530	536	541	(
MA	4,891	5,149	5,669	5,737	63.8	5,753	5,744	5,782	5,782	5,819	5,832	(
RI	762	859	950	947	67.0	952	953	956	960	967	975	(
CT	2,007	2,535	3,032	3,106	76.8	3,123	3,127	3,140	3,159	3,171	3,189	(
M.A.	30,184	34,196	37,213	36,787	69.8	36,841	36,879	37,918	37,116	37,179	37,299	(
NY	14,830	16,782	18,241	17,556	84.8	17,567	17,569	17,680	17,713	17,746	17,772	(
NJ	4,835	6,067	7,171	7,366	69.0	7,406	7,427	7,464	7,511	7,561	7,619	(
PA	10,496	11,219	11,801	11,864	69.3	11,878	11,882	11,894	11,899	11,903	11,906	(
E.N.C.	30,389	36,228	40,262	41,862	73.3	41,711	41,808	41,814	41,886	41,846	41,737	(
OH	7,947	9,706	10,657	10,796	73.3	10,801	10,777	10,742	10,744	10,747	10,752	(
IN	3,634	4,662	5,195	5,490	64.2	5,490	5,485	5,476	5,483	5,500	5,504	(
IL	6,712	10,081	11,110	11,427	63.9	11,474	11,479	11,482	11,524	11,537	11,552	(
MI	6,372	7,823	8,662	9,262	70.7	9,211	9,119	9,056	9,082	9,088	9,146	(
WI	3,435	3,952	4,418	4,706	64.2	4,736	4,747	4,749	4,764	4,779	4,786	(
W.N.C.	14,961	16,364	18,327	17,183	63.9	17,296	17,369	17,421	17,519	17,568	17,576	(
MN	2,962	3,414	3,806	4,076	66.9	4,112	4,133	4,146	4,164	4,192	4,214	(
IA	2,821	2,756	2,826	2,914	58.6	2,918	2,906	2,906	2,904	2,961	2,961	(
MO	3,956	4,320	4,679	4,917	66.1	4,939	4,966	4,966	5,006	5,036	5,086	(
ND	620	632	618	653	48.8	661	672	687	687	686	679	(
SD	653	661	666	691	46.4	692	696	699	706	708	708	(
NE	1,326	1,411	1,486	1,570	62.9	1,563	1,560	1,567	1,606	1,606	1,596	(
KS	1,906	2,179	2,249	2,364	66.7	2,369	2,410	2,429	2,442	2,449	2,460	(
S.A.	21,162	26,672	30,679	36,969	67.1	37,797	38,316	38,879	39,531	40,212	40,916	(
DE	318	446	548	594	70.6	597	600	606	614	622	633	(
MD	2,343	3,101	3,824	4,217	80.3	4,256	4,272	4,299	4,303	4,393	4,493	(
DC	802	764	757	838	100.0	833	827	824	824	823	826	(
VA	3,318	3,957	4,651	5,347	66.0	5,443	5,480	5,559	5,636	5,702	5,767	(
WV	2,006	1,860	1,744	1,960	36.2	1,961	1,962	1,964	1,962	1,937	1,918	(
NC	4,062	4,566	5,064	5,662	48.0	5,958	6,019	6,061	6,170	6,262	6,333	(
SC	2,117	2,363	2,581	3,122	64.1	3,186	3,220	3,253	3,289	3,336	3,377	(
GA	3,445	3,943	4,588	5,463	62.4	5,570	5,711	5,736	5,844	5,975	6,104	(
FL	2,771	4,052	6,791	9,746	64.3	10,193	10,472	10,753	11,046	11,364	11,676	(
E.S.C.	11,677	12,060	12,906	14,989	65.7	14,767	14,873	14,963	16,044	16,133	16,269	(
KY	3,292	3,038	3,221	3,661	50.9	3,675	3,696	3,716	3,724	3,729	3,729	(
TN	3,292	3,567	3,926	4,561	60.4	4,639	4,696	4,691	4,729	4,767	4,803	(
AL	3,062	3,267	3,444	3,664	60.0	3,928	3,944	3,964	3,992	4,022	4,052	(
MS	2,179	2,176	2,217	2,521	47.3	2,545	2,567	2,563	2,599	2,614	2,625	(
W.S.C.	14,639	16,961	18,326	23,747	73.4	24,476	25,399	25,897	26,304	26,546	26,864	(
AR	1,910	1,786	1,923	2,286	51.6	2,306	2,326	2,347	2,347	2,360	2,372	(
LA	2,664	3,257	3,645	4,206	66.6	4,363	4,363	4,442	4,462	4,486	4,501	(
OK	2,233	2,326	2,559	3,026	67.3	3,233	3,233	3,312	3,312	3,312	3,306	(
TX	7,711	9,580	11,199	14,229	79.6	14,766	15,376	15,816	16,063	16,369	16,686	(
Mt.	8,076	8,866	9,286	11,373	78.4	11,750	12,066	12,341	12,566	12,799	13,029	(
MT	591	675	694	767	52.9	796	806	816	824	825	819	(
ID	569	667	713	844	54.0	864	978	988	1,000	1,004	1,011	(
WY	291	330	332	470	62.7	494	510	516	513	510	507	(
CO	1,325	1,754	2,210	2,890	60.6	2,964	3,072	3,149	3,190	3,234	3,267	(
NM	661	851	1,017	1,303	72.1	1,395	1,399	1,402	1,427	1,451	1,479	(
AZ	750	1,302	1,776	2,718	63.8	2,816	2,896	2,977	3,073	3,193	3,319	(
UT	669	891	1,059	1,461	64.4	1,516	1,559	1,596	1,624	1,645	1,665	(
NV	160	266	489	800	66.3	846	879	897	917	937	959	(
Pac.	18,115	21,196	25,646	31,800	66.6	32,588	33,174	33,774	34,346	35,026	35,737	(
WA	2,979	2,853	3,413	4,132	73.6	4,237	4,279	4,304	4,360	4,408	4,462	(
OR	1,621	1,769	2,062	2,633	67.9	2,669	2,699	2,699	2,676	2,699	2,699	(
CA	10,586	15,717	19,971	23,666	91.3	24,266	24,783	25,306	25,760	26,356	26,961	(
AK	129	226	303	402	64.3	415	446	483	506	522	534	(
HI	500	633	770	966	66.5	960	996	1,019	1,036	1,051	1,062	(
PR	2,211	2,350	2,712	3,197	66.8	3,245	3,262	3,265	3,299	3,262	3,274	(

X Not applicable. Z Less than .05 percent. \*For U.S., population of U.S. has been divided by total land area. State and Puerto Rico, population at given census has been divided by land area as then constituted.

## PERCENT URBAN, 1960—STATES AND PUERTO RICO

for area figures of States, see table 316. For composition of regions, see fig. 1, inside front cover. Minus sign (—) indicates decrease, and A 105-106 and A 202-203 for population, density, and residence by State]

RANK				PERCENT CHANGE				POPULATION PER SQ. MILE OF LAND AREA <sup>1</sup>					REGION, DIVISION, AND STATE OR OTHER AREA
1960	1970	1980	1990	1960- 1970	1970- 1980	1980- 1990	1990- 2000	1960	1970	1980	1990	2000	
00	00	00	00	10.5	13.4	11.4	6.4	42.0	90.0	157.4	84.0	88.1	U.S.
33	33	33	33	13.2	9.8	.2	■	241.2	273.4	300.4	301.8	307.3	Region
33	33	33	33	16.1	9.6	4.0	■	■	88.6	75.2	78.9	78.9	Northeast
33	33	33	33	18.5	14.3	20.0	10.1	53.7	52.8	■	■	85.1	Midwest
33	33	33	33	38.9	24.2	23.0	12.9	11.5	■	19.9	24.6	■	South
46	46	46	46	12.8	12.7	4.2	8.1	147.5	188.0	188.1	188.0	202.1	West
46	46	46	46	■	2.8	13.2	4.3	29.4	31.3	32.1	36.3	37.9	N.E.
46	46	46	46	13.8	21.6	■	11.5	58.1	67.2	81.7	102.4	114.2	ME
46	46	46	46	3.2	14.1	15.0	5.8	40.7	42.0	47.9	55.2	59.3	NH
46	46	46	46	9.8	10.5	.8	1.7	586.2	657.3	727.0	733.3	745.4	VT
46	46	46	46	6.5	10.8	—3	2.9	748.5	819.3	902.5	897.8	924.1	MA
46	46	46	46	26.3	19.6	2.5	2.8	408.7	520.6	623.6	637.8	654.5	RI
46	46	46	46	13.5	6.9	—1.1	1.3	383.1	340.3	378.6	388.9	373.8	CT
46	46	46	46	18.2	8.7	—3.7	1.2	308.3	350.6	381.3	370.6	375.1	MA
46	46	46	46	25.5	18.2	2.7	3.5	642.6	806.5	953.1	988.2	1,020.3	NY
46	46	46	46	7.8	4.3	.5	.2	233.1	251.4	262.3	264.3	264.8	NJ
46	46	46	46	19.2	11.1	3.5	.1	124.1	148.3	164.9	178.9	171.1	PA
46	46	46	46	22.1	9.8	1.3	—4	183.8	230.6	280.0	283.3	282.2	E.N.C.
46	46	46	46	16.5	11.4	5.7	.2	108.7	■	143.9	162.8	153.2	OH
46	46	46	46	16.7	10.2	2.8	1.1	155.8	180.4	198.4	205.3	■	IN
46	46	46	46	22.8	13.5	4.3	—1.3	111.7	137.7	156.2	162.6	160.6	IL
46	46	46	46	15.1	11.8	8.5	—1.7	82.8	72.6	81.1	88.5	87.9	MI
46	46	46	46	8.5	6.1	5.2	2.9	27.5	30.3	33.1	33.8	34.8	WI
46	46	46	46	14.5	11.5	7.1	3.4	37.3	42.1	48.0	51.2	53.0	W.N.C.
46	46	46	46	5.2	2.4	3.1	—2.2	48.8	49.2	50.5	52.1	50.9	MN
46	46	46	46	9.2	8.3	5.1	3.0	57.1	62.6	67.6	71.9	73.5	IA
46	46	46	46	2.1	—2.2	5.7	4.1	8.8	9.1	8.9	8.4	8.8	MO
46	46	46	46	4.3	—2.2	3.7	2.5	8.5	9.0	8.8	9.1	9.3	ND
46	46	46	46	8.5	5.2	5.7	1.8	17.3	■	18.4	20.5	20.8	SD
46	46	46	46	14.3	3.2	5.1	4.1	23.2	26.8	27.5	■	30.1	NE
46	46	46	46	22.8	18.1	28.5	10.7	78.9	87.1	114.9	138.4	183.3	KS
46	46	46	46	40.3	22.9	8.4	6.5	160.8	225.2	276.5	307.6	327.5	S.A.
46	46	46	46	32.3	25.5	7.5	5.8	237.1	313.5	388.6	428.7	453.7	DE
46	46	46	46	—4.8	—9	16.6	—1.9	13,151	12,524	12,402	10,132	9,936	MD
46	46	46	46	19.5	17.2	14.9	8.2	83.2	98.6	116.9	134.7	145.8	DC
46	46	46	46	—7.2	—6.2	11.8	—1.5	83.3	77.2	72.5	80.8	79.5	VA
46	46	46	46	12.2	11.6	15.7	7.7	82.7	93.2	104.1	120.4	129.7	WV
46	46	46	46	12.5	8.7	20.5	8.2	89.9	78.7	85.7	103.4	111.8	NC
46	46	46	46	14.5	18.4	19.1	11.7	58.9	57.8	78.0	84.1	105.1	SC
46	46	46	46	78.7	37.1	43.5	19.8	51.1	91.5	125.5	180.0	215.6	GA
46	46	46	46	5.8	8.3	14.8	3.7	83.8	87.3	71.5	82.0	85.0	FL
46	46	46	46	3.2	8.0	13.7	1.9	73.9	76.2	81.2	82.3	84.0	E.S.C.
46	46	46	46	8.4	10.1	15.9	4.6	78.8	86.2	94.9	111.6	115.7	KY
46	46	46	46	8.7	6.4	13.1	4.1	58.9	84.2	87.9	78.7	79.6	TN
46	46	46	46	(—2)	1.8	13.7	4.1	46.1	46.0	46.9	53.4	55.6	AL
46	46	46	46	16.8	14.9	22.9	13.1	33.9	38.5	45.2	55.8	62.9	MS
46	46	46	46	—6.5	7.7	18.9	3.8	36.3	34.2	37.0	43.9	45.6	W.S.C.
46	46	46	46	21.4	11.9	15.4	7.0	59.4	72.2	81.0	84.5	101.1	AR
46	46	46	46	4.3	9.9	16.2	9.2	32.4	33.8	37.2	44.1	48.1	LA
46	46	46	46	24.2	16.9	27.1	17.3	29.3	38.4	42.7	54.3	63.7	OK
46	46	46	46	36.1	28.8	37.2	14.5	5.8	8.0	9.7	13.3	15.2	TX
46	46	46	46	14.2	2.8	13.3	4.1	4.1	■	■	5.4	5.6	MT
46	46	46	46	13.3	6.9	32.4	6.2	7.1	8.1	8.6	11.5	12.2	ID
46	46	46	46	13.8	.8	41.3	8.0	3.0	3.4	3.4	4.6	5.2	WY
46	46	46	46	32.4	■	30.8	13.1	12.8	18.9	21.3	27.9	31.5	CO
46	46	46	46	39.8	6.9	28.1	13.5	5.6	7.8	8.4	10.7	12.2	NM
46	46	46	46	73.7	36.3	53.1	22.1	6.6	11.5	15.6	23.9	29.2	AZ
46	46	46	46	29.3	18.9	37.9	14.0	8.4	10.8	12.9	17.8	20.3	UT
46	46	46	46	78.2	71.8	83.8	20.3	1.5	2.6	4.4	7.3	8.8	NV
46	46	46	46	46.2	26.2	19.8	12.4	98.8	23.8	28.7	36.5	39.9	Pac.
46	46	46	46	19.9	19.6	21.1	8.0	35.6	42.8	51.2	■	87.1	WA
46	46	46	46	18.3	18.3	25.9	2.5	15.8	18.4	21.7	27.4	28.0	OR
46	46	46	46	46.5	27.1	18.5	14.0	67.5	100.4	127.6	151.4	172.6	CA
46	46	46	46	75.8	34.1	32.8	32.8	.2	.4	.5	.7	.9	AK
46	46	46	46	28.2	21.6	25.3	10.1	78.0	88.5	119.5	150.1	185.3	HI
00	00	00	00	6.2	15.4	17.9	2.4	845.8	888.4	792.6	924.1	945.5	PR

<sup>1</sup>Land area for Alaska corrected after 1970 final reports were issued.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; and *1980 Census of Population*, vol. 1, chapter A (PC80-1-A) and chapter B (PC80-1-B); and *Current Population Reports*, series P-25, No. 1010.

## NO. 22. POPULATION, BY SIZE-CLASS OF STATES: 1970 TO 1986

[As of April 1, except 1980, as of July 1. Includes District of Columbia. Gross area excludes land and water]

POPULATION SIZE-CLASS	1970			1980					1986		
	Number of States	Population		Number of States	Population		Gross area		Number of States	Population	
		Total (1,000)	Percent of total		Total (1,000)	Percent of total	Total (1,000 sq. mi.)	Percent of total		Total (1,000)	Percent of total
Total.....	51	203,302	100.0	51	228,548	100.0	3,618	100.0	51	241,078	100.0
Over 10 million.....	8	62,990	40.8	8	69,543	30.5	618	17.1	7	107,304	44.5
5 million-10 million.....	8	38,813	19.1	8	54,292	24.0	322	8.9	8	51,388	21.3
3 million-5 million.....	12	46,748	23.0	12	47,854	21.0	577	15.9	13	51,488	21.4
2 million-3 million.....	7	18,743	9.2	7	18,328	8.1	555	15.3	5	13,007	5.4
1 million-2 million.....	6	8,005	4.4	5	7,408	3.3	341	9.4	8	10,927	4.5
Under 1 million.....	14	9,016	4.4	13	8,323	4.1	1,208	33.3	10	8,966	3.7

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, chapter A (PC80-1-A); and Current Population Reports, series P-25, No. 1010.

## NO. 23. U.S. RESIDENT POPULATION, BY REGION AND DIVISION, 1980 TO 1986, AND PROJECTION 1990 TO 2000

[As of April 1, except beginning 1980, as of July 1. For composition of divisions, see fig. 1, inside front cover]

REGION AND DIVISION	POPULATION (millions)							PERCENT DISTRIBUTION					
	1980	1970	1960	1950	1940	1930	1920	1980	1970	1960	1950	1940	1930
United States.....	179.3	103.3	128.5	141.1	149.8	159.8	167.7	100.0	100.0	100.0	100.0	100.0	100.0
Northeast.....	44.7	49.1	49.1	50.0	50.8	51.3	51.8	24.9	24.1	21.7	20.7	20.2	18.8
New England.....	10.5	11.8	12.3	12.7	13.1	13.5	13.8	5.9	5.8	5.5	5.3	5.2	5.2
Middle Atlantic.....	34.2	37.2	36.8	37.3	37.5	37.8	38.0	19.1	18.3	16.2	15.5	15.0	14.6
Midwest.....	51.6	58.8	58.9	59.3	59.8	59.9	59.8	28.8	27.8	25.0	24.6	23.9	23.1
East North Central.....	36.2	40.3	41.7	41.7	42.1	42.0	41.7	20.2	18.8	16.4	17.3	16.6	16.2
West North Central.....	15.4	18.3	17.2	17.6	17.7	17.9	17.9	8.6	8.0	7.6	7.3	7.1	6.9
South.....	55.0	62.8	75.4	83.0	87.3	92.4	98.9	30.7	30.9	33.3	34.4	34.9	35.8
South Atlantic.....	25.0	30.7	37.0	40.9	43.7	47.1	50.0	14.5	15.1	18.3	17.0	17.5	18.1
East South Central.....	12.1	12.8	14.7	15.2	15.8	16.0	16.3	6.7	6.3	6.5	6.3	6.2	6.2
West South Central.....	17.9	19.3	23.7	26.9	27.9	29.3	30.6	9.5	9.5	10.5	11.1	11.2	11.3
West.....	28.1	34.8	43.2	48.8	52.3	56.1	59.4	15.6	17.1	19.1	20.2	20.9	21.6
Mountain.....	8.9	8.3	11.4	13.0	14.0	15.1	16.0	3.8	4.1	5.0	5.4	5.5	5.8
Pacific.....	21.2	26.5	31.8	35.7	38.3	41.0	43.4	11.8	13.1	14.0	14.8	15.3	15.8

Source: U.S. Bureau of the Census, Census of Population: 1970, vol. 1; 1980 Census of Population, vol. 1, chapter A (PC80-1-A); Current Population Reports, series P-25, No. 1010 and forthcoming report.

## NO. 24. MOBILITY STATUS OF THE POPULATION, BY SELECTED CHARACTERISTICS: 1985-1986

[As of March. For persons 1 year old and over. Excludes members of the Armed Forces except those living off post or with families on post. Based on Current Population Survey; see text, section 1 and Appendix III. For composition of regions, see inside front cover]

AGE AND REGION	Total (1,000)	PERCENT DISTRIBUTION					
		Non-movers (same house)	Movers (different house in U.S.)				
			Total	Same county	Different county		
					Total	Same State	Different State
Total.....	222,986	81.4	18.0	11.3	6.7	3.7	3.0
1-4 years old.....	14,370	72.4	26.9	17.8	9.1	4.8	4.3
5-9 years old.....	17,113	78.3	20.2	13.6	6.7	3.6	3.0
10-14 years old.....	16,887	84.0	15.6	10.5	5.0	2.7	2.4
15-19 years old.....	18,274	82.8	16.5	10.1	6.5	3.3	3.2
20-24 years old.....	19,948	83.8	16.2	13.1	7.5	5.8	5.4
25-29 years old.....	21,619	86.3	13.7	12.5	7.0	6.4	6.4
30-34 years old.....	20,434	78.9	21.1	14.4	8.1	4.2	3.9
35-44 years old.....	32,506	83.6	16.4	9.7	6.0	3.3	2.8
45-54 years old.....	22,882	88.7	11.3	6.1	4.0	2.3	1.8
55-64 years old.....	22,061	92.4	7.6	3.8	3.5	2.3	1.2
65-74 years old.....	16,861	95.4	4.6	2.5	2.0	1.0	1.0
75 years old and over.....	10,442	94.5	5.5	3.2	2.3	1.2	1.0
Northeast.....	48,747	87.2	12.8	7.7	4.7	2.7	2.0
Midwest.....	57,808	82.7	17.3	10.9	6.1	3.5	2.6
South.....	79,453	80.0	19.8	12.0	7.6	4.1	3.5
West.....	46,980	78.4	21.6	14.5	8.0	4.4	3.6

Source: U.S. Bureau of the Census, Current Population Reports, series P-20, forthcoming report.

## NO. 25. COMPONENTS OF POPULATION CHANGE—STATES: 1970-1980 AND 1980-1986

Units, except percent. Total resident population. For explanation of methodology, see source. For composition of see fig. 1, inside front cover. Minus sign (-) indicates decreases or net outmigration. See also *Historical Statistics, Times to 1970*, series C 25-75.]

DIVISION, AND STATE	APRIL 1, 1970 TO APRIL 1, 1980						APRIL 1, 1980 TO JULY 1, 1986					
	Net change		Births	Deaths	Net total migration <sup>2</sup>	Error of closure <sup>3</sup>	Net change		Births	Deaths	Net total migration <sup>2</sup>	
	Number	Percent <sup>1</sup>					Number	Percent <sup>1</sup>				
<b>U States</b>	<b>22,344</b>	<b>11.4</b>	<b>22,344</b>	<b>19,279</b>	<b>4,516</b>	<b>4,763</b>	<b>14,832</b>	<b>6.4</b>	<b>22,822</b>	<b>12,833</b>	<b>4,244</b>	
<b>Ala.</b>	75	.2	6,861	4,750	2,886	1,052	861	1.8	4,232	2,995	-386	
<b>Ark.</b>	2,275	4.0	9,032	5,308	2,703	1,255	448	.8	5,735	3,270	-2,017	
<b>Cal.</b>	12,559	20.0	11,221	6,210	5,962	1,557	7,616	10.1	7,888	4,274	4,002	
<b>Col.</b>	8,334	23.9	6,330	3,010	4,115	889	5,587	12.9	5,066	2,123	2,645	
<b>Conn.</b>	681	4.2	1,897	1,139	-241	286	286	3.1	1,880	718	43	
<b>Del.</b>	131	13.2	161	106	52	24	49	4.3	104	88	13	
<b>Fla.</b>	183	24.8	122	74	117	19	108	11.5	89	50	57	
<b>Ga.</b>	67	15.0	72	43	27	11	29	5.5	60	28	8	
<b>Idaho</b>	48	.8	797	550	-289	124	96	1.7	480	340	-45	
<b>Ill.</b>	-3	-.3	123	92	-53	20	28	2.9	79	59	7	
<b>Ind.</b>	75	2.5	381	262	-121	67	61	2.5	259	171	-6	
<b>Iowa</b>	-436	-1.1	5,865	3,522	-2,847	787	483	1.9	3,172	2,360	-429	
<b>Kan.</b>	-683	-3.7	2,461	1,722	-1,820	378	214	1.2	1,554	1,059	-281	
<b>Kent.</b>	111	2.7	961	670	-275	157	255	3.5	624	431	62	
<b>La.</b>	63	.5	1,583	1,230	-551	252	24	.2	985	780	210	
<b>Mass.</b>	1,418	3.5	6,454	3,783	-2,228	867	55	.1	3,884	2,278	-1,883	
<b>Mich.</b>	140	1.3	1,676	987	-779	230	-45	-.4	1,015	608	-452	
<b>Minn.</b>	296	5.7	865	480	-206	118	13	.2	516	297	-	
<b>Miss.</b>	318	2.8	1,780	1,088	-848	241	128	1.1	1,139	637	-277	
<b>Mo.</b>	380	4.3	1,441	783	-498	188	-117	-1.3	863	477	-503	
<b>Mont.</b>	288	8.5	682	408	-90	102	78	1.7	480	258	-125	
<b>N. Carolina</b>	888	5.2	2,578	1,887	-484	388	388	2.9	1,741	984	-254	
<b>N. Dakota</b>	270	7.1	505	332	-	173	138	3.4	421	211	-72	
<b>N. H.</b>	88	3.1	432	284	122	82	-63	-2.2	274	171	-186	
<b>N. J.</b>	239	5.1	728	502	92	104	148	3.0	478	308	-18	
<b>N. Mex.</b>	38	5.7	107	58	31	14	25	4.1	78	36	-15	
<b>N. Y.</b>	25	3.7	117	88	-41	16	17	2.5	79	41	-20	
<b>Ohio</b>	84	5.7	246	148	-47	34	28	1.8	185	82	-45	
<b>Ore.</b>	115	5.1	354	220	-71	51	87	4.1	252	137	-18	
<b>Penn.</b>	8,288	28.5	5,148	3,871	3,448	782	3,888	18.7	3,554	2,188	1,361	
<b>R. I.</b>	46	8.4	88	48	-8	12	28	6.5	58	30	13	
<b>S. Carolina</b>	293	7.5	508	329	-36	90	246	5.6	401	219	85	
<b>S. Dakota</b>	-118	-15.8	108	77	-164	14	-12	-1.9	59	42	29	
<b>Texas</b>	685	14.9	748	404	239	112	440	8.2	511	273	202	
<b>Utah</b>	205	11.8	290	187	71	40	-31	-1.8	184	120	-74	
<b>Va.</b>	787	15.7	883	588	278	121	255	7.7	538	316	230	
<b>W. Virginia</b>	531	20.5	408	240	210	63	256	8.2	321	183	98	
<b>Wis.</b>	875	19.1	882	427	329	111	841	11.7	574	287	364	
<b>Wyo.</b>	2,955	43.5	1,121	883	2,519	1,828	1,828	19.8	831	707	1,704	
<b>Alaska</b>	1,858	14.5	2,381	1,382	898	599	543	3.7	1,418	848	-25	
<b>Hawaii</b>	440	13.7	334	131	75	75	19	1.9	345	212	-	
<b>Guam</b>	665	18.9	684	381	297	95	212	4.6	416	281	56	
<b>Puerto Rico</b>	450	13.1	615	344	87	81	158	4.1	377	228	8	
<b>Virgin Is.</b>	304	13.7	464	233	31	52	104	4.1	281	148	27	
<b>Am. Samoa</b>	4,421	22.8	2,772	1,838	1,886	488	2,117	13.1	2,818	1,288	1,488	
<b>Guam</b>	283	18.9	348	217	164	47	86	3.8	221	145	10	
<b>Mar. Is.</b>	581	15.4	717	344	100	88	295	7.0	514	227	8	
<b>N. Mariana</b>	468	18.2	445	272	230	63	280	9.2	342	182	120	
<b>Puerto Rico</b>	3,031	27.1	2,261	1,006	1,481	294	2,458	17.3	1,839	714	1,331	
<b>Virgin Is.</b>	3,883	37.2	1,837	718	1,739	288	1,688	14.5	1,461	625	794	
<b>Guam</b>	92	13.3	128	67	18	17	32	4.1	88	42	-14	
<b>Mar. Is.</b>	231	32.4	186	65	110	30	98	6.2	117	44	-15	
<b>N. Mariana</b>	137	41.3	73	31	65	10	38	8.0	64	20	-8	
<b>Puerto Rico</b>	880	30.8	415	181	385	61	377	13.1	338	124	185	
<b>Virgin Is.</b>	288	28.1	224	81	116	27	176	13.5	170	58	64	
<b>Guam</b>	943	53.1	405	173	658	55	601	22.1	338	143	405	
<b>Mar. Is.</b>	402	37.8	328	75	119	30	204	14.0	246	54	10	
<b>N. Mariana</b>	312	63.8	80	48	243	16	163	20.3	90	40	113	
<b>Virgin Is.</b>	8,251	18.8	4,483	2,282	2,388	884	2,938	12.4	3,515	1,888	1,821	
<b>Guam</b>	719	21.1	548	303	388	88	330	8.0	433	207	105	
<b>Mar. Is.</b>	542	25.9	351	205	341	55	85	2.5	255	141	-48	
<b>N. Mariana</b>	3,887	18.5	3,354	1,725	1,573	485	3,213	14.0	2,739	1,204	1,776	
<b>Virgin Is.</b>	88	32.8	78	15	28	9	132	32.8	79	12	71	
<b>Guam</b>	195	25.3	183	43	55	20	98	10.1	116	33	18	

to 1980 based on 1970 population; 1980 to 1986 based on 1980 population.

Notes: net migration from abroad, net interregional, interdivisional, or interstate migration, and movement of persons in 1 Forces. <sup>2</sup> For meaning of "error of closure", see text, section 1.

U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 957 and unpublished data.

## NO. 25. RESIDENT POPULATION, BY AGE AND STATE: 1966

[In thousands, except percent. As of July 1. Includes Armed Forces stationed in area. See text, section 1 for basis of estimate. For explanation of methodology, contact source. For composition of regions, see fig. 1, inside front cover. See *State Statistics, Colonial Times to 1970*, series A 204-209 for decennial census data.]

REGION, DIVISION, AND STATE	Total	Under 5 years	5-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over	18 years and over	PERCENT	
												Under 18 years	18 and over
<b>U.S.</b>	<b>241,676</b>	<b>19,126</b>	<b>46,143</b>	<b>27,739</b>	<b>42,784</b>	<b>33,069</b>	<b>22,914</b>	<b>22,229</b>	<b>17,325</b>	<b>11,947</b>	<b>185,249</b>	<b>26.2</b>	
<b>Regions:</b>													
Northeast	50,017	3,353	8,731	5,737	8,423	6,915	4,959	5,191	3,962	2,736	39,480	24.2	
Midwest	59,312	4,394	11,363	6,822	10,427	7,669	5,566	5,487	4,252	3,112	45,421	26.6	
South	82,988	6,316	15,930	9,702	14,579	11,245	7,647	7,471	5,931	3,964	63,337	26.6	
West	49,760	4,063	9,119	5,478	9,365	7,049	4,431	4,080	3,150	2,035	37,012	27.0	
<b>N. Eng.</b>	<b>12,737</b>	<b>648</b>	<b>2,190</b>	<b>1,512</b>	<b>2,347</b>	<b>1,795</b>	<b>1,308</b>	<b>1,390</b>	<b>987</b>	<b>719</b>	<b>10,103</b>	<b>23.8</b>	
ME.	1,173	82	220	136	186	152	109	109	89	67	908	25.6	
NH.	1,027	73	187	122	187	154	95	89	69	50	799	25.3	
VT.	541	40	100	57	100	76	48	44	36	29	419	25.9	
MA.	5,832	391	990	705	1,065	809	545	574	459	335	4,898	23.0	
RI.	975	63	164	116	171	129	86	102	63	59	777	23.3	
CT.	3,169	209	549	363	526	469	323	331	252	171	2,532	23.8	
<b>Mid. Atl.</b>	<b>37,290</b>	<b>2,595</b>	<b>6,351</b>	<b>4,226</b>	<b>6,176</b>	<b>5,129</b>	<b>3,799</b>	<b>3,942</b>	<b>2,974</b>	<b>2,039</b>	<b>29,377</b>	<b>24.3</b>	
NY	17,772	1,230	3,145	2,034	2,961	2,472	1,814	1,833	1,329	954	13,946	24.6	
NJ.	7,619	499	1,332	893	1,233	1,099	799	819	597	384	6,030	24.0	
PA.	11,688	776	2,074	1,329	1,983	1,550	1,150	1,290	1,049	699	9,400	24.0	
<b>E. No. Cent.</b>	<b>41,737</b>	<b>3,081</b>	<b>8,099</b>	<b>4,823</b>	<b>7,333</b>	<b>5,574</b>	<b>3,949</b>	<b>3,902</b>	<b>2,878</b>	<b>2,048</b>	<b>31,942</b>	<b>26.7</b>	
OH.	10,752	779	2,075	1,215	1,890	1,424	1,040	1,050	791	529	9,243	26.5	
IN.	5,504	393	1,084	646	995	732	523	506	396	271	4,203	26.8	
IL.	11,552	871	2,187	1,317	2,050	1,555	1,104	1,081	818	598	8,849	26.5	
MI.	9,145	691	1,809	1,063	1,525	1,237	849	841	629	410	8,962	27.0	
WI.	4,765	357	914	563	842	625	434	427	354	270	3,965	26.6	
<b>W. No. Cent.</b>	<b>17,579</b>	<b>1,334</b>	<b>3,294</b>	<b>1,998</b>	<b>3,094</b>	<b>2,299</b>	<b>1,619</b>	<b>1,694</b>	<b>1,304</b>	<b>1,064</b>	<b>13,479</b>	<b>26.9</b>	
MN.	4,214	324	795	497	772	579	365	359	290	236	3,234	26.3	
IA.	2,851	204	543	322	493	358	258	258	225	189	2,191	26.2	
MO.	5,096	370	939	570	860	662	490	481	399	305	3,810	25.8	
ND.	679	56	132	80	126	83	57	56	49	39	610	27.9	
SD.	709	60	138	81	120	84	62	64	54	45	631	27.9	
NE.	1,599	125	302	182	281	204	143	143	118	101	1,217	26.7	
KS.	2,490	193	453	276	441	319	223	225	160	150	1,995	26.3	
<b>So. Atl.</b>	<b>40,819</b>	<b>2,999</b>	<b>7,373</b>	<b>4,791</b>	<b>7,871</b>	<b>5,544</b>	<b>3,998</b>	<b>3,946</b>	<b>3,192</b>	<b>2,092</b>	<b>31,999</b>	<b>25.1</b>	
DE.	833	45	115	76	114	84	62	63	45	27	492	25.3	
MD.	4,463	323	799	539	796	671	454	419	292	181	3,493	24.9	
DC.	626	46	91	71	132	90	59	60	46	31	504	22.0	
VA.	5,787	408	1,030	717	1,084	867	579	516	373	233	4,527	24.9	
WV.	1,918	122	362	214	321	256	179	184	155	106	1,477	26.3	
NC.	6,333	432	1,192	797	1,126	873	625	597	450	281	4,913	25.6	
SC.	3,377	255	682	425	605	456	312	287	226	129	2,550	27.8	
GA.	6,104	486	1,246	744	1,082	871	586	501	372	236	4,594	26.1	
FL.	11,675	782	1,848	1,207	1,831	1,475	1,131	1,329	1,233	836	9,369	22.5	
<b>E. So. Cent.</b>	<b>15,299</b>	<b>1,194</b>	<b>3,071</b>	<b>1,894</b>	<b>2,993</b>	<b>2,002</b>	<b>1,444</b>	<b>1,343</b>	<b>1,093</b>	<b>767</b>	<b>11,532</b>	<b>27.4</b>	
KY.	3,729	264	745	448	647	497	351	329	263	166	2,640	27.0	
TN.	4,893	327	823	593	833	666	476	437	349	240	3,705	25.0	
AL.	4,052	295	620	479	690	527	366	361	297	200	3,071	27.5	
MS.	2,825	216	583	324	423	314	233	216	163	131	1,916	30.5	
<b>W. So. Cent.</b>	<b>29,944</b>	<b>2,335</b>	<b>5,495</b>	<b>3,139</b>	<b>4,919</b>	<b>3,996</b>	<b>2,419</b>	<b>2,192</b>	<b>1,846</b>	<b>1,146</b>	<b>19,997</b>	<b>26.1</b>	
AR.	2,572	173	472	271	369	304	224	216	200	143	1,903	27.2	
LA.	4,501	400	947	562	821	579	392	359	276	178	3,302	29.9	
OK.	3,305	267	632	378	580	442	309	296	233	178	2,506	27.2	
TX.	16,665	1,495	3,435	1,937	3,146	2,277	1,492	1,320	997	646	12,297	29.5	
<b>Mt.</b>	<b>13,023</b>	<b>1,147</b>	<b>2,629</b>	<b>1,499</b>	<b>2,461</b>	<b>1,907</b>	<b>1,134</b>	<b>1,025</b>	<b>823</b>	<b>511</b>	<b>9,545</b>	<b>29.9</b>	
MT.	819	69	163	89	145	113	74	66	60	40	613	26.3	
ID.	1,002	69	223	110	171	141	85	72	67	45	724	31.0	
WY.	507	47	107	56	111	73	40	31	25	17	398	30.0	
CO.	3,287	267	599	375	679	510	295	246	175	119	2,499	26.0	
NM.	1,479	135	309	178	259	202	134	122	89	55	1,064	30.0	
AZ.	3,319	262	629	379	591	439	292	301	256	152	2,507	27.0	
UT.	1,995	168	431	199	309	190	117	99	81	53	1,100	37.0	
NV.	993	73	167	104	199	140	97	85	69	31	750	24.0	
<b>Pac.</b>	<b>26,737</b>	<b>2,919</b>	<b>6,491</b>	<b>3,991</b>	<b>6,994</b>	<b>5,342</b>	<b>3,297</b>	<b>3,066</b>	<b>2,327</b>	<b>1,534</b>	<b>27,997</b>	<b>26.0</b>	
WA.	4,482	339	817	499	861	683	399	356	314	206	3,442	26.0	
OR.	2,999	192	494	260	512	407	234	217	215	147	2,093	25.0	
CA.	28,981	2,235	4,874	3,029	5,216	3,997	2,523	2,352	1,719	1,129	20,947	29.0	
AK.	534	60	111	66	109	90	48	31	13	5	378	32.0	
HI.	1,062	90	196	129	196	155	94	99	66	37	907	26.0	

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, forthcoming report.

## NO. 27. STATE POPULATION PROJECTIONS: 1987 TO 2010

July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. 1, inside front cover. Minus sign (-) indicates decrease.

DIVISION, AND STATE	TOTAL (1,000)							RANK			PERCENT CHANGE	
	1987	1990	1995	2000	2005	2010	2015	1990	1995	2005	1990-1995	1990-2005
ALABAMA	343,308	345,829	347,732	349,891	350,819	357,747	362,085	(x)	(x)	(x)	10.3	7.1
ALASKA	50,140	50,278	50,425	50,577	51,293	51,810	52,496	(x)	(x)	(x)	2.0	2.4
ARIZONA	50,450	50,574	50,685	50,777	50,887	50,995	50,918	(x)	(x)	(x)	1.5	- .3
ARKANSAS	84,080	85,133	86,209	87,276	88,386	89,919	104,919	(x)	(x)	(x)	15.8	11.0
CALIFORNIA	48,658	50,544	51,413	52,261	53,093	53,422	55,622	(x)	(x)	(x)	21.1	13.7
COLORADO	12,830	12,906	12,962	12,978	13,466	13,775	14,343	(x)	(x)	(x)	5.9	5.3
CONNECTICUT	1,184	1,193	1,203	1,212	1,247	1,271	1,308	36	36	41	7.6	4.9
DELAWARE	1,089	1,089	1,116	1,142	1,251	1,233	1,455	39	38	39	24.1	16.7
FLORIDA	547	552	557	562	579	591	606	49	49	49	9.9	5.1
GEORGIA	5,838	5,849	5,893	5,890	5,965	6,087	6,255	13	13	13	2.9	3.5
HAWAII	982	989	998	1,002	1,029	1,049	1,085	43	43	42	5.8	4.6
IDaho	3,212	3,235	3,257	3,279	3,376	3,445	3,532	26	27	27	5.5	5.1
ILLINOIS	37,330	37,372	37,433	37,499	37,827	38,035	38,253	(x)	(x)	(x)	1.9	1.4
INDIANA	17,759	17,755	17,781	17,773	17,896	17,986	18,139	2	3	3	1.2	1.2
IOWA	7,687	7,759	7,827	7,899	8,252	8,546	8,980	9	9	8	7.3	8.2
KANSAS	11,874	11,890	11,844	11,827	11,899	11,503	11,134	5	5	6	- .3	-2.7
KENTUCKY	41,836	41,823	41,967	42,066	42,041	41,749	41,111	(x)	(x)	(x)	.8	-.7
LOUISIANA	10,787	10,779	10,787	10,791	10,742	10,629	10,397	7	7	7	- 1	1.5
MAINE	5,518	5,531	5,542	5,550	5,545	5,502	5,409	14	14	14	1.1	-.9
MARYLAND	11,589	11,584	11,592	11,612	11,625	11,580	11,485	6	6	6	1.6	-.3
MASSACHUSETTS	9,181	9,231	9,266	9,293	9,318	9,250	9,097	8	8	8	.3	-.5
MICHIGAN	4,791	4,797	4,803	4,806	4,811	4,784	4,713	17	19	18	2.2	-.5
MINNESOTA	17,814	17,852	17,889	17,722	17,825	17,850	17,907	(x)	(x)	(x)	3.1	.7
MISSISSIPPI	4,243	4,271	4,299	4,324	4,400	4,490	4,578	21	21	22	6.1	3.6
MISSOURI	2,626	2,603	2,780	2,758	2,549	2,362	2,362	30	31	31	-5.3	-7.6
MONTANA	5,100	5,132	5,183	5,192	5,304	5,283	5,521	15	15	15	5.6	3.7
NEBRASKA	874	889	884	890	843	829	811	47	47	48	1.1	-.4
NEVADA	707	707	708	708	711	714	722	45	45	46	2.8	.8
NEW HAMPSHIRE	1,595	1,593	1,590	1,589	1,574	1,559	1,529	37	37	37	1.2	-2.0
NEW JERSEY	2,489	2,477	2,485	2,492	2,515	2,529	2,564	32	32	33	5.4	1.5
NEW MEXICO	41,826	42,337	43,044	43,742	47,088	50,092	55,116	(x)	(x)	(x)	18.4	14.3
NEW YORK	841	849	869	886	792	734	790	46	46	46	12.0	10.2
NORTH CAROLINA	4,532	4,598	4,695	4,729	5,025	5,274	5,688	18	17	16	12.1	11.5
NORTH DAKOTA	821	817	815	814	820	834	872	(x)	(x)	(x)	-3.8	3.2
OHIO	5,883	5,977	6,089	6,157	6,551	6,877	7,410	12	12	12	15.2	11.7
OKLAHOMA	1,902	1,898	1,871	1,856	1,786	1,722	1,617	34	36	36	4.8	-7.3
OREGON	8,422	8,512	8,602	8,690	7,106	7,483	8,154	10	11	11	13.7	11.8
PENNSYLVANIA	3,420	3,464	3,507	3,549	3,740	3,906	4,206	25	25	24	13.7	10.1
RHODE ISLAND	6,244	6,384	6,524	6,663	7,336	7,957	9,045	11	10	10	22.0	19.4
SOUTH CAROLINA	11,982	12,249	12,535	12,818	14,189	15,415	17,530	4	4	4	31.5	20.3
SOUTH DAKOTA	15,310	15,498	15,505	15,597	15,978	16,295	16,847	(x)	(x)	(x)	6.3	4.4
TENNESSEE	3,733	3,739	3,742	3,745	3,745	3,733	3,710	24	24	26	2.3	-.3
TEXAS	4,848	4,891	4,933	4,972	5,135	5,298	5,500	16	16	17	8.3	5.9
UTAH	4,086	4,119	4,150	4,181	4,307	4,410	4,609	22	22	23	7.4	5.5
VIRGINIA	2,643	2,661	2,680	2,699	2,792	2,877	3,028	31	30	30	7.1	6.6
WASHINGTON	27,122	27,398	27,680	27,837	28,329	30,632	32,961	(x)	(x)	(x)	17.8	9.6
WEST VIRGINIA	2,386	2,400	2,414	2,427	2,482	2,529	2,624	33	33	32	6.1	4.2
WISCONSIN	4,504	4,507	4,510	4,513	4,517	4,516	4,545	20	20	21	7.3	1
WYOMING	3,295	3,298	3,285	3,285	3,318	3,376	3,511	27	28	26	6.6	2.8
Unaffiliated	16,937	17,192	17,451	17,712	19,012	20,211	22,281	3	2	2	24.6	14.1
Unaffiliated	13,271	13,817	13,759	13,896	15,982	16,822	17,879	(x)	(x)	(x)	33.1	14.5
Unaffiliated	814	811	808	805	796	794	784	44	44	44	2.4	-1.4
Unaffiliated	1,008	1,009	1,013	1,017	1,034	1,047	1,079	42	42	43	7.7	3.0
Unaffiliated	508	505	503	502	495	489	487	50	50	50	8.9	-2.6
Unaffiliated	3,308	3,350	3,393	3,434	3,637	3,813	4,098	26	26	26	18.8	11.0
Unaffiliated	1,518	1,557	1,595	1,632	1,806	1,988	2,246	35	35	35	25.3	20.5
Unaffiliated	3,432	3,542	3,649	3,752	4,216	4,618	5,319	23	23	20	36.0	23.1
Unaffiliated	1,694	1,722	1,750	1,778	1,893	1,991	2,171	35	34	34	21.6	12.1
Unaffiliated	983	1,021	1,049	1,076	1,198	1,303	1,464	41	41	38	34.4	21.1
Unaffiliated	36,387	37,027	37,854	38,265	41,911	43,400	47,843	(x)	(x)	(x)	26.3	13.4
Unaffiliated	4,514	4,584	4,612	4,657	4,841	4,891	5,282	19	16	18	12.7	7.2
Unaffiliated	2,716	2,733	2,750	2,766	2,829	2,877	2,991	29	29	29	5.0	4.0
Unaffiliated	27,531	28,074	28,807	29,129	31,463	33,500	37,347	1	1	1	23.1	19.0
Unaffiliated	544	554	565	576	638	687	785	48	46	47	43.4	19.2
Unaffiliated	1,081	1,101	1,121	1,141	1,243	1,345	1,558	40	40	38	18.2	17.9

NA applicable.

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, forthcoming report.

## NO. 28. WHITE AND BLACK POPULATION PROJECTIONS, BY STATE: 1986 TO 2000

[As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	WHITE						BLACK					
	Number (1,000)				Percent of total population		Number (1,000)				Percent of total population	
	1986	1990	1995	2000	1986	2000	1986	1990	1995	2000	1986	2000
<b>U.S.</b>	207,326	208,000	210,247	221,144	84.1	82.8	30,186	30,587	31,086	35,008	12.4	12.1
<b>Regions:</b>												
Northeast	43,634	43,672	43,714	43,714	84.7	84.7	5,565	5,535	5,705	5,363	11.3	12.3
Midwest	52,898	52,709	52,705	51,887	85.2	86.7	5,852	5,829	5,995	5,542	10.0	11.0
South	87,761	88,556	89,343	76,282	79.5	78.7	15,925	16,153	16,379	18,546	18.6	19.1
West	43,234	43,671	44,486	49,326	85.1	83.0	2,812	2,860	2,947	3,555	5.6	6.0
<b>NE</b>	12,131	12,187	12,283	12,788	83.8	82.7	684	684	695	702	4.6	3.1
ME	1,179	1,188	1,197	1,252	98.7	98.5	4	4	4	4	.3	.4
NH	1,070	1,066	1,122	1,300	96.2	97.5	7	7	7	10	.8	.8
VT	546	550	555	580	96.7	96.2	2	2	2	3	.4	.5
MA	5,470	5,475	5,482	5,595	93.2	91.9	275	280	284	327	4.5	5.4
RI	933	939	943	974	94.1	92.9	37	37	36	45	3.8	4.3
CT	2,933	2,948	2,984	3,089	90.4	89.1	259	264	269	313	8.2	9.1
<b>NEA</b>	31,504	31,475	31,451	31,110	83.8	81.8	4,982	5,040	5,100	5,881	13.6	14.9
NY	14,418	14,375	14,338	14,082	80.7	78.2	2,791	2,824	2,858	3,180	18.1	17.7
NJ	6,455	6,482	6,531	6,855	82.7	80.2	1,089	1,111	1,134	1,349	14.4	15.8
PA	10,631	10,608	10,582	10,193	89.5	86.8	1,101	1,105	1,108	1,131	9.4	9.8
<b>ENC</b>	36,272	36,257	36,247	35,381	86.2	84.5	4,997	5,068	5,113	5,894	12.2	13.4
OH	9,516	9,510	9,501	9,226	88.0	86.8	1,188	1,177	1,188	1,274	11.0	12.0
IN	5,024	5,027	5,029	4,922	90.6	89.5	458	463	469	513	8.4	8.3
IL	9,489	9,456	9,443	9,173	81.3	79.2	1,832	1,851	1,880	2,029	18.1	17.1
MI	7,780	7,770	7,774	7,543	83.7	81.5	1,319	1,337	1,355	1,497	14.8	16.1
WI	4,503	4,502	4,501	4,417	83.6	82.3	222	227	231	273	4.8	5.0
<b>WNC</b>	16,434	16,442	16,457	16,405	82.8	81.8	985	974	982	988	5.8	5.8
MIN	4,098	4,117	4,138	4,280	95.7	94.7	64	66	67	77	1.8	1.9
IA	2,727	2,704	2,681	2,482	97.2	96.8	50	51	52	58	1.9	2.0
MO	4,527	4,551	4,573	4,705	88.1	87.4	549	554	558	600	10.8	11.1
ND	636	631	627	592	95.0	94.0	3	3	3	4	.5	.5
SD	644	643	642	635	90.7	89.0	2	2	2	2	.3	.3
NE	1,516	1,513	1,510	1,470	95.1	94.5	53	54	54	58	3.4	3.3
KS	2,278	2,283	2,286	2,292	91.7	90.5	142	144	145	158	5.8	6.0
<b>SEA</b>	32,514	32,332	32,542	32,277	77.4	76.5	8,985	9,087	9,184	10,573	21.0	21.0
DE	519	524	526	551	79.4	78.5	125	125	128	155	18.9	21.0
MD	3,201	3,322	3,352	3,587	70.9	68.2	1,176	1,223	1,269	1,489	28.1	27.0
DC	183	184	184	193	30.0	30.5	428	423	421	430	88.8	87.0
VA	4,707	4,775	4,840	5,346	78.6	77.7	1,136	1,154	1,171	1,332	19.0	19.0
WV	1,820	1,806	1,792	1,854	96.5	96.8	57	55	54	45	2.9	2.9
NC	4,937	5,005	5,071	5,853	75.8	75.5	1,445	1,483	1,480	1,841	22.1	22.0
SC	2,382	2,421	2,451	2,684	89.1	89.0	1,043	1,065	1,087	1,170	30.1	30.0
GA	4,804	4,704	4,803	5,698	72.1	71.8	1,716	1,752	1,788	2,151	26.9	26.9
FL	10,360	10,591	10,620	12,870	84.4	83.5	1,732	1,778	1,823	2,279	14.2	14.0
<b>EAC</b>	12,235	12,361	12,384	12,782	78.3	78.5	3,070	3,088	3,123	3,354	20.0	20.0
KY	3,441	3,443	3,444	3,414	92.0	91.5	276	278	280	294	7.5	7.5
TN	4,086	4,097	4,127	4,331	83.0	82.2	792	801	810	887	16.3	16.3
AL	3,032	3,054	3,076	3,225	73.6	73.1	1,055	1,063	1,071	1,136	25.8	25.8
MS	1,685	1,705	1,717	1,812	83.8	83.0	845	854	862	1,037	35.8	35.8
<b>WBC</b>	22,713	22,934	23,137	25,192	82.8	82.2	4,006	4,048	4,083	4,520	14.5	14.5
AR	1,989	2,000	2,011	2,093	82.9	82.8	384	385	387	398	15.9	15.9
LA	3,080	3,073	3,085	2,978	85.9	85.9	1,371	1,380	1,380	1,452	30.6	30.6
OK	2,803	2,795	2,789	2,810	84.9	83.2	222	222	223	231	6.8	6.8
TX	14,841	15,056	15,272	17,311	86.2	85.7	2,037	2,071	2,104	2,439	11.9	11.9
<b>MT</b>	12,482	12,572	12,678	14,573	92.0	90.9	340	348	356	432	2.5	2.5
MT	758	755	752	734	93.4	92.5	2	2	2	2	.2	.2
ID	982	988	989	1,013	97.3	96.7	4	4	4	6	.4	.4
WY	487	485	483	487	96.3	95.4	4	4	4	4	.8	.8
CO	3,138	3,174	3,211	3,535	93.5	92.7	128	130	133	155	3.9	3.9
NM	1,371	1,404	1,438	1,711	88.0	87.0	27	28	29	34	1.7	1.7
AZ	3,184	3,278	3,369	4,108	89.8	89.0	94	98	99	123	2.7	2.7
UT	1,843	1,887	1,932	1,879	95.2	94.4	12	12	12	13	.7	.7
NV	899	922	944	1,125	87.8	86.3	89	72	74	94	6.9	6.9
<b>Pac</b>	20,772	21,189	21,598	24,784	82.8	80.1	2,473	2,532	2,581	3,123	6.8	6.8
WA	4,179	4,218	4,251	4,488	91.3	89.9	113	113	114	118	2.4	2.4
OR	2,584	2,596	2,607	2,674	94.3	92.9	43	44	44	50	1.6	1.6
CA	28,206	28,370	28,740	28,641	82.1	79.5	2,278	2,385	2,392	2,909	8.2	8.2
AK	431	439	447	519	77.5	75.8	19	19	20	23	3.4	3.4
HI	372	379	385	432	33.7	32.1	20	21	21	24	1.8	1.8

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, forthcoming report.



## No. 29. POPULATION PROJECTIONS, BY AGE—STATES: 1990 AND 2000

[In thousands. As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	1990						2000					
	Under 5 years	5-17 years	18-24 years	25-44 years	45-64 years	65 years and over	Under 5 years	5-17 years	18-24 years	25-44 years	45-64 years	65 years and over
<b>U.S.</b>	<b>16,400</b>	<b>45,620</b>	<b>25,007</b>	<b>61,555</b>	<b>46,842</b>	<b>31,550</b>	<b>16,000</b>	<b>40,816</b>	<b>34,907</b>	<b>60,703</b>	<b>61,373</b>	<b>34,862</b>
<b>Regions:</b>												
Northeast	3,367	8,513	5,123	16,300	10,106	7,060	3,003	9,004	4,421	15,854	12,179	7,340
Midwest	4,404	11,114	6,112	19,203	11,120	7,735	3,820	11,167	5,535	17,628	13,536	7,913
South	6,401	16,222	9,248	26,131	18,328	10,946	6,089	17,979	9,226	28,950	22,265	12,808
West	4,126	9,781	5,415	17,921	9,228	5,700	3,085	11,064	6,806	16,363	13,393	6,811
<b>NE</b>	<b>876</b>	<b>2,161</b>	<b>1,300</b>	<b>4,363</b>	<b>2,516</b>	<b>1,801</b>	<b>780</b>	<b>2,384</b>	<b>1,184</b>	<b>4,340</b>	<b>3,196</b>	<b>1,893</b>
ME	87	216	124	393	226	164	79	234	109	385	295	172
NH	65	169	122	390	207	130	62	247	114	431	309	149
VT	43	101	80	199	88	67	38	112	54	186	131	70
MA	364	881	627	1,982	1,122	834	344	1,024	534	1,846	1,383	855
RI	65	163	108	325	190	151	59	177	97	325	239	152
CT	212	539	326	1,071	672	456	190	591	277	887	637	466
<b>MA</b>	<b>2,511</b>	<b>6,362</b>	<b>3,753</b>	<b>11,937</b>	<b>7,640</b>	<b>5,267</b>	<b>2,314</b>	<b>6,620</b>	<b>3,237</b>	<b>11,514</b>	<b>8,984</b>	<b>5,400</b>
NY	1,190	3,046	1,821	5,890	3,626	2,391	1,078	3,111	1,594	5,633	4,189	2,472
NJ	641	1,320	773	2,547	1,648	1,089	504	1,533	677	2,628	2,032	1,175
PA	772	1,993	1,159	3,700	2,376	1,627	632	1,977	966	3,356	2,753	1,619
<b>ENC</b>	<b>3,166</b>	<b>7,834</b>	<b>4,362</b>	<b>13,606</b>	<b>7,667</b>	<b>5,264</b>	<b>2,661</b>	<b>7,896</b>	<b>3,862</b>	<b>12,601</b>	<b>9,477</b>	<b>5,400</b>
OH	790	1,983	1,107	3,435	2,065	1,401	671	1,900	962	3,152	2,444	1,440
IN	414	1,042	561	1,783	1,037	692	353	1,029	514	1,635	1,254	717
IL	654	2,142	1,180	3,766	2,160	1,445	768	2,179	1,061	3,468	2,506	1,459
MN	654	1,746	1,000	3,044	1,708	1,101	589	1,759	855	2,632	2,090	1,126
WI	363	890	484	1,541	876	545	300	908	440	1,365	1,004	657
<b>W.M.C.</b>	<b>1,344</b>	<b>3,290</b>	<b>1,740</b>	<b>5,636</b>	<b>3,353</b>	<b>2,451</b>	<b>1,139</b>	<b>3,233</b>	<b>1,663</b>	<b>5,124</b>	<b>4,969</b>	<b>2,516</b>
MI	336	795	430	1,439	774	550	269	849	412	1,339	1,021	578
IA	202	513	265	865	507	415	157	465	237	703	591	367
MO	362	946	510	1,629	995	727	336	995	492	1,682	1,245	764
ND	50	132	68	210	112	69	39	118	68	176	140	86
SD	58	142	68	214	125	101	50	143	72	194	159	102
NE	124	299	156	499	286	223	103	295	146	441	342	227
KS	183	461	251	786	453	345	166	467	252	716	567	360
<b>SA</b>	<b>2,891</b>	<b>7,391</b>	<b>4,096</b>	<b>14,161</b>	<b>8,969</b>	<b>6,967</b>	<b>2,916</b>	<b>8,637</b>	<b>4,547</b>	<b>15,962</b>	<b>11,714</b>	<b>7,183</b>
DE	49	116	71	219	126	82	47	132	67	226	182	87
MD	334	816	498	1,631	922	588	316	951	459	1,709	1,232	607
DC	31	90	69	226	118	60	26	83	66	229	141	83
VA	426	1,059	693	2,129	1,174	676	403	1,204	662	2,215	1,603	790
WV	124	345	186	561	355	267	101	300	154	422	255	155
NC	447	1,188	761	2,160	1,293	821	431	1,141	742	2,283	1,746	900
SC	263	663	407	1,157	642	396	246	720	403	1,183	800	465
GA	607	1,297	749	2,230	1,202	676	531	1,525	766	2,523	1,784	828
FL	610	1,997	1,162	3,544	2,672	2,429	613	2,431	1,210	4,141	3,762	3,096
<b>S.C.</b>	<b>1,139</b>	<b>3,008</b>	<b>1,663</b>	<b>4,916</b>	<b>2,916</b>	<b>1,964</b>	<b>1,014</b>	<b>2,867</b>	<b>1,666</b>	<b>4,766</b>	<b>3,779</b>	<b>2,148</b>
KY	270	681	403	1,194	690	470	234	672	361	1,068	877	494
TN	332	905	525	1,611	965	636	301	903	496	1,562	1,273	709
AL	307	812	441	1,312	780	528	276	835	421	1,260	1,003	584
MS	220	560	295	802	473	330	204	567	297	806	622	361
<b>W.S.C.</b>	<b>2,391</b>	<b>6,625</b>	<b>3,660</b>	<b>9,111</b>	<b>4,966</b>	<b>3,026</b>	<b>2,157</b>	<b>5,946</b>	<b>3,066</b>	<b>8,811</b>	<b>6,776</b>	<b>3,478</b>
AR	174	469	236	722	464	361	154	467	230	693	600	365
LA	377	947	485	1,449	776	480	320	909	466	1,312	966	518
OK	241	632	330	1,039	616	426	212	626	336	960	792	450
TX	1,486	3,577	1,936	5,902	3,060	1,758	1,471	3,944	2,060	6,218	4,394	2,125
<b>MT</b>	<b>1,163</b>	<b>2,818</b>	<b>1,443</b>	<b>4,667</b>	<b>2,362</b>	<b>1,903</b>	<b>1,189</b>	<b>3,162</b>	<b>1,602</b>	<b>4,744</b>	<b>3,660</b>	<b>1,816</b>
MT	60	160	75	262	146	101	50	146	75	226	191	102
WY	86	223	99	302	170	116	77	214	109	292	240	121
WY	44	107	50	162	76	42	37	100	52	150	110	41
CO	256	630	361	1,266	595	326	236	666	377	1,237	887	388
NM	146	341	186	533	280	166	151	416	186	596	419	203
AZ	306	709	385	1,187	670	406	313	876	434	1,313	1,024	655
UT	210	463	196	526	286	144	211	504	251	515	345	186
NV	73	164	106	366	209	113	72	214	121	422	334	140
<b>Pac</b>	<b>2,943</b>	<b>6,963</b>	<b>3,672</b>	<b>13,354</b>	<b>6,846</b>	<b>4,367</b>	<b>2,636</b>	<b>7,903</b>	<b>4,204</b>	<b>13,616</b>	<b>9,843</b>	<b>4,966</b>
WA	332	841	470	1,631	831	552	291	872	475	1,521	1,236	666
OR	196	466	259	866	487	371	170	507	257	862	716	372
CA	2,269	5,262	3,036	10,061	5,234	3,213	2,242	6,524	3,242	10,569	7,466	3,822
AK	54	122	70	222	87	22	59	142	76	249	132	29
HI	72	212	137	402	202	126	74	222	154	429	289	177

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, forthcoming report.

### NO. 30. METROPOLITAN AND NONMETROPOLITAN AREA POPULATION: 1950 TO 1986

[Metropolitan areas as defined by Office of Management and Budget as of year shown, except as noted. See headnote, table 31.]

ITEM	1950	1960	1970	1980 <sup>1</sup> (SMSA's)	1980 <sup>2</sup> (MSA's and CMSA's)	1985 <sup>2</sup> (MSA's and CMSA's)	1986 <sup>2</sup> (MSA's and CMSA's)
Metropolitan areas: Number of areas.....	169	212	243	318	281	281	281
Population (1,000).....	64,854	112,885	136,480	189,431	172,335	182,556	184,713
Percent change over previous year shown.....	<sup>3</sup> 22.0	33.0	23.6	21.5	(x)	5.9	1.2
Percent of total U.S. population.....	55.1	63.0	66.6	74.6	76.1	78.5	78.8
Land area, percent of U.S. land area.....	5.9	8.7	10.9	16.0	16.2	16.2	16.2
Nonmetropolitan areas, population (1,000).....	66,472	66,436	63,822	57,115	54,211	56,140	56,323

X Not applicable. <sup>1</sup> SMSA—standard metropolitan statistical area. Areas are as defined June 30, 1981. <sup>2</sup> See headnote, table 31. <sup>3</sup> Percent change from 1940.

### NO. 31. NUMBER AND POPULATION OF METROPOLITAN AREAS, BY POPULATION SIZE-CLASS IN 1960: 1970 TO 1986

[As of April 1; except 1960, as of July 1. Data exclude Puerto Rico. CMSA—consolidated metropolitan statistical area. MSA—metropolitan statistical area. PMSA—primary metropolitan statistical area. Areas are as defined by U.S. Office of Management and Budget, June 30, 1987. For definitions, see Appendix II. See also *Historical Statistics, Colonial Times to 1970*, series A 264-279.]

LEVEL AND POPULATION SIZE-CLASS OF METROPOLITAN AREA IN 1960	CMSA'S AND MSA'S					MSA'S AND PMSA'S				
	Num- ber, 1967	Popu- lation, 1970 (mil.)	Popu- lation, 1980 (mil.)	Population, 1986		Num- ber, 1967	Popu- lation, 1970 (mil.)	Popu- lation, 1980 (mil.)	Population, 1986	
				Total (mil.)	Per- cent in each class				Total (mil.)	Per- cent in each class
Total, all metropolitan areas.....	281	155.8	172.3	184.7	100.0	332	155.8	172.3	184.7	100.0
Level A (1,000,000 or more).....	35	100.1	107.8	115.3	62.4	41	96.4	92.6	99.1	53.7
2,500,000 or more.....	12	67.6	71.5	76.1	41.2	9	42.0	42.4	44.4	24.0
1,000,000-2,499,999.....	23	32.4	36.3	39.2	21.2	32	44.4	50.2	54.7	29.6
Level B (250,000-999,999).....	90	37.5	43.1	46.4	25.1	115	48.3	55.0	59.1	32.0
500,000-999,999.....	33	20.4	23.3	25.2	13.6	43	26.9	30.3	32.6	17.7
250,000-499,999.....	57	17.1	19.8	21.2	11.5	72	21.5	24.7	26.5	14.2
Level C (100,000-249,999).....	123	15.8	18.6	20.0	10.8	141	18.6	21.8	23.3	12.1
Level D (less than 100,000).....	33	2.4	2.8	3.0	1.6	35	2.6	3.0	3.2	1.7

Source of tables 30 and 31: U.S. Bureau of the Census, *U.S. Census of Population: 1950, 1960, and 1970; 1980 Census of Population*, vol. I, chapter A (PC80-1-A) and *Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-16); and press release (CB87-116).

### NO. 32. IMMIGRANTS ADMITTED BY SELECTED COUNTRY OF BIRTH AND METROPOLITAN AREA OF INTENDED RESIDENCE: 1986

[For year ending September 30, includes Puerto Rico. Includes new arrivals and persons adjusting their status. MSA—metropolitan statistical area and PMSA—primary metropolitan statistical area as defined by U.S. Office of Management and Budget, June 3 1985. See text, section 1, and Appendix II.]

METROPOLITAN AREA OF INTENDED RESIDENCE	Total <sup>1</sup>	Mexi- co	Philip- pines	South Korea	Cuba	Viet- nam	India	Domin- ican Repub- lic	China: Main- land	Ja- pan
Total <sup>2</sup> .....	601,708	66,633	62,568	35,776	33,114	29,969	26,227	26,178	25,106	19,111
New York, NY PMSA.....	64,827	544	1,872	2,813	878	612	3,100	16,536	7,024	9,111
Los Angeles-Long Beach, CA PMSA.....	62,771	11,723	7,611	5,111	2,202	3,064	1,204	39	2,552	1,111
Chicago, IL PMSA.....	21,961	4,061	2,514	1,419	413	325	2,496	77	621	1,111
Miami-Hialeah, FL PMSA.....	20,841	98	188	36	13,154	28	78	411	64	1,111
San Francisco, CA PMSA.....	18,436	512	3,814	427	51	1,183	256	5	3,193	1,111
Washington, DC-MD-VA MSA.....	15,805	91	784	1,719	99	935	980	185	631	1,111
Anaheim-Santa Ana, CA PMSA.....	13,270	1,900	938	1,078	239	2,650	436	4	365	1,111
San Jose, CA PMSA.....	12,321	1,007	2,032	544	17	2,482	628	3	636	1,111
Oakland, CA PMSA.....	10,117	657	2,357	435	22	658	448	3	823	1,111
San Diego, CA MSA.....	9,895	3,080	2,086	195	57	931	90	8	152	1,111
Newark, NJ PMSA.....	9,874	24	437	295	1,009	110	706	300	163	1,111
Boston, MA PMSA.....	9,856	25	155	217	100	806	397	496	763	1,111
Jersey City, NJ PMSA.....	8,305	18	474	114	2,863	113	716	762	67	1,111
Bergen-Passaic, NJ PMSA.....	8,087	56	380	547	239	54	621	1,080	102	1,111
Nassau-Suffolk, NY PMSA.....	7,846	47	227	399	69	91	548	630	367	1,111
Philadelphia, PA-NJ PMSA.....	7,266	41	457	1,093	29	431	689	48	275	1,111
Houston, TX PMSA.....	7,229	2,136	290	208	195	799	454	34	177	1,111
Honolulu, HI MSA.....	6,305	20	3,309	838	1	289	14	1	577	1,111
Dallas, TX PMSA.....	5,911	1,851	197	291	140	377	392	9	66	1,111
Detroit, MI PMSA.....	5,293	96	448	382	30	65	541	5	126	1,111

<sup>1</sup> Includes other countries, not shown separately. <sup>2</sup> Includes other metropolitan areas, not shown separately.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

## NO. 33. METROPOLITAN AND NONMETROPOLITAN AREA POPULATION—STATES: 1970 TO 1986

and 1986, as of April 1; 1986 as of July 1. Excludes Armed Forces abroad. Refers to 261 metropolitan statistical areas and consolidated metropolitan statistical areas as defined by U.S. Office of Management and Budget, June 30, 1987; see table B. For explanation of average annual percent change, see Guide to Tabular Presentation. For composition of regions, fig. 1, inside front cover. Sign (-) indicates decrease.

STATE, DISTRICT, AND TERRITORY	METROPOLITAN AREA POPULATION							NONMETROPOLITAN AREA POPULATION						
	Total (1,000)			Average annual percent change		Percent of State		Total (1,000)			Average annual percent change		Percent of State	
	1970	1980	1986	1970-1980	1980-1986	1970	1986	1970	1980	1986	1970-1980	1980-1986	1970	1986
<b>U.S.</b>	156,632	172,336	184,713	1.0	1.1	76.7	76.6	47,479	64,211	66,222	1.3	.8	23.3	23.4
<b>Alabama</b>	43,742	43,291	44,036	- .1	.3	88.0	88.0	5,318	5,844	5,892	.9	.4	10.8	12.0
<b>Alaska</b>	40,487	41,580	42,086	.3	.2	71.5	70.9	16,103	17,286	17,246	.7	-	26.5	26.5
<b>Arizona</b>	42,282	57,819	57,819	2.0	1.9	67.3	69.7	20,591	23,963	25,184	1.5	.8	22.7	30.3
<b>Arkansas</b>	29,320	35,975	40,791	2.0	2.0	83.7	83.7	5,518	7,188	7,830	2.7	1.5	15.5	18.3
<b>California</b>	9,822	10,029	10,278	.3	.4	82.9	83.1	2,836	2,329	2,481	1.4	.9	17.1	18.3
<b>Colorado</b>	365	404	424	1.0	.7	36.8	36.1	626	720	750	1.4	.8	63.2	63.9
<b>Connecticut</b>	404	511	578	2.9	2.0	54.8	55.4	410	448	448	2.1	1.4	43.8	43.8
<b>Delaware</b>	99	115	125	1.5	1.2	22.3	23.1	388	416	416	1.4	.8	77.7	76.9
<b>District of Columbia</b>	5,286	5,201	5,298	-.1	.2	92.8	90.8	433	506	539	1.8	1.0	7.4	9.2
<b>Florida</b>	886	876	902	-.1	.4	91.4	92.5	62	69	75	-1.7	.8	8.6	7.5
<b>Georgia</b>	2,819	2,879	2,958	.2	.4	93.0	92.6	213	228	236	.7	.5	7.0	7.4
<b>Hawaii</b>	33,321	33,372	33,788	-.3	.3	91.2	90.8	2,388	2,316	2,321	.7	-	8.8	8.4
<b>Idaho</b>	18,647	15,999	18,082	-.5	.2	91.3	90.5	1,884	1,888	1,880	.8	-	8.7	8.5
<b>Illinois</b>	7,171	7,388	7,820	.3	.5	100.0	100.0	-	-	-	-	-	-	-
<b>Indiana</b>	10,102	10,038	10,058	-.1	-	85.8	84.6	1,826	1,830	1,830	.7	-	14.4	15.4
<b>Iowa</b>	31,621	32,384	32,298	.2	-	78.5	77.2	8,842	8,479	8,482	.8	-	21.5	22.7
<b>Kansas</b>	8,586	8,521	8,521	-.1	-1	80.4	78.8	2,082	2,277	2,277	.8	-	19.6	21.2
<b>Kentucky</b>	3,551	3,719	3,743	.5	.1	68.4	68.0	1,844	1,771	1,780	.7	1	31.8	32.9
<b>Louisiana</b>	9,125	9,339	9,520	.2	.3	82.1	82.4	1,986	2,088	2,033	.5	-.4	17.9	17.8
<b>Maine</b>	7,381	7,481	7,334	.2	-.3	82.8	80.2	1,521	1,782	1,811	1.8	.3	17.1	18.8
<b>Maryland</b>	3,019	3,145	3,184	.4	.2	85.3	85.5	1,388	1,581	1,601	1.1	.4	31.7	33.5
<b>Massachusetts</b>	8,867	8,378	8,910	-.6	.7	54.3	55.8	7,461	7,887	7,787	.5	-.1	45.7	44.2
<b>Michigan</b>	2,434	2,621	2,772	.7	.9	69.9	65.8	1,373	1,456	1,442	.8	-.1	36.1	34.2
<b>Minnesota</b>	1,154	1,223	1,222	.6	-	40.8	42.9	1,871	1,891	1,829	.1	-.6	59.2	57.1
<b>Mississippi</b>	3,170	3,228	3,336	.2	.5	67.8	65.9	1,508	1,680	1,730	1.1	.4	32.2	33.1
<b>Missouri</b>	198	234	253	1.8	1.2	31.7	37.3	432	418	426	-1	.3	68.9	68.9
<b>Montana</b>	155	180	200	1.5	1.7	23.2	28.2	512	511	508	-	-.1	76.8	71.8
<b>Nebraska</b>	660	708	750	.8	.9	43.8	46.9	895	882	848	.3	-.3	56.2	53.1
<b>Nevada</b>	1,108	1,184	1,279	.7	1.2	48.3	52.0	1,180	1,180	1,182	.2	-	50.7	48.0
<b>New Hampshire</b>	32,051	26,777	30,081	1.8	1.8	71.9	73.5	8,838	18,183	18,833	1.7	1.8	28.1	28.5
<b>New Jersey</b>	388	388	418	.3	.8	70.4	68.0	162	162	215	1.9	1.5	29.6	34.0
<b>New Mexico</b>	3,688	3,820	4,147	.7	.8	89.5	92.9	255	297	317	1.5	1.0	8.5	7.1
<b>New York</b>	757	638	626	-1.7	-.3	100.0	100.0	-	-	-	-	-	-	-
<b>North Carolina</b>	3,279	3,745	4,138	1.3	1.8	70.5	71.5	1,373	1,801	1,850	1.6	.5	28.5	28.5
<b>North Dakota</b>	683	718	702	.5	.4	39.1	36.6	1,081	1,232	1,217	1.5	-.2	60.8	63.4
<b>Ohio</b>	2,755	3,204	3,484	1.5	1.3	54.2	55.0	2,330	2,878	2,847	1.4	1.0	45.8	45.0
<b>Oklahoma</b>	1,504	1,865	2,033	2.2	1.4	58.0	60.2	1,087	1,256	1,343	1.4	1.1	42.0	39.8
<b>Oregon</b>	2,807	3,403	3,822	1.9	2.3	81.2	84.3	1,781	2,182	2,182	1.5	.9	38.8	35.7
<b>Pennsylvania</b>	6,213	6,886	10,613	3.6	2.8	91.5	90.9	578	862	1,083	4.0	3.3	8.5	9.1
<b>Rhode Island</b>	6,913	7,803	8,287	1.3	.8	54.0	54.8	5,886	6,763	6,921	1.4	.4	48.9	46.6
<b>South Carolina</b>	1,550	1,877	1,886	.8	.2	48.1	45.5	1,871	2,033	2,033	1.7	.4	51.9	54.5
<b>South Dakota</b>	2,830	3,048	3,207	1.5	.8	67.0	68.8	1,286	1,543	1,586	1.7	.5	33.0	33.2
<b>Tennessee</b>	2,189	2,462	2,887	1.3	.9	83.0	84.1	1,275	1,432	1,466	1.2	.3	37.0	35.9
<b>Texas</b>	716	786	786	2.4	1.5	25.5	30.0	1,853	1,804	1,837	.8	-.3	74.5	70.0
<b>Utah</b>	13,318	16,888	19,451	2.3	2.3	88.8	72.4	6,888	6,888	7,419	1.4	1.1	81.1	27.8
<b>Vermont</b>	730	885	933	1.9	.9	38.0	39.3	1,189	1,401	1,439	1.6	.4	62.0	62.0
<b>Virginia</b>	2,439	2,892	3,110	1.7	1.2	65.9	68.1	1,205	1,314	1,314	.9	.9	33.1	30.9
<b>Washington</b>	1,432	1,724	1,936	1.9	1.8	56.0	58.5	1,127	1,301	1,370	1.4	.8	44.0	41.8
<b>West Virginia</b>	8,716	11,307	13,472	2.8	2.8	77.8	80.7	2,483	2,822	3,208	1.6	1.5	22.2	19.2
<b>Wisconsin</b>	8,155	7,283	7,283	3.4	2.6	62.2	65.2	2,136	4,110	4,467	2.7	1.4	37.8	24.5
<b>Wyoming</b>	189	189	189	1.1	.9	24.4	24.4	525	819	819	1.3	.8	75.6	75.6
<b>Unaffiliated</b>	112	173	184	4.3	1.8	15.7	19.4	801	771	808	2.5	.8	64.3	60.7
<b>Unaffiliated</b>	108	141	146	2.7	.8	32.4	28.8	225	329	381	3.8	1.5	67.6	71.2
<b>Unaffiliated</b>	1772	2,326	2,326	2.7	2.2	80.2	81.8	436	583	602	2.5	1.1	19.8	18.4
<b>Unaffiliated</b>	456	608	704	2.9	2.3	44.8	47.8	582	684	776	2.1	1.8	55.2	52.5
<b>Unaffiliated</b>	1,323	2,040	2,503	4.3	3.3	74.5	75.4	455	678	777	4.0	2.2	25.5	23.4
<b>Unaffiliated</b>	822	1,126	1,262	3.2	2.0	77.6	71.0	298	333	384	3.4	2.3	22.4	23.0
<b>Unaffiliated</b>	384	657	794	5.1	3.0	80.7	82.5	94	144	169	4.2	2.6	19.3	17.5
<b>Unaffiliated</b>	24,188	28,712	32,306	1.7	1.8	91.8	88.4	2,389	3,888	3,433	2.8	1.7	9.8	9.8
<b>Unaffiliated</b>	2,752	3,322	3,615	1.9	1.4	80.8	81.0	881	810	848	2.0	.7	19.4	19.0
<b>Unaffiliated</b>	1,415	1,783	1,818	2.2	.5	67.7	67.4	676	870	880	2.5	.2	32.3	32.6
<b>Unaffiliated</b>	18,241	22,688	25,820	1.8	2.1	95.3	95.7	730	879	1,161	2.9	2.7	3.7	4.3
<b>Unaffiliated</b>	128	174	235	3.2	4.8	41.8	44.0	178	227	288	2.6	4.4	58.2	56.0
<b>Unaffiliated</b>	631	783	817	1.9	1.1	81.8	78.8	139	202	246	3.7	3.1	18.1	22.2

Represents or rounds to zero.

Source: U.S. Bureau of the Census, press release (CB 87-116), and unpublished data.

### NO. 34. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1986, AND SELECTED CHARACTERISTICS, 1980

(1970 and 1986, as of April 1; 1980 and 1986 as of July 1. Covers 20 consolidated metropolitan statistical areas (CMSAs), their 71 component primary metropolitan statistical areas (PMSAs), and the remaining 111 MSA's with 250,000 and over population as defined by the U.S. Office of Management and Budget as of June 30, 1987. Figures for 1970 include corrections. Rank based on unrounded figures for CMSAs and MSAs only. For definitions and components of all MSAs, see Appendix II. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease.)

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980			1985 (1,000)	1988 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
		Total (1,000)	Percent—				1986	1988	1970- 1980	1980- 1988
			Black	His- panic <sup>1</sup>						
Albany-Schenectady-Troy, NY MSA	811	836	3.7	1.0	830	844	46	48	3	1
Albuquerque, NM MSA	316	420	2.3	36.8	465	474	80	75	2.8	1.9
Allentown-Bethlehem, PA-NJ MSA	584	636	1.4	2.4	651	657	54	55	7	5
Appleton-Oshkosh-Neenah, WI MSA	277	291	.2	.5	305	308	107	113	.5	.9
Atlanta, GA MSA	1,884	2,138	24.6	1.1	2,489	2,561	18	13	2.4	2.9
Atlantic City, NJ MSA	236	276	14.2	3.2	294	297	113	115	1.6	1.2
Augusta, GA-SC MSA	291	346	30.9	1.5	380	390	96	90	1.7	1.8
Austin, TX MSA	380	537	9.4	17.6	696	726	63	53	4.0	4.8
Bakersfield, CA MSA	330	403	5.2	21.6	480	494	84	73	2.0	3.3
Baltimore, MD MSA	2,069	2,200	25.5	1.0	2,252	2,280	15	18	5	.8
Baton Rouge, LA MSA	378	484	27.8	1.7	543	546	69	68	2.7	1.6
Beaumont-Port Arthur, TX MSA	348	375	21.8	3.4	380	376	68	64	.8	1
Binghamton, NY MSA	268	263	1.3	.7	262	262	123	125	-.2	-.1
Birmingham, AL MSA	794	864	27.2	.6	905	911	42	44	1.1	.5
Boston-Lawrence-Salem, MA-NH CMSA	3,938	3,972	4.4	2.3	4,052	4,056	7	7	1	.3
Boston, MA PMSA	2,897	2,806	5.8	2.4	2,832	2,824	(x)	(x)	-.3	1
Brockton, MA PMSA	183	183	3.2	1.5	186	186	(x)	(x)	1.2	.4
Lawrence-Haverhill, MA-NH PMSA	301	339	.8	3.6	362	366	(x)	(x)	1.2	1.3
Lowell, MA-NH PMSA	225	243	.8	2.2	253	254	(x)	(x)	.8	1
Nashua, NH PMSA	100	143	.7	.8	159	163	(x)	(x)	3.5	2.3
Salem-Gloucester, MA PMSA	283	258	.4	.9	259	259	(x)	(x)	-.2	(2)
Brownsville-Harlingen, TX MSA	140	210	.3	77.1	252	257	138	128	4.1	2.
Buffalo-Niagara Falls, NY CMSA	1,349	1,243	6.2	1.3	1,185	1,182	29	33	.8	—
Buffalo, NY PMSA	1,113	1,015	10.1	1.4	998	965	(x)	(x)	-.9	—
Niagara Falls, NY PMSA	236	227	4.8	.8	217	217	(x)	(x)	-.4	—
Canton, OH MSA	394	404	6.0	.9	401	400	83	86	.3	—
Charleston, SC MSA	338	430	31.0	1.5	477	486	77	74	2.5	1
Charleston, WV MSA	257	270	5.1	.5	289	286	116	122	.5	—
Charlotte-Gastonia-Rock Hill, NC-SC MSA	840	971	20.0	.8	1,063	1,065	36	35	1.4	1
Chattanooga, TN-GA MSA	371	427	14.0	.7	425	426	78	82	1.4	(-)
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	7,779	7,937	19.6	8.0	8,080	8,116	3	3	.2	—
Aurora-Elgin, IL PMSA	277	316	4.4	8.6	336	343	(x)	(x)	1.3	—
Chicago, IL PMSA	6,093	6,080	22.3	8.6	6,170	6,188	(x)	(x)	1	—
Gary-Hammond, IN PMSA	633	643	19.7	7.3	620	615	(x)	(x)	1	—
Joliet, IL PMSA	274	395	6.9	4.0	395	370	(x)	(x)	2.6	—
Kenosha, WI PMSA	118	123	2.3	2.6	121	120	(x)	(x)	.4	—
Lake County, IL PMSA	383	440	6.4	4.8	499	480	(x)	(x)	1.4	—
Cincinnati-Hamilton, OH-KY-IN CMSA	1,613	1,660	11.2	.8	1,691	1,690	20	23	.3	—
Cincinnati, OH-KY-IN PMSA	1,367	1,401	12.4	.8	1,413	1,417	(x)	(x)	1	—
Hamilton-Middletown, OH PMSA	226	259	4.7	.8	298	272	(x)	(x)	1.3	—
Cleveland-Akron-Lorain, OH CMSA	3,000	2,834	15.0	1.5	2,773	2,766	11	12	-.6	—
Akron, OH PMSA	879	680	8.1	.5	645	646	(x)	(x)	-.3	—
Cleveland, OH PMSA	2,064	1,999	18.2	1.4	1,857	1,850	(x)	(x)	-.8	—
Lorain-Elm, OH PMSA	257	275	7.2	4.8	270	271	(x)	(x)	.7	—
Colorado Springs, CO MSA	236	309	6.2	6.1	367	380	105	82	2.7	—
Columbia, SC MSA	323	410	28.8	1.3	436	445	82	78	2.4	—
Columbus, GA-AL MSA	299	239	36.0	2.3	248	251	131	131	(2)	—
Columbus, OH MSA	1,149	1,244	11.0	.7	1,287	1,299	28	29	.8	—
Corpus Christi, TX MSA	285	326	4.0	45.5	363	363	98	98	1.4	—
Dallas-Fort Worth, TX CMSA	2,352	2,931	14.3	8.5	3,526	3,666	10	8	2.2	—
Dallas, TX PMSA	1,556	1,957	16.1	9.0	2,322	2,401	(x)	(x)	2.3	—
Fort Worth-Arlington, TX PMSA	795	973	10.6	7.4	1,204	1,254	(x)	(x)	2.0	—
Davenport-Rock Island-Moline, IA-IL MSA	383	364	4.4	3.0	377	371	86	96	.6	—
Dayton-Springfield, OH MSA	975	942	12.6	.7	931	934	39	42	-.3	—
Daytone Beach, FL MSA	169	259	11.2	1.6	311	321	124	110	4.2	—
Denver-Boulder CO CMSA	1,239	1,618	4.8	10.7	1,828	1,847	21	22	2.7	—
Boulder-Longmont CO PMSA	132	190	.9	5.4	213	214	(x)	(x)	3.6	—
Denver CO PMSA	1,106	1,429	5.3	11.4	1,615	1,633	(x)	(x)	2.6	—
Des Moines, IA MSA	340	368	3.8	1.3	380	381	89	91	.8	—
Detroit-Ann Arbor MI CMSA	4,786	4,753	19.4	1.6	4,582	4,601	6	6	-.1	—
Ann Arbor, MI PMSA	234	265	10.7	1.5	262	266	(x)	(x)	1.2	—
Detroit, MI PMSA	4,554	4,488	19.9	1.6	4,330	4,335	(x)	(x)	1	—
El Paso, TX MSA	356	480	3.8	61.9	549	562	70	67	2.9	—
Ena, PA MSA	264	280	4.4	.7	279	279	111	120	.6	—
Eugene-Springfield, OR MSA	215	275	.6	2.0	284	283	115	123	2.5	—
Evansville, IN-KY MSA	256	278	5.8	.5	282	281	114	118	.8	—
Fayetteville, NC MSA	212	247	30.6	3.7	258	259	127	127	1.5	—
Fort Myers-Cape Coral, FL MSA	105	235	6.0	2.8	267	279	140	127	6.7	—
Flint, MI MSA	448	460	17.5	1.7	434	436	73	80	.1	—
Fort Wayne, IN MSA	329	354	7.5	1.5	352	356	99	101	.8	—
Fresno, CA MSA	413	515	4.9	29.3	578	586	67	64	2.2	—

See footnotes at end of table.

### 34. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1986, AND SELECTED CHARACTERISTICS, 1980—Continued

[See headnote, p. 28]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980			1985 (1,000)	1986 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
		Total (1,000)	Percent—				1980	1986	1970- 1980	1980- 1986
			Black	Hispanic						
B, MI MSA	539	602	6.3	2.3	634	649	56	58	1.1	1.2
Winston-Salem-High Point	743	852	16.0	7	894	900	44	45	1.4	.9
Spartanburg, SC MSA	473	509	17.1	.8	500	506	59	61	1.6	1.0
Lebanon-Carlisle, PA MSA	510	555	6.2	1.1	574	577	62	65	.8	.6
Bristol-Middletown, CT	1,000	1,014	7.1	4.3	1,037	1,044	36	36	1	.5
PMSA	70	74	1.4	1.5	76	76	(X)	(X)	.5	.6
JT PMSA	711	716	6.6	4.8	734	739	(X)	(X)	.1	.5
R, CT PMSA	74	82	6.3	1.7	84	84	(X)	(X)	1.0	.5
R, CT PMSA	145	142	3.4	5.0	144	144	(X)	(X)	-.2	.2
MSA	831	783	2.2	7.2	811	817	47	49	1.9	1.1
Weston-Brazoria, TX CMSA	2,169	3,101	18.2	14.5	3,008	3,634	9	9	3.6	2.5
TX PMSA	108	170	7.8	13.4	187	189	(X)	(X)	4.6	1.7
-Texas City, TX PMSA	170	199	16.5	12.0	214	215	(X)	(X)	1.4	1.5
TX PMSA	1,891	2,736	16.6	14.7	3,206	3,231	(X)	(X)	3.7	2.7
Midland, WY-KY-OH MSA	307	336	2.2	.5	331	328	97	106	.9	-.4
IN MSA	1,111	1,167	13.5	.6	1,203	1,213	30	32	5	.6
I MSA	269	362	41.3	.6	369	362	92	89	2.3	1.3
FL MSA	613	722	21.6	1.6	825	853	50	47	1.6	2.7
Kingsport-Bristol, TN-VA	374	434	2.1	.5	443	443	76	79	1.5	.4
PA MSA	263	265	1.3	.4	256	254	121	130	1	-.6
MO-KS MSA	1,373	1,433	12.6	2.3	1,489	1,518	26	26	.4	.9
I MSA	477	566	6.1	.6	589	591	66	63	1.7	.7
Clear Haven, FL MSA	229	322	15.0	3.0	368	377	101	93	3.4	2.6
A MSA	320	362	1.9	2.5	367	364	91	88	1.2	1.3
Lansing, MI MSA	378	420	5.6	3.1	417	425	61	63	1.0	.2
NY MSA	273	463	10.0	7.6	551	570	72	66	6.3	3.3
Paducah, KY MSA	267	318	11.0	.7	290	290	103	107	1.7	.7
North Little Rock, AR MSA	361	474	19.1	.9	489	489	71	72	2.2	1.0
Anaheim-Riverside, CA	9,961	11,486	9.2	24.0	12,759	13,075	2	2	1.4	2.1
Santa Ana, CA PMSA	1,421	1,833	1.3	14.6	2,127	2,167	(X)	(X)	3.1	1.6
Orange-Long Beach, CA PMSA	7,042	7,478	12.6	27.6	8,131	8,296	(X)	(X)	.6	1.7
Fullerton, CA PMSA	378	529	2.1	21.4	601	611	(X)	(X)	3.4	2.3
San Bernardino, CA PMSA	1,139	1,558	5.0	16.6	1,901	2,001	(X)	(X)	3.1	4.0
R-IN MSA	907	967	12.6	.6	984	984	36	36	.5	1
Norcross, GA MSA	235	264	33.6	.9	280	282	122	117	1.2	1.1
MSA	290	324	1.6	1.0	341	345	100	102	1.1	1.0
Abilene-DeWitt, TX MSA	182	263	.2	61.3	358	366	110	110	4.4	4.1
Tusculum-Palm Bay, FL	230	273	8.7	2.0	348	361	116	99	1.7	4.5
V-AR-MS MSA	834	913	29.9	.9	960	960	40	41	.9	.6
Jupiter, FL CMSA	1,898	2,644	14.9	23.5	2,895	2,912	12	11	3.4	1.5
Fort Lauderdale-Hollywood-Pompano	620	1,018	11.2	4.0	1,120	1,142	(X)	(X)	5.0	1.6
Fort Lauderdale, FL PMSA	1,268	1,826	17.2	36.7	1,745	1,770	(X)	(X)	2.6	1.4
Racine, WI CMSA	1,575	1,570	10.5	2.6	1,551	1,552	23	24	(-)	-.2
I, WI PMSA	1,404	1,397	10.6	2.5	1,380	1,380	(X)	(X)	-.1	-.2
N PMSA	171	173	8.0	4.2	172	172	(X)	(X)	1	-.1
St. Paul, MN-WI MSA	1,982	2,137	2.3	1.0	2,282	2,295	17	16	.6	1.1
MSA	377	444	28.6	1.0	466	470	74	76	1.6	.9
I MSA	195	266	1.2	15.0	304	317	120	111	3.1	2.8
I, AL MSA	226	273	34.7	.9	286	299	117	114	1.9	1.5
N MSA	999	961	16.1	.7	911	891	45	43	2.0	1.4
Meriden, CT MSA	489	500	10.5	3.7	509	512	66	70	.2	.4
Norwich, CT-RI MSA	243	251	3.5	1.9	258	260	125	126	.3	.5
B, LA MSA	1,100	1,100	32.6	4.0	1,330	1,334	27	27	1.3	1.0
Northern New Jersey-Long	16,193	17,539	18.1	11.7	17,919	17,968	1	1	-.4	.4
NY-NJ-CT CMSA	1,356	1,293	7.1	7.0	1,300	1,298	(X)	(X)	-.6	1
Newark, NJ PMSA	444	439	8.3	7.1	443	444	(X)	(X)	-.1	.2
CT PMSA	136	170	2.6	1.9	183	183	(X)	(X)	2.2	1.4
E, NJ PMSA	608	557	11.1	20.1	567	553	(X)	(X)	-.6	-.1
Somerset-Hunterdon, NJ	652	686	5.3	4.4	631	650	(X)	(X)	.4	1.1
Ocean, NJ PMSA	670	649	6.2	2.5	613	635	(X)	(X)	2.4	1.5
Hoboken, NY PMSA	2,556	2,605	6.2	3.9	2,630	2,636	(X)	(X)	.2	.2
NY PMSA	9,077	9,275	23.1	17.7	9,472	9,473	(X)	(X)	-.6	.4
J PMSA	1,937	1,879	21.7	6.9	1,899	1,899	(X)	(X)	-.3	1
CT PMSA	126	127	6.9	4.1	128	128	(X)	(X)	-.1	.1
Albany, NY PMSA	222	280	6.2	4.3	276	282	(X)	(X)	1.6	1.3
CT PMSA	206	199	6.4	3.7	197	195	(X)	(X)	-.4	-.3
Hills Beach-Newport News	1,059	1,180	26.1	1.6	1,280	1,310	31	28	.9	1.9
Okla. OK MSA	719	861	9.1	2.2	979	979	43	38	1.8	2.1

None at end of table.

# NO. 34. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1988, AND SELECTED CHARACTERISTICS, 1980—Continued

[See headnote, p. 29]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980			1986 (1,000)	1988 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
		Total (1,000)	Percent—				1980	1988	1970- 1980	1981- 1988
			Black	Hispanic <sup>1</sup>						
Omaha, NE-IA MSA	558	585	7.5	2.0	611	611	■	58	.5	
Orlando, FL MSA	453	700	12.9	3.7	683	688	51	48	4.3	
Pensacola, FL MSA	243	290	18.7	1.8	326	337	109	108	1.8	
Peoria, IL MSA	342	368	6.0	.9	347	340	90	103	.7	
Philadelphia-Wilmington-Trenton, PA-NJ-DE MD CMSA	5,749	5,881	18.2	2.6	5,787	5,838	4	5	-.1	
Philadelphia, PA-NJ PMSA	4,824	4,717	18.8	2.5	4,791	4,826	(X)	(X)	-.2	
Trenton, NJ PMSA	304	308	18.0	3.4	317	321	(X)	(X)	.1	
Vineland-Milville-Bridgeton, NJ PMSA	121	133	15.0	8.4	135	135	(X)	(X)	.9	
Wilmington, DE-NJ-MD PMSA	499	523	14.0	1.6	643	661	(X)	(X)	.5	
Phoenix, AZ MSA	871	1,608	9.2	13.2	1,817	1,900	24	21	4.4	
Pittsburgh-Beaver Valley, PA CMSA	2,556	2,423	7.5	.5	2,334	2,316	13	15	-.5	
Beaver County, PA PMSA	208	204	5.6	.5	195	193	(X)	(X)	.2	
Pittsburgh, PA PMSA	2,348	2,219	7.7	.5	2,139	2,123	(X)	(X)	-.8	
Portland-Vancouver OR-WA CMSA	1,047	1,298	2.6	2.0	1,350	1,384	26	26	2.1	
Portland, OR PMSA	819	1,108	2.9	2.1	1,143	1,153	(X)	(X)	1.9	
Vancouver WA PMSA	128	182	.9	1.8	207	211	(X)	(X)	4.0	
Poughkeepsie, NY MSA	222	245	7.0	2.4	254	257	128	129	1.0	
Providence-Pawtucket-Fall River, RI-MA CMSA	1,065	1,083	2.3	2.0	1,100	1,108	33	34	.2	
Fall River MA-RI PMSA	152	157	.3	1.8	157	158	(X)	(X)	.3	
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	301	307	.8	2.0	314	317	(X)	(X)	.2	
Providence, RI PMSA	812	819	3.6	2.1	829	834	(X)	(X)	.1	
Raleigh-Durham, NC MSA	448	581	28.1	.8	631	651	61	56	2.3	
Reading, PA MSA	298	313	2.5	2.9	318	321	104	108	.5	
Richmond-Petersburg, VA MSA	878	781	28.1	.9	801	810	48	50	1.2	
Rochester, NY MSA	982	971	8.0	2.0	976	980	37	39	.1	
Rockford, IL MSA	272	280	7.5	2.4	280	280	112	119	.3	
Sacramento, CA MSA	848	1,100	5.6	9.6	1,256	1,291	32	30	2.6	
Saginaw-Bay City-Midland, MI MSA	401	422	8.8	3.9	405	404	79	85	.8	
St. Louis, MO-IL MSA	2,429	2,377	17.2	.8	2,422	2,438	14	14	-.2	
Salem, OR MSA	187	250	.8	4.5	258	262	128	124	2.9	
Salinas-Seaside-Monterey, CA MSA	247	280	6.5	25.9	■	340	108	104	1.6	
Salt Lake City-Ogden, UT MSA	884	910	.9	4.9	1,025	1,041	41	37	2.9	
San Antonio, TX MSA	888	1,072	8.8	44.9	1,242	1,276	34	31	1.9	
San Diego, CA MSA	1,358	1,862	5.6	14.8	2,133	2,201	18	19	3.2	
San Francisco-Oakland-San Jose, CA CMSA	4,754	5,388	8.7	12.3	5,809	5,878	5	4	1.2	
Oakland, CA PMSA	1,628	1,762	15.0	10.5	1,810	1,834	(X)	(X)	.8	
San Francisco, CA PMSA	1,462	1,489	8.6	11.1	1,570	1,588	(X)	(X)	(X)	
San Jose, CA PMSA	1,065	1,295	3.4	17.5	1,397	1,402	(X)	(X)	2.0	
Santa Cruz, CA PMSA	124	188	.8	14.7	213	218	(X)	(X)	4.2	
Santa Rosa-Petaluma, CA PMSA	205	300	1.2	6.9	334	■	(X)	(X)	3.8	
Vallejo-Fairfield-Napa, CA PMSA	251	334	8.6	10.0	378	382	(X)	(X)	2.9	
Santa Barbara-Santa Maria-Lompoc, CA	■	■	■	■	■	■	■	■	■	■
Scranton-Wilkes-Barre, PA MSA	888	729	.8	.4	724	726	49	54	.5	
Seattle-Tacoma, WA CMSA	1,837	2,083	4.2	2.1	2,251	2,286	18	17	1.3	
Seattle, WA PMSA	1,425	1,807	3.8	2.0	1,725	1,751	(X)	(X)	1.2	
Tacoma, WA PMSA	412	486	6.1	2.7	526	533	(X)	(X)	1.8	
Shreveport, LA MSA	296	333	33.2	1.5	383	386	98	97	1.2	
Spokane, WA MSA	287	342	1.3	1.4	367	357	96	100	1.7	
Springfield, MA MSA	528	515	5.5	4.6	517	516	■	89	-.2	
Stockton, CA MSA	291	347	5.5	19.2	415	433	84	81	1.9	
Syracuse, NY MSA	637	643	4.8	.9	648	649	53	57	.1	
Tampa-St. Petersburg-Clearwater, FL MSA	1,106	1,614	9.2	5.0	1,871	1,914	22	20	3.8	
Toledo, OH MSA	806	817	10.8	2.7	811	811	55	60	.2	
Tucson, AZ MSA	352	531	2.8	21.0	585	602	64	62	4.1	
Tulsa, OK MSA	526	667	7.8	1.5	728	734	52	52	2.2	
Utica-Rome, NY MSA	340	320	2.4	.9	317	315	102	112	-.6	
Visalia-Tulare-Porterville, CA MSA	188	246	1.4	28.8	280	287	126	116	2.7	
Washington, DC-MD-VA MSA	3,040	3,251	26.8	2.9	3,494	3,583	8	■	.7	
West Palm Beach-Boca Raton-Delray Beach, FL MSA	349	577	13.4	4.9	724	756	58	51	6.0	
Wichita, KS MSA	417	442	7.4	3.0	486	470	75	77	.8	
Worcester, MA MSA	400	403	1.4	2.2	404	408	85	84	.1	
York, PA MSA	330	381	2.8	.9	393	398	87	87	1.2	
Youngstown-Warren, OH MSA	537	531	10.5	1.3	514	510	85	71	-.1	

X Not applicable    Z Less than .05 percent.    <sup>1</sup> Hispanic persons may be of any race.

Sources: U.S. Bureau of the Census, 1980 Census of Population, Supplementary Report, Metropolitan Statistical Area 81-18; and General Population Characteristics (PC80-1-B); and press releases (CB87-116).

35. RESIDENT POPULATION IN COUNTIES WITHIN 50 MILES OF COASTAL SHORELINES:  
1960 TO 1985

population as of April 1, except 1985, estimated as of July 1. Excludes Alaska and Hawaii. Covers 611 counties and cities which are entirely or substantially within 50 miles of U.S. coastal shorelines. Great Lakes region includes St. River]

YEAR	Conter-minous U.S., total	COUNTIES IN COASTAL REGIONS					Balance of conter-minous U.S.
		Total	Atlantic	Pacific	Great Lakes	Gulf of Mexico	
970 (1,000 sq. ml.) .....	2,964	469	122	118	134	94	2,496
POPULATION							
.....	178.5	92.7	41.7	16.8	26.4	7.8	85.7
.....	202.2	108.5	48.2	21.5	29.3	9.5	98.8
.....	225.2	118.4	50.7	25.4	29.8	12.6	108.7
.....	236.8	125.0	53.1	26.0	29.6	14.3	113.8
100.....	100.0	51.9	23.4	9.4	14.8	4.4	48.0
100.....	100.0	53.7	23.8	10.6	14.5	4.7	46.4
100.....	100.0	52.6	22.5	11.3	13.2	5.6	47.4
100.....	100.0	52.3	22.2	11.7	12.4	5.9	47.7

B. NUMBER OF COUNTIES AND POPULATION, 1986, BY DIVISION AND PERCENT CHANGE IN  
COUNTY POPULATION, 1980-1986

[Covers counties and county equivalents. For composition of division, see figure 1, inside front cover]

CHANGE IN POPULATION, 1980-1986	Total	New Eng- land	Mid- dle Atlan- tic	East North Central	West North Central	South Atlan- tic	East South Central	West South Central	Moun- tain	Pacific <sup>1</sup>
NUMBER OF COUNTIES										
.....	3,139	67	189	437	618	891	384	470	391	189
10.00 percent .....	45	-	-	3	13	3	2	9	13	2
.99 percent .....	281	-	7	34	154	23	15	23	21	4
.99 percent .....	397	4	23	84	138	47	36	36	21	8
10 percent .....	391	1	28	91	86	56	80	37	20	12
cent.....	362	10	28	71	86	67	67	42	17	14
percent .....	533	20	35	86	67	110	93	67	36	19
percent .....	528	20	24	60	57	118	66	107	47	29
10 percent .....	373	11	4	8	30	96	20	69	65	46
it or more .....	208	1	1	-	7	69	5	58	41	26
tribution:										
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
- 10.00 percent .....	1.4	-	-	.7	2.1	.5	.5	1.9	4.6	1.3
- 9.99 percent .....	9.0	-	4.7	7.8	24.9	3.9	4.1	4.9	7.5	2.5
- 4.99 percent .....	12.7	6.0	15.3	19.2	22.3	8.0	9.9	8.1	7.5	3.8
1.99 percent .....	12.5	1.5	18.7	20.8	13.9	9.5	16.5	7.9	7.1	7.5
percent.....	12.2	14.9	18.7	16.2	10.7	11.3	18.4	8.9	6.0	8.8
10 percent.....	17.0	29.9	23.3	19.7	10.8	16.6	25.5	14.3	12.8	11.9
10 percent.....	16.8	29.9	16.0	13.7	9.2	20.0	18.1	22.8	16.7	18.1
9.99 percent .....	11.9	16.4	2.7	1.8	4.9	16.6	5.5	18.9	23.1	30.0
ent or more .....	6.6	1.5	.7	-	1.1	11.7	1.4	12.3	14.6	16.3
RELATION, 1986 (1,000)										
.....	241,038	12,737	37,281	41,739	17,576	40,914	15,209	39,081	12,394	26,737
10.00 percent .....	388	-	-	61	79	34	19	44	141	9
.99 percent .....	10,267	-	2,847	4,071	2,154	435	233	214	122	191
.99 percent .....	18,597	297	4,334	7,989	2,007	2,182	764	474	198	385
10 percent .....	20,994	603	6,254	6,106	1,763	1,994	2,434	1,150	308	392
cent.....	32,199	4,417	6,237	11,714	2,997	1,966	2,488	1,082	279	1,000
percent .....	44,088	4,957	11,837	6,450	3,848	6,774	5,088	2,538	1,074	1,522
percent .....	38,658	1,281	5,066	4,433	2,405	9,181	2,634	5,290	1,264	7,076
10 percent .....	52,770	1,172	663	914	2,003	10,210	1,213	10,790	5,405	20,400
it or more .....	23,077	11	22	-	321	8,127	338	5,270	4,196	4,792
tribution:										
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
- 10.00 percent .....	.2	-	-	.1	.5	.1	.1	.2	1.1	(z)
- 9.99 percent .....	4.3	-	7.8	9.8	12.3	1.1	1.5	.8	.9	.5
- 4.99 percent .....	7.7	2.3	11.8	19.1	11.4	5.3	5.0	1.8	1.5	1.0
1.99 percent .....	8.7	4.7	16.6	14.6	10.0	4.8	16.0	4.3	2.4	1.1
percent.....	13.4	34.7	18.7	26.1	17.1	4.9	16.3	4.0	2.1	2.8
10 percent.....	18.3	38.9	31.8	15.5	21.9	16.6	33.5	9.4	8.3	4.3
10 percent.....	16.0	10.1	13.6	10.6	13.7	22.4	17.3	19.7	9.7	19.8
9.99 percent .....	21.9	9.2	1.8	2.2	11.4	25.0	8.0	40.2	41.6	57.1
ent or more .....	9.8	.1	.1	-	1.8	19.9	2.2	19.6	32.3	13.4

ents zero. Z Less than .05 percent. <sup>1</sup> Data for Kalawao County, Hawaii included in Maui.  
tables 35 and 36: U.S. Bureau of the Census, unpublished data.



No. 37. CITIES, BY POPULATION SIZE: 1960 TO 1986

[Covers incorporated places of 10,000 population or more]

POPULATION SIZE	NUMBER OF CITIES				POPULATION (mil.)				PERCENT OF TOTAL			
	1960	1978	1980	1985	1960	1970	1980	1986	1965	1970	1980	1986
Total.....	1,964	1,867	2,233	2,233	91.0	106.7	113.6	128.5	100.0	100.0	100.0	100.0
1,000,000 or more.....	5	6	6	8	17.5	18.8	17.5	20.0	19.2	17.8	15.4	15.4
500,000-1,000,000.....	16	20	16	15	11.1	13.0	10.9	10.0	12.2	12.3	9.6	9.6
250,000-500,000.....	30	30	34	37	10.8	10.5	12.3	13.3	11.8	9.9	10.8	10.8
100,000-250,000.....	79	97	116	122	11.4	13.9	16.8	17.9	12.5	13.1	14.8	14.8
50,000-100,000.....	160	232	254	286	12.5	16.2	17.5	19.6	13.7	15.3	15.4	15.4
25,000-50,000.....	388	455	529	563	12.7	15.7	18.4	19.4	14.0	14.9	16.2	16.2
10,000-25,000.....	978	1,127	1,278	1,302	15.1	17.6	20.1	20.4	16.5	16.7	17.7	17.7

Source: U.S. Bureau of the Census, *Census of Population: 1970 and 1980*, vol. 1; and unpublished data.

No. 38. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND LAND AREA, 1985

[Population: 1970 and 1986, as of April 1; other years, as of July 1. Data refer to municipal limits as of January 1 for 1970 and 1980 and as of December 31 prior to estimate date for all other years. For comments on comparability of race data for 1970 and 1980, see text, section 1. Minus sign (–) indicates decrease]

CITY	1970		1985			1982, total popu- lation (1,000)	1984, total popu- lation (1,000)	1986, population				1986 land area (sq mi)
	Total popula- tion <sup>1</sup> (1,000)	Per- cent Black <sup>2</sup>	Total popula- tion (1,000)	Percent—				Total (1,000)	Rank	Percent change, 1980- 1986	Per square mile	
				Black	His- panic <sup>3</sup>							
Ablene, TX.....	90	5.8	100	6.7	12.6	106	110	112	151	12.6	1,169	1,169
Akron, OH.....	275	17.5	237	22.2	.6	232	227	222	68	-6.4	3,562	
Albuquerque, NM....	245	2.2	332	2.5	33.8	342	351	367	40	10.4	2,883	
Alexandria, VA.....	111	14.1	103	22.3	3.9	104	107	106	162	4.5	7,187	
Allentown, PA.....	110	1.8	104	3.1	5.1	104	104	104	170	.6	5,963	
Amarillo, TX.....	127	5.3	149	5.5	9.2	155	163	166	96	11.1	1,915	
Anaheim, CA.....	166	(z)	219	1.2	17.2	226	234	241	63	9.7	5,366	
Anchorage, AK <sup>4</sup> .....	48	5.9	174	5.3	3.0	204	228	235	67	34.7	136	
Ann Arbor, MI.....	100	6.7	108	9.3	2.1	109	108	106	163	-.2	4,295	
Arlington, TX.....	90	.6	162	2.9	4.1	185	216	250	61	54.3	2,739	
Atlanta, GA.....	495	51.3	425	66.6	1.4	426	426	422	32	-.7	3,216	
Aurora, CO.....	75	1.2	159	6.9	5.0	184	208	218	71	37.5	3,286	
Austin, TX.....	254	11.8	373	12.2	18.7	397	426	467	27	25.2	2,618	
Bakersfield, CA.....	70	13.3	113	10.6	15.0	116	140	150	109	32.9	1,923	
Baltimore, MD.....	905	46.4	787	54.8	1.0	774	764	753	11	-4.3	9,375	
Baton Rouge, LA....	166	27.8	220	36.5	1.8	232	239	241	62	9.4	3,306	
Beaumont, TX.....	118	30.7	118	36.6	3.5	123	123	120	139	1.5	1,625	
Berkeley, CA.....	114	23.5	103	20.1	5.1	103	104	104	171	.8	9,551	
Birmingham, AL.....	301	42.0	267	55.6	.8	263	260	276	55	-3.2	2,781	
Boise City, ID.....	75	.4	102	.5	2.3	105	107	106	180	6.0	2,562	
Boston, MA.....	641	16.3	563	22.4	6.4	561	571	574	19	1.9	12,153	
Bridgeport, CT.....	157	16.3	143	21.0	18.7	144	142	142	117	-.5	9,650	
Brownsville, TX.....	53	.2	85	.2	63.7	91	96	102	174	20.1	3,533	
Buffalo, NY.....	463	20.4	358	26.6	2.7	348	339	325	48	-9.2	7,771	
Cedar Rapids, IA....	111	1.6	110	2.3	.9	109	109	106	161	-1.7	1,993	
Charlotte, NC.....	241	30.3	326	31.0	1.1	335	342	352	44	7.9	2,325	
Chattanooga, TN....	120	35.8	170	31.7	.8	166	164	162	96	-4.3	1,310	
Chesapeake, VA.....	90	23.1	114	27.6	.9	120	126	134	127	17.4	396	
Chicago, IL.....	3,369	32.7	3,005	39.8	14.0	2,997	2,992	3,010	3	.1	13,194	
Chula Vista, CA.....	68	.4	106	2.0	23.4	109	113	119	141	12.6	4,466	
Cincinnati, OH.....	454	27.6	365	33.8	.8	380	370	370	39	-4.1	4,740	
Cleveland, OH.....	751	36.3	574	43.8	3.1	559	547	536	22	-6.6	6,763	
Colorado Springs, CO.....	136	5.2	215	5.6	6.5	232	246	273	57	26.6	1,960	
Columbus, GA <sup>5</sup> .....	155	26.2	169	34.2	2.1	174	175	180	66	6.3	826	
Columbus, OH.....	540	18.5	565	22.1	.8	571	566	566	20	.2	3,024	
Concord, CA.....	85	.3	104	1.7	7.2	104	104	106	166	2.1	3,617	
Corpus Christi, TX..	205	5.1	234	5.1	46.6	246	261	264	58	12.6	1,562	
Dallas, TX.....	844	24.9	905	29.4	12.3	944	974	1,004	8	10.9	3,027	
Dayton, OH.....	243	30.5	194	36.9	.9	188	181	179	89	-7.6	3,289	
Denver, CO.....	515	9.1	493	12.0	18.8	506	505	505	23	2.5	4,728	
Des Moines, IA.....	201	5.7	191	6.8	1.8	192	191	192	78	.6	2,906	
Detroit, MI.....	1,514	43.7	1,203	63.1	2.4	1,157	1,127	1,066	6	-9.7	8,010	
Durham, NC.....	95	36.8	106	47.1	.9	109	110	114	149	5.1	2,178	
Elizabeth, NJ.....	113	15.5	106	18.2	26.7	107	107	107	165	.3	9,106	
El Paso, TX.....	322	2.3	425	3.2	62.5	445	464	492	24	15.6	2,052	
Erie, PA.....	129	6.6	119	9.7	1.1	118	117	115	147	-3.2	5,312	
Eugene, OR.....	79	.8	106	1.1	2.1	104	103	105	167	-.2	2,986	
Evansville, IN.....	139	7.3	130	8.8	.5	130	130	129	130	-.8	3,434	
Flint, MI.....	193	26.1	160	41.4	2.5	154	149	146	116	-8.8	4,462	
Fort Lauderdale, FL.....	140	14.8	153	21.0	4.2	154	150	149	112	-3.0	5,021	

See footnotes at end of table.

38. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND  
LAND AREA, 1986—Continued

[See headnote, p. 32]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population				1986, land area <sup>4</sup> (square miles)
	Total population <sup>1</sup> (1,000)	Per cent Black <sup>2</sup>	Total population (1,000)	Percent— Black	His- panic <sup>3</sup>			Total (1,000)	Rank	Percent change, 1980- 1986	Per square mile	
Albany, IL	178	10.8	177	14.6	2.2	173	170	173	94	2.6	2,921	59.2
Allen, TX	383	19.9	385	22.6	12.6	401	415	430	30	11.5	1,636	262.6
Alhambra, CA	101	(2)	132	2.5	14.0	138	144	154	108	16.4	1,959	78.4
Alhambra, CA	186	9.8	248	9.5	23.6	257	273	286	53	14.9	3,009	94.6
Alhambra, CA	86	8	102	1.6	13.5	106	107	108	159	6.4	4,899	22.2
Alhambra, CA	121	(2)	126	8	13.5	128	131	135	128	8.1	7,982	17.6
Alhambra, TX	81	3.7	139	5.3	6.3	149	160	177	91	27.1	3,146	56.1
Alhambra, TX	175	52.8	152	70.8	7.1	148	143	137	122	10.0	3,472	39.4
Alhambra, AZ	36	4	87	1.8	12.6	108	114	126	136	29.5	2,506	50.2
Alhambra, CA	133	(2)	139	3	17.6	142	147	154	107	10.5	5,022	30.8
Alhambra, MI	188	11.3	182	15.7	3.2	183	183	187	80	2.6	4,296	43.4
Alhambra, NC	144	28.2	170	33.0	8	172	174	177	80	3.7	2,427	72.8
Alhambra, VA	121	25.4	123	34.3	1.4	125	126	126	134	2.8	2,456	51.3
Alhambra, CT	158	27.9	138	33.8	20.5	136	136	139	121	1.2	7,752	17.8
Alhambra, CA	83	1.6	94	5.7	20.2	96	99	102	178	8.5	2,281	44.5
Alhambra, FL	102	1.1	145	1.5	74.3	156	152	162	100	11.4	6,336	16.4
Alhambra, FL	107	3.7	121	4.1	5.3	122	120	121	139	3	6,515	14.2
Alhambra, HS	325	7	■	1.2	5.2	386	373	372	38	1.2	4,280	87.0
Alhambra, TX	1,234	25.7	1,611	27.6	17.6	1,744	1,724	1,729	4	7.3	3,062	564.6
Alhambra, CA	116	(2)	171	7	7.9	178	179	184	83	7.7	6,751	27.2
Alhambra, AL	139	12.1	143	■	1.0	145	150	163	97	14.7	1,405	116.3
Alhambra, AL	112	6	112	7	1.4	112	112	113	150	1.0	1,401	60.8
Alhambra, IN	737	18.0	701	21.6	9	708	710	720	13	2.7	2,045	352.0
Alhambra, CA	80	11.2	94	57.3	19.2	97	99	103	172	8.9	11,522	8.9
Alhambra, TX	87	1.0	110	1.5	7.4	114	120	129	132	16.9	1,910	67.3
Alhambra, MS	154	39.7	203	47.0	7	204	209	208	74	2.7	1,983	106.2
Alhambra, FL	504	22.3	541	25.4	1.8	566	578	610	17	12.7	803	759.7
Alhambra, NJ	280	21.0	224	27.7	16.6	223	223	219	70	-1.6	16,627	13.2
Alhambra, KS	186	20.4	181	25.3	4.6	182	180	182	99	8	1,609	107.4
Alhambra, MO	507	22.1	448	27.4	3.3	445	443	441	29	-1.5	1,395	316.3
Alhambra, TN	175	12.7	175	14.6	7	175	174	173	93	-1.0	2,209	78.4
Alhambra, CO	83	1	114	5	5.8	118	121	122	137	7.3	3,001	40.7
Alhambra, MI	131	9.3	130	13.9	6.3	128	128	129	131	-1.1	3,854	36.3
Alhambra, TX	89	■	86	1	93.0	105	115	117	145	21.4	5,024	23.3
Alhambra, NV	126	11.2	165	12.6	7.8	180	183	192	79	16.3	2,860	67.2
Alhambra, KY	108	17.0	204	13.3	7	208	210	213	73	4.3	748	284.7
Alhambra, NE	150	1.5	172	2.0	1.8	177	180	183	85	6.5	3,001	61.0
Alhambra, AR	132	25.0	178	32.2	8	179	181	181	88	1.6	1,870	96.8
Alhambra, MI	110	(2)	106	1	8	101	100	101	181	4.1	2,889	34.8
Alhambra, CA	369	5.3	361	11.3	14.0	371	379	386	33	9.6	7,957	49.8
Alhambra, CA	2,812	17.9	2,988	17.0	27.5	3,022	3,097	3,259	2	9.8	6,996	465.9
Alhambra, KY	362	23.8	299	28.2	7	294	290	286	52	-4.0	4,689	61.1
Alhambra, TX	149	7.3	178	8.2	18.8	180	182	186	81	5.0	1,803	103.4
Alhambra, GA	122	37.3	117	44.5	7	119	120	118	143	1.3	2,383	49.7
Alhambra, WI	172	1.5	171	2.7	1.3	173	171	176	82	3.1	3,162	55.8
Alhambra, TN	624	38.9	646	47.6	8	646	646	653	15	1.0	2,403	271.6
Alhambra, AZ	63	1.2	162	1.2	9.1	182	206	251	80	55.2	2,739	91.8
Alhambra, FL	336	22.7	347	25.1	56.8	363	373	374	36	7.9	10,902	34.3
Alhambra, WI	717	14.7	636	23.1	4.1	■	621	605	18	4.8	6,316	95.8
Alhambra, MN	434	4.4	371	7.7	1.3	389	368	357	43	-3.8	6,476	55.1
Alhambra, AL	190	35.4	200	36.2	1.1	205	205	203	75	1.4	1,842	123.8
Alhambra, CA	62	1.8	107	2.1	10.5	114	122	133	128	24.3	4,870	27.3
Alhambra, AL	133	33.4	178	39.2	8	182	185	194	77	9.2	1,483	132.8
Alhambra, TN	426	19.6	456	23.3	8	465	462	474	26	4.0	988	479.5
Alhambra, CT	139	28.3	126	31.9	6.0	125	124	123	136	-2.1	6,532	18.8
Alhambra, LA	583	45.0	568	55.3	3.4	586	589	554	21	6	2,781	198.4
Alhambra, NY	7,886	21.1	7,072	25.2	19.8	7,086	7,185	7,283	1	2.7	24,089	301.5
Alhambra, Borough	1,472	24.3	1,189	31.6	33.8	1,183	1,173	1,194	(x)	2.1	26,633	41.7
Alhambra, Lynn	2,002	25.2	2,231	32.4	17.6	2,240	2,254	2,293	(x)	1.0	32,664	70.2
Alhambra, Lynn	1,539	24.7	1,428	21.7	23.5	1,423	1,458	1,478	(x)	3.5	86,577	22.2
Alhambra, Lynn	1,987	13.0	1,891	18.7	13.9	1,900	1,911	1,923	(x)	1.7	17,707	108.6
Alhambra, Lynn	286	5.3	362	7.3	5.4	380	371	375	(x)	6.5	6,388	58.7
Alhambra, NJ	382	54.2	329	58.2	18.6	321	314	316	50	3.9	13,122	24.1
Alhambra, NJ	138	28.4	145	31.5	1.8	151	156	162	101	11.8	2,476	85.3
Alhambra, VA	308	28.3	287	35.2	2.3	287	280	275	56	2.9	5,186	53.0
Alhambra, CA	382	34.5	339	46.9	9.6	345	352	367	42	5.2	6,623	53.9
Alhambra, TX	78	5.7	80	5.8	23.2	102	108	101	178	12.4	2,882	36.0
Alhambra, City	388	13.7	404	14.8	2.8	428	443	446	26	10.4	738	804.1
Alhambra, NE	347	9.9	343	12.0	2.3	344	348	349	45	1.9	3,517	89.3
Alhambra, CA	84	1.8	89	3.4	27.1	97	108	114	148	28.7	3,148	36.3

Footnotes at end of table.

**NO. 38. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND LAND AREA, 1985—Continued**

[See headnote, p. 32]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population				W in sq mi
	Total population <sup>1</sup> (1,000)	Per-cent Black <sup>2</sup>	Total population (1,000)	Percent—				Total (1,000)	Rank	Percent change, 1980-1986	Per square mile	
				Black	Hispanic <sup>3</sup>							
Orange, CA	77	.3	91	.9	12.4	95	97	101	180	10.2	4,436	
Orlando, FL	99	29.5	126	30.0	3.9	134	137	146	115	13.7	2,416	
Oxnard, CA	71	6.0	111	6.1	44.4	118	124	127	133	14.7	5,182	
Pasadena, CA	113	16.1	118	20.7	16.4	121	125	130	129	10.0	5,599	
Pasadena, TX	90	1	113	.8	17.0	122	119	118	144	4.9	3,080	
Paterson, NJ	145	26.9	136	34.1	26.7	139	139	139	119	.8	16,783	
Peoria, IL	127	11.5	124	16.7	1.4	122	117	110	159	11.2	2,607	
Philadelphia, PA	1,949	33.6	1,666	37.6	3.6	1,665	1,647	1,643	5	-2.7	12,060	
Phoenix, AZ	584	4.8	790	4.8	14.6	824	853	894	10	13.1	2,314	
Pittsburgh, PA	520	20.2	424	24.0	.8	415	403	387	35	-6.6	6,994	
Piano, TX	18	4.9	72	3.3	3.5	84	93	111	155	53.5	1,766	
Pomona, CA	87	12.2	93	19.0	30.5	100	107	116	146	24.6	5,066	
Portland, OR	360	5.6	397	7.6	2.1	395	394	388	34	2.3	3,417	
Portsmouth, VA	111	39.9	106	45.1	1.0	106	108	111	157	6.1	3,712	
Providence, RI	179	8.9	167	11.8	5.6	166	164	157	106	.3	6,317	
Pueblo, CO	97	2.1	102	2.1	35.5	101	100	101	177	-4	3,040	
Raleigh, NC	123	22.7	156	27.4	.9	160	170	180	87	15.4	2,325	
Reno, NV	73	2.2	101	2.7	5.1	107	108	110	154	9.6	3,093	
Richmond, VA	249	42.0	219	51.3	1.0	216	219	218	72	-7	3,622	
Riverside, CA	140	5.2	171	6.9	16.2	174	182	197	76	15.3	2,659	
Roanoke, VA	92	19.3	100	22.0	.7	100	101	102	175	1.7	2,364	
Rochester, NY	295	16.6	242	25.8	5.4	244	243	236	86	-2.4	6,900	
Rockford, IL	147	6.3	140	13.2	2.9	138	137	136	124	-2.8	3,303	
Sacramento, CA	257	10.7	276	13.4	14.2	289	304	324	49	17.3	3,329	
St. Louis, MO	622	40.8	453	45.6	1.2	437	429	426	31	-5.9	6,943	
St. Paul, MN	310	3.5	270	4.9	2.9	270	268	264	59	-2.4	5,032	
St. Petersburg, FL	216	14.8	239	17.2	1.6	241	241	239	64	.3	4,285	
Salt Lake City, UT	176	1.2	163	1.5	7.8	164	165	156	104	2.6	1,577	
San Antonio, TX	654	7.6	610	7.3	53.7	644	669	914	9	12.6	3,093	
San Bernardino, CA	107	14.0	120	14.9	25.4	126	132	139	120	15.4	2,511	
San Diego, CA	697	7.8	876	6.9	14.9	916	960	1,015	7	16.0	3,066	
San Francisco, CA	716	13.4	679	12.7	12.3	692	713	749	12	10.3	16,142	
San Jose, CA	460	2.5	629	4.6	22.3	669	696	712	14	13.1	4,204	
Santa Ana, CA	156	4.3	204	4.0	44.5	217	225	237	85	16.1	6,642	
Savannah, GA	119	44.9	142	49.0	1.3	146	145	147	114	3.6	2,586	
Scottsdale, AZ	66	.2	89	.4	3.1	94	99	111	154	25.4	610	
Seattle, WA	531	7.1	494	9.5	2.6	490	496	496	25	-1.5	5,816	
Shreveport, LA	182	34.1	207	41.1	1.3	212	221	220	89	6.5	2,479	
South Bend, IN	126	14.1	110	16.3	2.4	106	107	107	164	-2.3	2,946	
Spokane, WA	171	1.3	171	1.6	1.5	172	173	173	96	.9	3,104	
Springfield, IL	92	8.2	100	10.6	.7	100	102	100	182	.3	2,426	
Springfield, MA	164	12.6	152	16.6	9.1	152	150	149	111	-1.9	4,713	
Springfield, MO	120	2.0	133	2.1	.7	134	137	139	118	4.7	2,106	
Stamford, CT	109	12.3	102	15.0	5.6	104	102	101	179	-1.4	2,659	
Sterling Heights, MI	81	1	109	.2	.9	106	106	112	163	2.7	3,096	
Stockton, CA	110	11.0	150	10.4	22.1	162	171	183	84	22.7	4,276	
Sunnyvale, CA	96	.8	107	2.4	11.9	107	111	112	152	5.2	4,792	
Syracuse, NY	197	10.8	170	15.7	1.7	166	164	161	102	-5.5	6,754	
Tacoma, WA	154	6.6	159	9.2	2.4	161	159	159	103	.3	3,325	
Tallahassee, FL	73	25.1	106	31.6	1.6	106	113	119	140	12.5	2,042	
Tampa, FL	278	19.7	272	23.5	13.3	276	275	278	54	2.2	3,299	
Tampa, AZ	64	.7	107	1.6	8.2	113	118	136	123	27.6	3,527	
Toledo, OH	363	13.6	355	17.4	3.0	351	344	341	46	-3.9	4,041	
Topeka, KS	125	6.4	119	9.5	4.6	120	119	119	142	.1	2,246	
Torrance, CA	135	(x)	130	.7	6.3	130	133	136	125	4.4	6,613	
Tucson, AZ	263	3.5	339	3.7	24.9	355	367	359	41	6.0	2,899	
Tulsa, OK	330	10.6	361	11.6	1.7	375	375	374	37	3.6	2,096	
Virginia Beach, VA	172	9.1	262	10.0	2.0	263	309	333	47	27.2	1,476	
Waco, TX	95	19.9	101	21.6	11.1	102	104	105	166	3.9	1,360	
Warren, MI	179	(x)	181	.2	.9	156	152	150	110	-7.0	4,355	
Washington, DC	757	71.1	636	70.3	2.6	633	623	626	16	-1.9	6,994	
Waterbury, CT	106	10.1	103	11.6	6.7	103	103	102	173	-.9	3,577	
Wichita, KS	277	9.7	291	10.6	3.5	290	284	269	51	2.9	2,545	
Winston-Salem, NC	134	34.3	143	40.2	.8	145	148	148	113	3.6	2,134	
Worcester, MA	177	1.9	162	2.9	4.3	161	160	156	105	-2.5	4,216	
Yonkers, NY	204	6.4	195	10.5	6.7	192	191	186	82	-4.7	10,166	
Youngstown, OH	141	25.2	116	33.3	3.3	111	106	106	169	9.4	3,034	

X Not applicable. Z Less than .05 percent. <sup>1</sup> 1970 population totals include corrections made after tabulation completed. <sup>2</sup> Based on uncorrected tabulated data. <sup>3</sup> Hispanic persons may be of any race. <sup>4</sup> As of Decal Reflects estimates of areas annexed or detached since January 1, 1980 as provided by the municipalities. The Bureau Census cannot verify and is not responsible for the accuracy of these data. <sup>5</sup> Anchorage city consolidated with A Borough September 15, 1975. <sup>6</sup> Columbus and the unincorporated balance of Muscogee County consolidated on J 1971. <sup>7</sup> Lexington and Fayette County consolidated January 1, 1974.

Source: U.S. Bureau of the Census, *Census of Population, 1970*, vol. 1, chapters A and B; *1980 Census of Population*, chapters A and B, press release (CB 87-165) (revised 11-04-87) and unpublished data.

## POPULATION 65 YEARS OLD AND OVER, AND SOCIETAL SUPPORT RATIOS: 1960 TO 1986

\*, except as indicated. As of July. Includes Armed Forces overseas. The support ratio is the number of elderly persons of a specified age per 100 persons defined by age or work status.

GROUP	1960	1970	1980	1986	SUPPORT RATIO	1960	1970	1980	1986
65 and over.....	16.7	20.1	25.7	29.2	Persons, 65 years old and over, per 100 persons, 15-64 years old.....	17	17	19	20
all ages.....	9.2	9.8	11.3	12.1	Persons, 60 years old and over, per 100 persons, 20-59 years old.....	27	29	30	31
	6.3	7.0	8.6	9.7	Nonworkers, 65 years old and over per 100 workers, 15-64 years old <sup>1</sup> .....	21	22	23	22
	4.6	6.5	6.8	7.7	Nonworkers, 60 years old and over, per 100 workers, 20-59 years old <sup>1</sup> .....	26	■	31	30
	3.1	3.9	4.6	5.6					
1 over.....	1.6	2.3	3.0	3.4					
	.9	1.4	2.3	2.6					

are persons not in labor force and workers are persons in civilian labor force. Labor force data are monthly from the Current Population Survey, see text, section 1. Data from U.S. Bureau of Labor Statistics.

Bureau of the Census, *Current Population Reports*, series P-25, No. 1000 and earlier reports; and unpublished

## 16. PERSONS 65 YEARS OLD AND OVER—CHARACTERISTICS, BY SEX: 1960 TO 1986

CHARACTERISTIC	MALE					FEMALE				
	1960	1970	1980	1986	1986	1960	1970	1980	1986	1986
(million).....	7.6	8.5	9.8	11.0	11.3	8.9	11.5	14.2	15.6	16.1
of total population.....	8.6	8.5	9.2	8.7	9.9	9.9	11.1	12.4	13.1	13.2
	6.9	7.6	9.0	9.9	10.2	6.4	10.6	12.9	14.3	14.5
	.5	.7	.8	.9	.9	.8	.9	1.2	1.3	1.4
(percent).....	3.3	3.2	3.6	3.7	3.7	3.7	3.7	4.2	4.2	4.3
(percent).....	2.5	2.3	2.6	2.6	2.8	2.6	3.0	3.4	3.6	3.6
(percent).....	1.6	1.6	1.7	1.9	1.9	1.9	2.2	2.5	2.7	2.8
1 over (percent).....	1.2	1.4	1.6	1.7	1.7	1.6	2.3	3.0	3.4	3.4
poverty level: <sup>1</sup> 4										
holders.....	29.7	16.6	8.4	6.0	(NA)	31.6	23.5	13.0	13.0	(NA)
includes.....	66.6	40.0	25.3	20.8	(NA)	60.1	49.9	30.5	25.9	(NA)
AGE DISTRIBUTION										
1										
	7.9	7.5	4.9	5.3	6.1	6.5	7.7	5.9	6.1	6.2
	71.7	73.1	78.0	77.2	77.2	36.8	35.6	39.5	39.9	40.0
spent.....	69.0	69.9	76.1	75.0	75.3	35.0	33.9	37.9	36.3	36.3
spent.....	2.7	3.2	1.9	2.2	1.9	1.8	1.7	1.7	1.8	1.7
	19.4	17.1	13.5	13.6	13.7	63.1	64.4	51.2	50.7	50.5
	1.7	2.3	3.6	3.7	4.0	1.5	2.3	3.4	4.3	4.4
1										
	62.3	79.2	* 63.0	* 62.4	* 62.6	67.7	66.5	* 58.6	* 58.7	* 66.6
households.....	12.6	14.9	15.7	15.4	15.6	26.8	35.2	42.0	42.1	42.2
includes.....	2.4	2.4	1.3	2.2	1.6	3.0	1.9	1.1	1.1	1.2
institutions <sup>1</sup> .....	2.5	3.6	(NA)	(NA)	(NA)	2.4	4.4	(NA)	(NA)	(NA)
marital: <sup>1</sup>										
single.....	97.4	95.6	96.9	96.5	96.5	97.0	95.0	96.7	96.6	96.6
is.....	(NA)	14.1	14.9	14.7	14.9	(NA)	33.6	41.0	41.1	41.3
married.....	* 73.2	69.9	78.1	75.0	75.3	* 36.9	33.9	37.9	36.3	36.3
someone else.....	(NA)	11.5	8.9	9.8	9.3	(NA)	27.4	20.8	20.2	19.9
hold <sup>1</sup> .....	2.6	4.5	.1	.5	.5	3.0	5.0	.3	.4	.4
11 completed:										
as.....	72.5	61.5	45.3	37.2	35.8	66.4	56.1	41.8	34.1	33.2
high school.....	10.4	12.6	15.5	15.7	15.5	12.9	13.9	16.7	17.0	17.2
gh school.....	7.8	12.5	21.4	26.4	26.9	11.8	16.1	25.9	30.7	31.9
college.....	4.9	5.6	7.5	9.1	8.6	6.1	6.7	8.8	10.3	10.3
ore of college.....	4.3	7.9	10.9	11.5	12.4	3.2	6.2	7.4	6.0	7.5
rticipation: <sup>2</sup>										
	31.7	26.9	18.4	15.3	15.4	19.5	8.4	7.9	7.9	7.2
	1.4	.9	.6	.5	.5	.3	.9	.3	.2	.2
force.....	68.9	73.2	81.0	84.2	84.0	66.2	90.3	91.9	92.7	92.6

reliable. <sup>1</sup> Civilian population as of March. Beginning 1980, excludes institutional population. <sup>2</sup> Includes other men separately. <sup>3</sup> Estimated total resident population as of July 1. <sup>4</sup> Poverty status based on income in 1980. <sup>5</sup> Excludes those living in unrelated subfamilies. <sup>6</sup> Includes a small number of "spouse present" in group in institutions (1960 and 1970) and other group quarters. <sup>7</sup> Annual averages of monthly figures. Source: U.S. Bureau of Statistics, *Employment and Earnings*, monthly.

except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 418 and earlier reports; Nos. 57 and 59, series P-25, No. 1000; and series P-60, No. 156 and earlier reports; and unpublished data.

No. 41. PERSONS 65 YEARS OLD AND OVER—FAMILY CHARACTERISTICS BY LIVING ARRANGEMENTS: 1984

[In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey, Appendix III. See also tables 42, 174, 175, and 596]

ITEM	Total	LIVING—		ITEM	Total	LIVING—	
		Alone	With others			Alone	With others
Total (1,000) .....	26,433	8,397	18,036	Number of living siblings:			
PERCENT DISTRIBUTION				None.....	20.8	25.0	
Total.....	100.0	100.0	100.0	One.....	21.5	23.6	
Number of living children:				Two.....	18.7	16.7	
None.....	18.7	26.9	15.0	Three.....	13.8	12.5	
One.....	17.7	19.3	17.0	Four or more.....	25.4	22.2	
Two.....	24.7	22.6	25.6	Living children or siblings.			
Three.....	15.4	13.5	16.4	Neither.....	4.6	7.8	
Four or more.....	23.4	17.7	26.1	Children only.....	15.9	17.2	
				Siblings only.....	14.1	19.1	
				Both.....	65.3	55.9	

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

No. 42. PERSONS 65 YEARS OLD AND OVER WITH CHILDREN WHO DO NOT LIVE IN THE SAME HOUSEHOLD—CONTACTS: 1984

[In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Excludes 4 million persons 65 years old and over living with their children. Based on a supplement to the National Health Interview Survey, see Appendix III. See also tables 41, 174, and 596]

FREQUENCY OF CONTACT	Total	AGE GROUP				LIVING—	
		65-74 years old	75 years old and over	75-84 years old	85 years old and over	Alone	With others
Total (1,000).....	17,526	11,284	6,243	5,234	1,038	6,142	11
PERCENT DISTRIBUTION							
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	
Frequency of seeing or talking with child:							
Daily.....	41.4	39.8	44.3	42.6	53.2	44.5	
2 or more times per week.....	21.3	22.6	19.1	19.2	18.5	20.7	
Weekly.....	20.2	20.1	20.3	21.5	14.2	18.3	
2 or more times per month.....	6.6	6.8	6.2	6.3	5.9	5.4	
Monthly.....	5.0	5.2	4.6	5.0	2.9	4.7	
Less than monthly <sup>1</sup> .....	5.5	5.6	5.4	5.5	5.3	6.3	
Frequency of seeing child:							
Daily.....	22.6	21.5	24.6	23.7	29.5	24.0	
2 or more times per week.....	17.7	17.7	17.7	17.1	20.9	19.9	
Weekly.....	21.3	21.5	21.0	21.0	21.3	20.2	
2 or more times per month.....	8.0	8.5	7.1	7.3	6.1	7.7	
Monthly.....	7.9	7.6	8.5	8.9	6.5	7.5	
Less than monthly <sup>1</sup> .....	22.4	23.2	21.0	22.1	15.8	20.7	
Frequency of talking with child:							
Daily.....	33.5	32.6	35.2	33.8	42.5	36.4	
2 or more times per week.....	20.9	22.1	18.7	18.9	17.7	20.2	
Weekly.....	21.9	21.8	22.2	23.4	15.7	20.1	
2 or more times per month.....	7.8	8.0	7.4	7.5	6.7	6.3	
Monthly.....	6.8	7.3	5.9	6.5	2.9	6.0	
Less than monthly <sup>1</sup> .....	9.1	8.2	10.5	9.8	14.4	11.1	
Time for child to get to parent:							
Within 10 minutes.....	25.6	24.6	27.2	26.8	29.8	26.2	
10-29 minutes.....	26.6	26.5	26.6	27.8	32.9	30.5	
30-59 minutes.....	11.6	11.8	11.3	10.9	13.3	12.2	
1-2 hours.....	13.2	13.7	12.2	13.0	8.6	12.4	
3-23 hours.....	13.8	14.0	13.4	14.2	9.3	12.5	
More than a day <sup>1</sup> .....	7.3	7.3	7.1	7.3	6.3	6.3	

<sup>1</sup> Includes unknown and other responses, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

### NO. 43. SOCIAL AND ECONOMIC CHARACTERISTICS OF THE WHITE, BLACK, AND HISPANIC POPULATIONS: 1986

[As of March, except labor force status, annual average. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey, see text, section 1, and Appendix III]

CHARACTERISTIC	NUMBER (1,000)						PERCENT DISTRIBUTION					
	Total population <sup>1</sup>	White	Black	Hispanic <sup>2</sup>			Total population <sup>1</sup>	White	Black	Hispanic <sup>2</sup>		
				Total <sup>3</sup>	Mexican	Puerto Rican				Total <sup>3</sup>	Mexican	Puerto Rican
<b>Total persons</b>	235,749	201,019	25,838	18,891	11,206	2,348	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years old	18,122	14,742	2,724	1,967	1,378	256	7.7	7.3	9.5	10.9	12.3	11.0
5-14 years old	33,800	27,314	5,242	3,527	2,323	521	14.3	13.6	18.4	19.5	20.7	22.3
15-44 years old	112,782	95,268	13,845	9,253	5,726	1,178	47.8	41.4	48.5	51.1	51.1	50.3
45-64 years old	44,723	39,084	4,452	2,429	1,293	310	18.9	18.4	15.6	13.4	11.6	13.2
65 years old and over	27,321	24,829	2,273	915	481	75	11.6	12.5	8.0	5.1	4.3	3.2
<b>YEARS OF SCHOOL COMPLETED</b>												
<b>Persons 25 years old and over</b>	146,805	127,399	15,234	9,930	5,176	1,118	100.0	100.0	100.0	100.0	100.0	100.0
Elementary: 0-8 years	19,586	15,957	2,829	3,327	2,151	370	13.3	12.5	19.2	35.8	41.8	33.3
High school: 1-3 years	17,484	14,382	2,811	1,326	783	244	11.9	11.3	18.5	14.7	15.1	22.0
4 years	55,336	49,680	5,422	2,566	1,399	278	38.4	39.0	35.6	28.4	27.0	25.0
College: 1-3 years	24,729	21,708	2,406	1,051	586	125	16.9	17.1	15.8	11.6	10.6	11.3
4 years or more	26,489	25,551	1,888	780	281	94	19.4	20.1	10.9	8.4	5.4	8.4
<b>LABOR FORCE STATUS</b>												
<b>Civilians 16 years old and over</b>	180,887	155,432	19,989	12,344	7,377	1,494	100.0	100.0	100.0	100.0	100.0	100.0
Chiffon labor force	117,634	101,801	12,654	8,078	4,941	804	65.3	65.5	63.3	65.4	67.0	53.8
Employed	109,597	95,680	10,814	7,219	4,367	691	60.7	61.5	54.1	58.5	59.5	46.3
Unemployed	8,237	6,140	1,840	857	556	113	4.6	4.0	9.2	6.6	7.5	7.8
Unemployment rate <sup>4</sup>	7.0	6.0	14.5	10.6	11.2	14.0	(x)	(x)	(x)	(x)	(x)	(x)
Not in labor force	62,752	53,631	7,335	4,266	2,436	690	34.7	34.5	36.7	34.6	33.0	46.2
<b>FAMILY TYPE</b>												
<b>Total families</b>	83,889	64,991	8,821	4,286	2,484	884	100.0	100.0	100.0	100.0	100.0	100.0
With own children <sup>5</sup>	31,870	26,575	4,059	2,755	1,716	428	48.9	48.3	58.8	65.5	69.8	71.7
Married couple	50,933	45,824	3,880	2,962	1,881	300	60.1	63.5	53.2	70.4	75.4	80.6
With own children <sup>5</sup>	24,530	21,756	1,997	1,987	1,349	200	36.8	39.6	28.9	47.2	54.1	33.7
Female householder, no spouse present	10,211	7,111	2,874	980	480	271	16.1	12.9	41.5	23.3	18.4	45.6
With own children <sup>5</sup>	6,105	4,040	1,834	684	311	220	8.6	7.3	27.9	16.3	12.5	37.0
Male householder, no spouse present	2,414	1,956	368	254	152	22	3.8	3.6	6.3	6.3	6.1	3.7
With own children <sup>5</sup>	935	778	129	85	55	6	1.8	1.4	1.9	2.0	2.2	1.0
<b>FAMILY INCOME, 1986</b>												
<b>Total families</b>	83,889	64,991	8,821	4,286	2,484	884	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000	3,080	2,054	934	350	185	100	4.8	3.7	13.5	8.3	6.6	16.6
\$5,000-\$9,999	5,429	4,090	1,187	712	402	150	8.5	7.5	17.1	17.0	16.2	25.3
\$10,000-\$14,999	6,495	5,352	980	626	408	76	10.2	9.7	14.3	14.9	16.4	12.7
\$15,000-\$24,999	13,205	11,367	1,517	984	616	132	20.6	20.7	22.0	23.4	24.7	21.9
\$25,000-\$34,999	11,612	10,551	989	673	431	61	16.6	19.2	14.3	18.0	17.4	10.2
\$35,000-\$49,999	11,940	10,810	815	524	297	45	16.6	19.7	11.8	12.5	11.9	7.7
\$50,000 or more	11,618	10,786	484	336	176	32	16.3	18.6	7.0	8.1	7.0	5.5
Median income (dol.) <sup>6</sup>	27,735	29,152	16,786	19,027	19,400	12,865	(x)	(x)	(x)	(x)	(x)	(x)
Persons below poverty level <sup>7</sup>	33,084	22,860	8,929	5,236	3,220	1,011	14.0	11.4	51.3	29.0	26.8	43.3
<b>HOUSING TENURE</b>												
<b>Total occupied units</b>	88,488	75,575	9,787	5,213	(NA)	(NA)	100.0	100.0	100.0	100.0	(NA)	(NA)
Owner-occupied	56,408	51,017	4,351	2,115	(NA)	(NA)	63.6	66.6	44.5	40.6	(NA)	(NA)
Renter-occupied	32,080	25,558	5,436	3,098	(NA)	(NA)	36.2	33.4	55.5	59.4	(NA)	(NA)

NA Not available. X Not applicable. <sup>1</sup> Includes other races and persons not of Hispanic origin, not shown separately.

<sup>2</sup> Hispanic persons may be of any race. <sup>3</sup> Includes other Hispanic subgroups not shown separately. <sup>4</sup> Total unemployment as percent of civilian labor force.

<sup>5</sup> Children under 18 years old. <sup>6</sup> For definition of median, see Guide to Tabular Presentation. <sup>7</sup> For explanation of poverty level, see text, section 14.

Source: U.S. Bureau of the Census, Current Population Reports, P-60, No. 154 and P-20, No. 416. Labor force data are published by U.S. Bureau of Labor Statistics, Employment and Earnings, January 1987.

## NO. 44. NATIVE AND FOREIGN-BORN POPULATION, BY PLACE OF BIRTH: 1920 TO 1990

(In thousands, except percent. 1990 based on 20-percent sample; 1980 on 25-percent sample; 1970 on 15-percent on 1990 data are based on a sample from the 1990 census; see text, section 1. See source for sampling variability. See *Historical Statistics, Colonial Times to 1970*, series C 1-10)

YEAR	Total population	NATIVE POPULATION							FOREIGN-BORN	
		Total	Born in State of residence	Born in other States		State of birth not reported	Born in outlying areas <sup>1</sup>	Born abroad or at sea of American parents	Number	of 100
				Number	Percent of native population					
1920	106,022	92,001	71,071	20,274	22.1	314	36	93	14,030	
1930	123,303	108,919	82,678	25,388	23.4	298	136	131	14,288	
1940	132,195	120,506	82,810	28,906	22.4	280	157	122	11,657	
1950	150,845	140,413	102,788	35,284	25.2	1,370	330	98	10,431	
1960	179,328	169,589	118,293	44,801	28.4	4,541	690	402	8,736	
1970	203,310	193,581	131,718	50,838	28.2	8,973	981	1,370	9,819	
1980	220,548	212,488	144,871	65,452	30.8	(*)	1,008	1,055	14,080	

<sup>1</sup> 1920-1960, includes Alaska and Hawaii. Includes Puerto Rico. \* Includes some persons born abroad of American parents not shown separately. \* Place of birth was allocated to those who did not report.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1990*, vol. 1, part 2A; 1970, vol. 1, parts C and D; 1980 *Census of Population*, vol. 1, chapter C (PC80-1-C) and chapter D (PC80-1-D).

## NO. 45. FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH—SELECTED CHARACTERISTICS: 1990

(In percent, except as indicated. As of April 1. Based on a sample and subject to sampling variability, see text, section 1, Appendix III)

COUNTRY OF BIRTH	Foreign-born persons (1,000)	YEAR OF IMMIGRATION				Not a citizen	EDUCATION <sup>1</sup>		OCCUPATION EMPLOYED PERSONS <sup>2</sup>	
		1975-1980	1970-1974	1960-1969	Before 1960		High school graduates	College graduates <sup>3</sup>	Professional specialty	Service
Total <sup>4</sup>	14,079.8	23.7	15.8	22.3	36.2	48.5	83.1	15.6	12.0	
Europe <sup>5</sup>	4,743.3	6.1	7.6	18.1	66.2	27.7	61.4	12.3	12.6	
Austria	145.6	2.7	1.6	7.6	87.9	13.0	50.2	15.1	19.8	
Czechoslovakia	112.7	3.3	4.3	16.0	77.4	12.6	47.7	14.7	18.0	
England	442.5	14.3	7.6	22.0	56.1	42.0	74.6	16.4	17.4	
France	120.2	13.9	7.2	23.9	55.0	35.9	74.3	22.8	17.2	
Germany	848.4	6.2	4.4	20.8	68.6	21.4	67.3	14.9	12.4	
Greece	211.0	12.9	19.1	27.7	40.3	35.0	40.4	9.5	8.0	
Hungary	144.4	3.8	4.5	10.8	81.0	14.0	53.4	16.6	17.3	
Ireland	197.8	3.7	3.6	14.5	78.1	18.8	52.1	8.9	14.5	
Italy	831.9	4.0	6.1	18.2	69.8	22.8	28.8	5.3	6.1	
Netherlands	103.1	6.3	4.4	21.2	68.1	31.6	67.8	20.3	16.7	
Norway	63.4	6.0	2.3	9.5	82.2	22.2	48.6	11.8	18.4	
Poland	418.1	6.0	5.0	14.5	74.5	22.2	40.5	10.0	10.8	
Portugal <sup>6</sup>	211.8	21.7	23.3	34.0	21.0	61.6	22.3	3.3	2.3	
Romania	67.0	17.0	10.2	16.8	56.0	26.6	53.2	19.0	16.8	
Scotland	142.0	5.9	4.2	17.6	72.2	26.8	68.0	9.8	12.1	
Spain	73.7	17.0	17.9	34.4	30.6	50.9	48.9	12.7	14.1	
Sweden	77.2	7.9	2.8	6.8	80.5	23.2	48.0	11.9	16.0	
Yugoslavia	153.0	7.4	16.2	23.9	52.5	32.4	41.1	10.2	8.4	
Soviet Union	406.0	21.1	3.2	8.3	70.4	27.4	47.2	15.7	16.8	
Asia <sup>4</sup>	2,538.8	47.0	22.4	18.1	12.6	68.2	73.6	36.8	30.3	
China: Mainland	286.1	27.2	20.3	27.3	25.2	49.7	60.0	20.5	16.8	
Taiwan	75.4	54.6	26.5	17.0	1.9	71.1	69.1	59.6	30.4	
Hong Kong	80.4	34.9	27.6	30.9	6.6	61.7	60.3	42.7	19.1	
India	206.1	43.7	33.1	19.3	3.9	76.0	66.9	66.2	42.8	
Iran	121.6	71.9	12.7	9.7	5.7	65.4	67.1	42.8	26.0	
Israel	67.0	34.1	18.9	25.0	22.0	48.2	76.8	34.9	24.8	
Japan	221.8	31.6	13.6	22.7	32.1	56.7	76.0	24.4	13.6	
Korea	299.9	52.3	31.6	13.0	3.1	65.4	77.8	34.2	14.7	
Philippines	501.4	34.4	29.2	22.6	13.8	65.3	74.0	41.8	28.1	
Vietnam	231.1	60.5	7.1	2.1	.2	69.9	62.1	12.9	6.6	
Canada	942.9	9.8	5.4	29.1	64.7	38.0	61.8	14.8	16.3	
Central America <sup>4</sup>	2,583.1	33.7	24.6	22.5	18.4	75.6	86.1	4.1	3.6	
El Salvador	84.4	51.3	25.9	16.8	6.1	65.7	41.4	6.5	2.6	
Mexico	2,199.2	33.0	24.7	21.9	20.3	76.4	21.3	3.0	2.5	
Caribbean <sup>4</sup>	1,258.4	16.8	24.1	46.5	11.3	61.1	65.3	13.1	6.6	
Cuba	607.6	6.3	20.5	60.4	12.8	54.9	54.9	16.1	9.3	
Dominican Republic	189.1	31.0	25.6	37.2	6.1	74.5	30.1	4.3	3.1	
Haiti	92.4	33.6	31.0	30.8	4.8	73.9	64.4	13.4	6.3	
Jamaica	196.8	30.6	28.0	29.8	11.6	63.7	63.5	11.0	10.2	
Trinidad and Tobago	66.9	27.6	34.2	30.7	7.4	70.7	70.3	12.4	10.3	
South America <sup>4</sup>	581.0	32.6	23.6	23.6	10.7	71.1	66.0	18.4	11.1	
Argentina	68.9	25.3	17.9	40.3	16.5	61.2	70.9	24.2	16.3	
Colombia	143.5	29.6	25.4	37.1	7.9	75.1	62.6	14.6	8.1	
Ecuador	66.1	25.5	27.7	39.2	7.6	75.3	66.0	9.3	6.3	

<sup>1</sup> For persons 25 years old and over.

<sup>2</sup> Completed 4 years or more of college.

<sup>3</sup> For persons 18 years old

<sup>4</sup> Includes areas not shown separately.

<sup>5</sup> Includes persons born in Azores.

Source: U.S. Bureau of the Census, *1990 Census of Population*, vol. 1, chapter D (PC80-1-D) and unpublished



NO. 48. MARITAL STATUS OF THE POPULATION, BY SEX 1970 TO 1986

1, except percent. As of March. Persons 16 years old and over. Excludes members of Armed Forces except those post or with their families on post. Based on Current Population Survey, see text, section 1 and Appendix III. See 1 Statistics, Colonial Times to 1970, series A 160-171, for decennial data]

MARITAL STATUS AND SEX	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Male</b>	135.5	143.2	146.3	150.7	153.3	158.5	162.1	164.7	167.1	169.5	171.4	173.7
Married	21.4	25.1	27.5	29.1	30.6	32.3	33.2	34.4	35.9	36.9	36.9	37.9
Never married	95.0	99.7	100.8	101.0	101.5	104.6	105.3	105.2	106.7	107.1	107.9	106.2
Divorced	11.8	11.9	11.9	12.0	12.4	12.7	12.8	12.7	12.8	13.2	13.5	13.4
Widowed	4.3	5.5	8.0	8.8	8.8	9.9	10.6	11.5	11.6	12.3	13.1	13.6
<b>of total</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Married	16.2	17.5	18.5	19.3	20.0	20.3	20.5	20.9	21.5	21.8	21.5	21.8
Never married	71.7	69.6	69.0	67.0	66.2	65.5	64.9	64.5	63.9	63.2	63.0	62.9
Divorced	8.9	8.3	8.0	8.0	8.1	8.0	7.9	7.7	7.7	7.8	7.9	7.7
Widowed	3.2	4.6	5.4	5.7	5.8	6.2	6.7	7.0	6.9	7.3	7.8	7.9
<b>Female</b>	69.5	67.9	70.3	71.6	72.7	75.7	76.9	78.1	79.3	80.5	81.5	82.9
Married	11.8	14.1	15.4	16.1	17.0	18.0	18.4	19.1	19.9	20.5	20.5	20.9
Never married	47.1	48.4	48.9	50.1	50.3	51.8	52.1	52.5	52.9	53.0	53.5	54.5
Divorced	2.1	1.8	1.9	1.9	2.0	2.0	1.9	1.9	1.9	2.1	2.1	2.2
Widowed	1.6	2.5	3.2	3.4	3.5	3.9	4.4	4.8	4.8	4.9	5.3	5.5
<b>of total</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Married	18.9	20.6	21.9	22.5	23.3	23.6	23.9	24.5	25.1	25.5	25.2	25.9
Never married	75.3	72.6	70.9	70.1	69.2	68.4	67.8	67.2	66.6	65.8	65.7	65.5
Divorced	3.3	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.4	2.6	2.6	2.6
Widowed	2.5	3.7	4.5	4.7	4.8	5.2	5.7	5.9	5.9	6.1	6.5	6.6
<b>standardized for age:<sup>1</sup></b>												
Male	16.5	16.6	17.2	17.8	18.6	18.7	18.9	19.5	20.1	20.8	21.1	21.5
Married	77.6	76.8	75.1	74.3	73.5	72.9	72.3	71.7	71.0	70.0	69.4	69.6
Never married	3.3	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.6	2.7	2.7
Divorced	2.6	4.0	4.8	5.0	5.1	5.6	6.2	6.4	6.3	6.5	6.8	7.0
<b>Female</b>	75.0	75.3	77.8	78.3	80.6	83.5	84.2	84.8	87.7	88.9	89.8	90.9
Married	9.6	11.0	12.2	13.0	13.6	14.3	14.8	15.3	16.0	16.4	16.4	16.5
Never married	47.9	50.3	50.9	50.9	51.2	52.8	53.2	53.6	53.8	54.4	54.4	54.9
Divorced	8.7	10.1	10.0	10.1	10.4	10.6	10.8	10.8	10.9	11.1	11.4	11.3
Widowed	2.7	4.0	4.9	5.3	5.4	6.0	6.4	6.9	7.0	7.4	7.8	8.1
<b>of total</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Married	13.7	14.6	15.6	16.4	16.9	17.1	17.4	17.6	18.3	18.4	18.2	18.3
Never married	68.5	68.7	65.3	64.2	63.5	63.0	62.4	61.9	61.4	60.9	60.4	60.5
Divorced	13.9	13.4	12.9	12.7	13.0	12.8	12.7	12.5	12.4	12.5	12.6	12.4
Widowed	3.9	5.3	6.2	6.6	6.6	7.1	7.6	8.0	7.9	8.3	8.7	8.9
<b>standardized for age:<sup>1</sup></b>												
Male	12.1	12.4	13.1	13.6	14.3	14.5	14.8	15.1	15.9	16.2	16.3	16.7
Married	70.8	69.2	68.0	67.0	66.3	65.9	65.3	64.7	64.1	63.4	62.8	62.5
Never married	13.0	12.6	12.2	12.1	12.3	12.1	11.9	11.6	11.5	11.4	11.6	11.3
Divorced	4.1	5.6	6.7	7.1	7.1	7.6	8.1	8.5	8.5	8.9	9.3	9.5

1980 distribution used as standard; standardization improves comparability over time by removing effects of changes in size of population.

U.S. Bureau of the Census, Current Population Reports, series P-20, No. 416, and earlier reports.

. PERCENT MARRIED AND DIVORCED OF THE POPULATION, BY SEX AND RACE: 1970 TO 1986

16 and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX AND RACE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>White</b>												
Male	75.3	72.6	70.9	70.1	69.2	68.4	67.8	67.2	66.6	65.8	65.1	65.5
Married	76.1	73.9	72.3	71.7	70.7	70.0	69.6	69.0	68.3	67.7	67.8	67.2
Never married	68.9	62.7	59.6	57.6	55.7	54.8	53.5	53.1	52.2	50.8	50.7	51.7
Divorced	66.5	66.7	65.3	64.2	63.5	63.0	62.4	61.9	61.4	60.8	60.4	60.5
Widowed	69.3	68.0	68.7	65.9	65.2	64.7	64.1	63.7	63.3	62.8	62.7	62.4
Other races	61.7	55.5	53.5	50.3	48.0	46.7	46.1	47.3	45.7	44.5	42.7	44.5
<b>Black</b>												
Male	2.5	3.7	4.5	4.7	4.8	5.2	5.7	5.9	5.9	6.1	6.5	6.6
Married	2.4	3.6	4.4	4.5	4.5	5.0	5.5	5.7	5.7	5.9	6.4	6.6
Never married	3.6	5.1	5.4	5.9	7.2	7.0	8.1	8.1	7.4	7.0	7.6	7.4
Divorced	3.9	6.3	6.2	6.6	6.6	7.1	7.6	8.0	7.9	8.3	8.7	8.9
Widowed	3.8	6.0	6.0	6.3	6.4	6.8	7.2	7.8	7.6	8.0	8.5	8.6
Other races	5.0	7.5	8.9	9.3	8.9	9.5	10.3	9.9	10.5	11.0	11.0	11.6

16 and over, not shown separately.

U.S. Bureau of the Census, Current Population Reports, series P-20, No. 416, and earlier reports.

## No. 48. MARITAL STATUS OF THE POPULATION, BY SEX AND AGE: 1966

[As of March. Persons 15 years old and over. Excludes members of Armed Forces except those living off post or with families on post. Based on Current Population Survey; see text, section 1, and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series A 160-171, for decennial census data.]

SEX AND AGE	NUMBER OF PERSONS (1,000)					PERCENT DISTRIBUTION				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
<b>Male</b>	<b>82,327</b>	<b>20,946</b>	<b>54,298</b>	<b>2,187</b>	<b>5,487</b>	<b>100.0</b>	<b>25.3</b>	<b>66.5</b>	<b>2.8</b>	
15-19 years	3,536	3,403	131	-	3	100.0	96.2	3.7	-	
20-24 years	9,766	7,366	2,257	16	128	100.0	75.5	23.1	.2	
25-29 years	10,751	4,455	5,729	11	556	100.0	41.4	53.3	.1	
30-34 years	10,205	2,261	7,032	13	900	100.0	22.2	68.9	.1	
35-39 years	9,034	1,017	7,043	37	938	100.0	11.3	76.0	.4	
40-44 years	6,921	586	5,502	24	810	100.0	8.5	79.5	.3	
45-54 years	10,970	650	9,196	157	964	100.0	5.9	83.8	1.4	
55-64 years	10,360	606	8,882	366	713	100.0	5.9	83.7	3.6	
65-74 years	7,440	366	6,030	650	342	100.0	5.2	81.0	9.1	
75 years old and over	3,692	190	2,676	691	105	100.0	5.0	69.8	22.6	
<b>Female</b>	<b>86,891</b>	<b>16,886</b>	<b>54,948</b>	<b>11,299</b>	<b>3,091</b>	<b>100.0</b>	<b>19.3</b>	<b>66.6</b>	<b>12.4</b>	
15-19 years	3,627	3,206	398	-	24	100.0	88.4	11.0	-	
20-24 years	10,160	5,880	3,984	16	310	100.0	57.9	36.9	.2	
25-29 years	10,686	3,053	6,829	55	830	100.0	28.1	63.8	.6	
30-34 years	10,229	1,451	7,517	63	1,176	100.0	14.2	73.5	.8	
35-39 years	9,366	776	7,030	126	1,324	100.0	8.4	76.1	1.4	
40-44 years	7,245	387	5,513	185	1,149	100.0	5.3	76.1	2.8	
45-54 years	11,692	552	8,896	719	1,525	100.0	4.7	76.1	6.1	
55-64 years	11,712	459	8,236	1,967	1,050	100.0	3.9	70.3	16.8	
65-74 years	9,439	412	4,837	3,667	523	100.0	4.4	51.2	38.6	
75 years old and over	6,610	416	1,563	4,432	179	100.0	6.3	23.9	67.0	

- Represents zero or rounds to zero.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 418.

## No. 49. SINGLE (NEVER-MARRIED) PERSONS AS PERCENT OF TOTAL POPULATION, BY AGE AND SEX: 1970 TO 1986

[As of March. Persons 15 years old and over. Based on Current Population Survey; see headnote, table 48.]

AGE	MALE					FEMALE				
	1970	1975	1980	1985	1986	1970	1975	1980	1985	1986
<b>Total</b>	<b>18.3</b>	<b>25.8</b>	<b>28.8</b>	<b>25.2</b>	<b>25.2</b>	<b>13.7</b>	<b>14.6</b>	<b>17.1</b>	<b>16.2</b>	
15-19 years	92.5	93.1	94.3	97.1	95.2	75.6	77.7	82.6	86.7	
20-24 years	54.7	59.9	66.8	75.8	75.5	36.8	40.3	50.2	58.5	
25-29 years	19.1	22.3	33.1	38.7	41.4	10.5	13.8	20.9	26.4	
30-34 years	9.4	11.1	15.9	20.8	22.2	6.2	7.5	9.5	13.5	
35-39 years	7.2	6.8	7.8	10.1	11.3	5.4	5.0	6.2	8.1	
40-44 years	6.3	7.2	7.1	8.6	8.5	4.9	4.8	4.8	6.3	
45-54 years	7.5	6.3	6.1	6.3	5.9	4.9	4.6	4.7	4.6	
55-64 years	7.8	6.5	5.9	6.1	5.9	6.6	5.1	4.5	3.7	
65 years old and over	7.5	4.7	4.9	5.3	5.1	7.7	5.8	5.9	5.1	
65-74 years	8.0	4.3	5.2	5.2	5.2	7.6	5.9	5.6	4.4	
75 years old and over	6.8	5.5	4.2	5.3	5.0	7.5	5.6	6.3	6.2	

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 418, and earlier reports.

## No. 50. INTERRACIAL MARRIED COUPLES: 1970 TO 1986

[In thousands. 1970 data as of April; 1980 and 1986 data as of March. 1970, persons 14 years old and over; 1980 and 1986 persons 15 years old and over. 1980 and 1986 based on Current Population Survey; see headnote, table 48.]

ITEM	1970	1980	1986	ITEM	1970	1986
Total married couples	44,897	49,714	51,704	Other interracial married couples	245	464
Interracial married couples	310	651	827	Husband Black	8	20
All Black-White married couples	65	167	181	Wife Black	4	14
Husband Black, wife White	41	122	136	Husband White	130	267
Wife Black, husband White	24	45	45	Wife White	94	169

Source: U.S. Bureau of the Census, *Census of Population: 1970, Marital Status*, PC(2)-4C; *Current Population Reports*, series P-20, No. 419, and earlier reports.

## I. 51. MARITAL STATUS OF THE BLACK AND HISPANIC POPULATIONS: 1970 TO 1986

except as noted. Black population: Persons 18 years old and over. Hispanic population: 1970 and 1970, persons and over; thereafter, 18 and over. Except as noted, based on Current Population Survey, see headnote, table 48]

SEX AND YEAR	NUMBER OF PERSONS (1,000)					PERCENT DISTRIBUTION				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
<b>BLACK</b>										
.....	12,972	2,868	8,310	1,427	567	100.0	20.6	64.1	11.0	4.4
.....	14,262	3,449	8,373	1,521	920	100.0	24.2	58.7	10.7	6.5
.....	16,638	5,070	8,545	1,627	1,396	100.0	30.5	51.4	9.8	8.4
.....	18,607	6,439	8,611	1,791	1,764	100.0	34.6	46.3	9.6	9.5
.....	18,940	6,439	9,038	1,830	1,837	100.0	34.0	47.7	8.8	9.7
.....	5,898	1,435	3,944	307	212	100.0	24.3	66.9	5.2	3.6
.....	6,388	1,733	3,990	319	327	100.0	27.2	62.7	5.0	5.1
.....	7,416	2,540	4,051	308	517	100.0	34.3	54.6	4.2	7.0
.....	8,325	3,149	4,217	324	636	100.0	37.8	50.7	3.9	7.8
.....	8,501	3,155	4,391	328	626	100.0	37.1	51.7	3.9	7.4
.....	7,074	1,233	4,386	1,120	355	100.0	17.4	61.7	15.8	5.0
.....	7,894	1,718	4,383	1,202	593	100.0	21.7	55.5	15.2	7.5
.....	9,222	2,530	4,494	1,319	676	100.0	27.4	48.7	14.3	9.5
.....	10,281	3,290	4,394	1,468	1,128	100.0	32.0	42.7	14.3	11.0
.....	10,441	3,284	4,645	1,301	1,211	100.0	31.5	44.5	12.5	11.6
<b>HISPANIC<sup>1</sup></b>										
.....	5,872	1,718	3,686	267	201	100.0	29.3	62.4	4.9	3.4
.....	7,284	2,293	4,378	298	296	100.0	31.6	60.3	4.1	4.1
.....	7,888	1,901	5,176	350	466	100.0	23.1	65.6	4.4	5.8
.....	10,848	2,789	6,799	553	727	100.0	25.5	62.7	5.1	6.7
.....	11,600	3,042	7,153	535	872	100.0	26.2	61.7	4.6	7.5
.....	2,838	914	1,801	56	67	100.0	32.2	63.5	2.0	2.3
.....	3,520	1,277	2,103	42	98	100.0	36.3	59.7	1.2	2.8
.....	3,787	1,035	2,541	60	151	100.0	27.3	67.1	1.6	4.0
.....	5,322	1,640	3,272	124	286	100.0	30.8	61.5	2.3	5.4
.....	5,754	1,848	3,468	100	338	100.0	32.1	60.3	1.7	5.9
<b><sup>2</sup></b>										
.....	3,033	804	1,894	231	134	100.0	26.5	61.5	7.8	4.4
.....	3,744	1,016	2,275	256	196	100.0	27.1	60.8	5.8	5.3
.....	4,101	885	2,635	291	310	100.0	21.1	64.3	7.1	7.6
.....	5,526	1,128	3,525	430	442	100.0	20.4	63.8	7.8	8.0
.....	5,846	1,195	3,683	434	534	100.0	20.4	63.0	7.4	9.1

persons may be of any race. <sup>2</sup> As of April.

<sup>1</sup> Bureau of the Census, *Census of Population: 1970, PC(2)1C, Persons of Spanish Origin; Current Population Reports*, P-20, No. 418 and earlier reports; and unpublished data.

## NEVER-MARRIED PERSONS 25-54 YEARS OLD WHO WERE DIVORCED OR SEPARATED AT TIME OF SURVEY, BY RACE, SEX, AND AGE: 1970 TO 1986

[As of March. Based on Current Population Survey, see headnote, table 48]

YEAR, SEX, AND AGE	EVER MARRIED (1,000)			PERCENT DIVORCED			PERCENT SEPARATED		
	Total <sup>1</sup>	White	Black	Total <sup>1</sup>	White	Black	Total <sup>1</sup>	White	Black
<b>total</b> .....	31,304	28,189	2,817	3.3	3.1	5.5	1.8	1.1	9.4
<b>males</b> .....	10,402	9,318	975	3.0	2.9	3.9	1.6	1.2	5.1
<b>females</b> .....	10,518	9,464	953	3.0	2.6	5.8	2.1	1.1	11.6
<b>males</b> .....	10,384	9,407	889	3.9	3.7	6.7	1.9	1.0	11.7
<b>total</b> .....	34,299	30,401	3,505	5.2	5.0	7.7	3.3	1.8	16.3
<b>males</b> .....	11,580	10,220	1,236	5.0	4.7	6.6	3.8	2.1	17.6
<b>females</b> .....	11,284	9,917	1,188	5.6	5.3	8.8	3.1	1.8	16.3
<b>males</b> .....	11,445	10,264	1,081	5.1	4.9	7.6	3.1	1.9	14.9
<b>total</b> .....	35,328	31,422	3,062	8.2	7.9	12.6	3.0	2.3	10.4
<b>males</b> .....	13,550	12,021	1,154	8.6	8.6	10.8	3.3	2.7	9.5
<b>females</b> .....	11,505	10,239	1,020	6.8	6.1	16.2	2.9	2.2	10.2
<b>males</b> .....	10,271	9,162	888	7.1	6.7	10.7	2.6	1.7	11.8
<b>total</b> .....	39,189	34,083	4,066	11.0	10.5	16.5	4.5	2.9	16.7
<b>males</b> .....	15,694	13,650	1,591	11.6	11.2	16.5	5.4	3.6	21.2
<b>females</b> .....	12,271	10,625	1,320	11.5	10.9	17.5	4.5	2.7	19.2
<b>males</b> .....	11,204	9,818	1,155	9.7	9.0	15.5	3.4	2.1	14.8
<b>total</b> .....	38,912	34,205	3,520	10.7	10.7	13.2	3.4	2.7	11.1
<b>males</b> .....	14,240	12,543	1,288	10.2	10.5	9.4	4.4	3.5	13.3
<b>females</b> .....	14,352	12,644	1,254	12.2	11.9	17.0	3.0	2.5	9.0
<b>males</b> .....	10,320	9,018	978	9.3	9.1	13.4	2.7	1.7	11.0
<b>total</b> .....	43,111	37,212	4,412	13.9	13.4	20.7	4.5	3.3	15.2
<b>males</b> .....	16,593	14,382	1,642	12.1	11.9	15.6	5.2	4.1	15.8
<b>females</b> .....	15,378	13,243	1,566	16.1	15.5	24.6	4.4	3.2	14.5
<b>males</b> .....	11,140	9,577	1,202	13.7	12.6	22.6	3.6	2.2	15.1

other races not shown separately.

<sup>1</sup> Bureau of the Census, *Current Population Reports*, series P-20, No. 418, and earlier reports.

### NO. 53. DIVORCED PERSONS PER 1,000 MARRIED PERSONS WITH SPOUSE PRESENT, BY SEX, RACE AND AGE: 1970 TO 1986

(As of March, 1979 and 1975, persons 14 years old and over; beginning 1986, 15 years old and over. See headnote, table 4)

YEAR	Total	Male	Female	SEX AND YEAR	RACE		AGE			
					White	Black	15-29 years	30-44 years	45-64 years	65 years and over
1970	47	24	60	Male: 1970	32	82	126	39	40	
1975	89	44	64	1980	74	148	78	104	70	
1980	100	70	120	1985	86	179	100	138	93	
1982	114	82	137	1986	102	189	91	143	88	
1983	114	91	137	Female: 1970	56	111	146	61	66	
1984	121	96	148	1980	110	258	106	147	112	
1985	129	103	153	1985	142	326	117	180	151	
1986	131	106	157	1986	145	332	112	184	156	

<sup>1</sup> 14-29 years.

### NO. 54. UNMARRIED COUPLES, BY SELECTED CHARACTERISTICS, 1970 TO 1986, AND BY MARITAL STATUS OF PARTNERS, 1986

(In thousands. As of March, except 1975, as of April. An "unmarried couple" is two unrelated adults of the opposite sex sharing the same household. See headnote, table 56)

PRESENCE OF CHILDREN AND AGE OF HOUSEHOLDER	1970	1980	1985	1986	MARITAL STATUS OF MALE	Total	MARITAL STATUS OF FEMALE			
							Never married	Divorced	Widowed	Male in household
Unmarried couples	622	1,588	1,983	2,220	Total, 1986	2,220	1,181	729	198	1
No children under 15 yr.	1,327	1,159	1,380	1,558	Never married	1,178	641	248	34	
Some children under 15 yr.	196	431	603	662	Divorced	772	245	416	69	
Under 25 yr. old	55	411	425	489	Widowed	82	11	18	47	
25-44 yr. old	103	837	1,203	1,344	Married, wife absent	188	84	51	11	
45-64 yr. old	186	221	239	277						
65 yr. old and over	178	119	116	110						

<sup>1</sup> Children in unmarried-couple households are under 14 years old.

Source of tables 53 and 54: U.S. Bureau of the Census, 1970 Census of Population, vol. II, part 4B, and Current Population Reports, series P-20, No. 416 and earlier reports.

### NO. 55. HOUSEHOLDER AND MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER: 1986

(In thousands, except percent. As of March. See headnote, table 47)

HOUSEHOLDER AND MARITAL STATUS	Total, 15 yrs. and over <sup>1</sup>	MALE					FEMALE				
		Total <sup>1</sup>	20-24 years	25-44 years	45-64 years	65 yr. and over	Total <sup>1</sup>	20-24 years	25-44 years	45-64 years	65 yr. and over
Total persons	184,828	88,474	9,788	36,911	21,226	11,272	96,354	10,180	37,650	23,464	16,864
Householder	88,458	81,038	3,215	28,347	19,159	10,094	27,420	1,862	10,082	6,792	28,0
Single	11,808	6,026	1,287	3,502	718	396	5,782	1,284	3,128	600	600
Married, spouse present	50,933	47,976	1,790	21,870	16,211	7,996	2,957	215	1,824	807	807
Married, spouse absent	4,084	1,533	66	804	609	156	2,551	200	1,428	690	690
Widowed	11,363	1,664	6	58	397	1,203	9,698	11	391	2,437	1
Divorced	10,289	3,839	58	2,114	1,324	343	6,450	151	3,494	2,199	2,199
Not householder	96,370	27,436	6,572	8,566	2,160	1,178	68,934	8,298	27,568	16,612	16,612
Single	36,722	20,644	6,100	4,819	540	182	16,178	4,596	2,553	361	361
Married, spouse present	52,475	3,728	290	1,967	939	497	48,747	3,361	23,594	15,502	15,502
Married, spouse absent	1,834	1,043	102	665	201	57	791	178	396	131	131
Widowed	2,053	502	10	27	126	337	1,551	5	59	280	280
Divorced	3,286	1,619	70	1,088	363	104	1,667	158	986	377	377
PERCENT DISTRIBUTION											
Total persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Householder	47.9	89.0	32.8	76.8	89.9	89.5	28.5	18.3	26.7	28.0	28.0
Single	6.4	6.8	13.1	9.5	3.4	3.5	6.0	12.6	8.3	2.8	2.8
Married, spouse present	27.6	54.2	18.4	59.3	76.0	70.9	3.1	2.1	4.3	3.4	3.4
Married, spouse absent	2.2	1.7	.7	2.2	2.4	1.4	2.6	2.0	3.8	2.9	2.9
Widowed	6.1	1.9	.1	.2	1.9	10.7	10.1	.1	1.0	10.4	10.4
Divorced	5.6	4.3	.6	5.7	6.2	3.0	6.7	1.5	9.3	9.4	9.4
Not householder	52.1	31.0	67.1	23.2	10.1	10.5	71.5	81.7	73.3	71.0	71.0
Single	19.9	23.2	62.3	13.1	2.5	1.8	16.8	45.2	8.8	1.5	1.5
Married, spouse present	28.4	4.2	3.0	5.3	4.4	4.4	50.6	33.1	62.7	65.3	65.3
Married, spouse absent	1.0	1.2	1.0	1.8	.9	.5	.8	1.8	1.1	.6	.6
Widowed	1.1	.6	.1	.1	.8	3.0	1.6	.1	.2	1.1	1.1
Divorced	1.8	1.8	.7	2.9	1.7	.9	1.7	1.8	2.6	1.8	1.8

- Represents zero or rounds to zero. <sup>1</sup> Includes 15-19 year olds.

Source: U.S. Bureau of the Census, Current Population Reports, series P-20, No. 416 and earlier reports.

HOUSEHOLDS, FAMILIES, SUBFAMILIES, MARRIED COUPLES, AND UNRELATED INDIVIDUALS:  
1960 TO 1987

a, except as indicated. As of March. Based on Current Population Survey; includes members of Armed Forces living with their families on post, but excludes all other members of Armed Forces; see text, section 1 and Appendix III. For terms, see text, section 1. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970, 8-319*

TYPE OF UNIT	1960	1970	1975	1980	1983	1984	1985	1986	1987	PERCENT CHANGE	
										1970-1980	1980-1987
.....	52,799	63,401	71,120	80,776	83,918	85,407	86,788	88,458	89,479	27.4	10.8
size .....	3.33	3.14	2.94	2.76	2.73	2.71	2.69	2.67	2.68	(x)	(x)
holds .....	44,905	51,456	55,563	59,550	61,383	61,997	62,706	63,558	64,491	15.7	8.3
ouple .....	39,254	44,728	46,951	49,112	49,908	50,090	50,350	50,933	51,537	9.8	4.9
esholder <sup>1</sup> .....	1,228	1,228	1,485	1,733	2,016	2,030	2,228	2,414	2,510	41.1	44.8
ouseholder <sup>1</sup> .....	4,422	5,500	7,127	8,705	9,469	9,878	10,129	10,211	10,445	58.3	20.0
ouseholds .....	7,895	11,945	15,557	21,226	22,525	23,410	24,062	24,900	24,986	77.7	17.7
esholder .....	2,716	4,063	5,912	8,807	9,514	9,752	10,114	10,848	10,652	116.8	20.9
ouseholder .....	5,179	7,882	9,645	12,419	13,011	13,658	13,968	14,252	14,336	57.6	15.4
on .....	6,896	10,851	13,939	18,296	19,250	19,954	20,602	21,178	21,128	68.6	15.5
.....	45,111	51,586	55,712	59,550	61,383	61,997	62,788	63,558	64,491	15.4	8.3
size .....	3.67	3.58	3.42	3.29	3.28	3.24	3.23	3.21	3.19	(x)	(x)
ple .....	39,329	44,755	46,971	49,112	49,908	50,090	50,350	50,933	51,537	9.7	4.9
holder <sup>1</sup> .....	1,275	1,239	1,499	1,733	2,016	2,030	2,228	2,414	2,510	39.9	44.8
esholder <sup>1</sup> .....	4,507	5,591	7,242	8,705	9,469	9,878	10,129	10,211	10,445	55.7	20.0
families .....	207	130	149	380	440	504	528	505	506	176.9	57.2
ple .....	75	27	20	20	39	53	46	45	37	(b)	(b)
nce persons <sup>1</sup> .....	47	11	14	36	43	63	85	63	77	(b)	(b)
rence persons <sup>1</sup> .....	85	91	115	304	358	388	395	397	452	234.1	48.7
amilies .....	1,514	1,150	1,349	1,150	2,220	2,198	2,286	2,286	2,286	–	98.8
ple .....	871	617	576	582	719	722	719	726	712	–5.7	22.3
l <sup>1</sup> .....	115	48	69	54	146	113	116	131	123	(b)	(b)
d <sup>1</sup> .....	528	464	705	512	1,355	1,363	1,392	1,399	1,451	5.8	183.4
ies .....	40,200	45,373	47,547	49,714	50,886	50,864	51,114	51,704	52,286	9.6	5.2
ousehold .....	39,254	44,728	46,951	49,112	49,908	50,090	50,350	50,933	51,537	9.8	4.9
n household .....	946	645	596	602	758	775	764	771	749	–6.7	24.4
without .....	2.4	1.4	1.3	1.2	1.5	1.5	1.5	1.5	1.4	(x)	(x)
ividuals .....	11,082	14,968	19,100	26,426	28,083	29,497	30,518	31,596	31,914	76.3	20.8
ouseholders .....	7,895	11,945	15,557	21,226	22,525	23,410	24,062	24,900	24,986	77.7	17.7
ividuals .....	3,198	3,043	3,543	5,200	5,558	6,087	6,436	6,696	6,928	70.9	33.2
.....	1,746	1,631	2,067	3,006	3,072	3,531	3,743	3,764	3,947	64.3	31.3
.....	1,451	1,412	1,456	2,194	2,486	2,558	2,693	2,842	2,978	55.4	35.7

nts zero. B Not shown; base less than 75,000. X Not applicable. <sup>1</sup> No spouse present.  
/ that most of the sizable increase between 1980 and 1983 was the result of new and more definitive coding

3. Bureau of the Census, *Current Population Reports*, series P-20, No. 417.

No. 57. HOUSEHOLDS, BY TYPE—PROJECTIONS: 1988 TO 2000

a. As of July. Series A reflects the assumption that the recent moderation in marriage and divorce trends will continue torical changes spanning the last 25 years must be taken into consideration. Series A assumes a continuation of past useholder proportions but changes in recent years are given more weight. Series B reflects assumptions intermediate ries A and C, namely changes in marriage and divorce will slow considerably, but will not cease during the next 15 as C reflects the assumption that the rapid change in marriage and divorce may have come to an end, and r proportions will remain constant for the next 15 years]

YEAR AND SERIES	Total	FAMILY				NONFAMILY		
		Total	Married couple	Male householder <sup>1</sup>	Female householder <sup>1</sup>	Total	Male householder	Female householder
A .....	91,987	64,810	51,306	2,514	10,900	27,177	11,815	15,362
B .....	91,434	65,278	52,069	2,437	10,772	26,156	11,222	14,934
C .....	90,912	65,741	52,819	2,365	10,557	25,172	10,652	14,520
A .....	93,622	66,403	51,521	2,816	11,266	28,219	12,403	15,816
B .....	92,847	66,034	52,554	2,508	10,972	26,814	11,583	15,231
C .....	92,126	66,653	53,562	2,410	10,681	25,473	10,802	14,671
A .....	95,243	66,964	51,704	2,723	11,538	29,279	13,008	16,270
B .....	94,227	66,758	53,012	2,581	11,165	27,469	11,946	15,523
C .....	93,297	67,536	54,282	2,455	10,788	25,762	10,949	14,814
A .....	102,785	68,219	52,178	3,276	12,785	34,565	16,102	18,463
B .....	100,308	69,787	54,663	2,940	11,984	30,520	13,666	16,854
C .....	98,180	71,294	57,410	2,667	11,217	28,667	11,490	15,896
A .....	110,217	70,024	52,263	3,845	13,916	40,183	19,471	20,722
B .....	105,833	72,277	56,294	3,282	12,701	33,666	15,452	18,204
C .....	102,440	74,449	60,090	2,855	11,515	27,991	11,995	16,006

pouse present.

3. Bureau of the Census, *Current Population Reports*, series P-25, No. 986.

## No. 58. WHITE, BLACK AND HISPANIC HOUSEHOLDS BY TYPE: 1970 TO 1986

[As of March, except as noted. Based on Current Population Survey, except as noted; see headline, table 56. See also *Historical Statistics, Colonial Times to 1970*, series A 282-295 and A 320-334]

CHARACTERISTIC	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1970	1975	1980	1985	1986	1970	1975	1980	1985	1986
<b>WHITE</b>										
Total	88,802	82,945	78,788	75,328	75,578	100.0	100.0	100.0	100.0	100.0
Family households	48,188	49,334	52,243	54,400	54,991	54.3	59.5	66.3	72.2	72.8
Married couple	41,028	42,951	44,751	45,843	45,924	46.2	52.0	61.2	68.6	69.0
Male householder <sup>1</sup>	1,038	1,257	1,441	1,816	1,855	1.2	1.5	1.8	2.4	2.4
Female householder <sup>1</sup>	4,009	5,128	6,052	6,941	7,111	4.5	6.2	7.7	9.2	9.4
Nonfamily households	10,435	13,612	18,522	20,888	21,586	11.8	16.3	23.5	27.8	28.2
Male householder	3,405	5,038	7,489	8,808	9,013	3.8	6.1	9.6	11.4	11.8
Female householder	7,030	8,574	11,033	12,320	12,572	7.9	10.2	13.9	16.4	16.4
<b>BLACK</b>										
Total	6,323	7,382	8,885	8,488	8,797	100.0	100.0	100.0	100.0	100.0
Family households	4,855	5,488	6,184	6,778	6,821	76.8	74.5	72.0	71.5	70.0
Married couple	3,517	3,943	4,439	4,988	5,030	55.6	53.4	50.0	49.8	47.8
Male householder <sup>1</sup>	181	211	258	344	308	2.9	2.9	3.0	3.8	3.5
Female householder <sup>1</sup>	1,368	1,915	2,485	2,984	2,874	21.6	26.4	28.1	31.3	32.5
Nonfamily households	1,367	1,793	2,402	2,703	2,676	22.0	24.7	28.0	28.5	28.0
Male householder	584	791	1,148	1,344	1,412	9.1	10.8	13.3	13.1	14.4
Female householder	803	1,002	1,258	1,459	1,464	12.8	13.8	14.6	15.4	14.6
<b>HISPANIC<sup>2</sup></b>										
Total	<sup>a</sup> 2,383	(NA)	3,884	4,883	5,213	<sup>a</sup> 100.0	(NA)	100.0	100.0	100.0
Family households	<sup>a</sup> 2,004	(NA)	3,029	3,939	4,206	<sup>a</sup> 84.1	(NA)	82.2	80.7	80.7
Married couple	<sup>a</sup> 1,516	(NA)	2,282	2,824	2,982	<sup>a</sup> 63.7	(NA)	61.8	57.8	58.0
Male householder <sup>1</sup>	<sup>a</sup> 82	(NA)	138	210	284	<sup>a</sup> 3.4	(NA)	3.7	4.3	5.5
Female householder <sup>1</sup>	<sup>a</sup> 307	(NA)	810	908	980	<sup>a</sup> 13.0	(NA)	16.8	18.5	18.8
Nonfamily households	<sup>a</sup> 298	(NA)	854	944	1,006	<sup>a</sup> 12.6	(NA)	17.8	19.3	19.3
Male householder	<sup>a</sup> 180	(NA)	355	506	541	<sup>a</sup> 7.6	(NA)	9.8	10.4	10.8
Female householder	<sup>a</sup> 145	(NA)	289	436	468	<sup>a</sup> 6.0	(NA)	7.8	8.9	8.5

NA Not available. <sup>1</sup> No spouse present. <sup>2</sup> Hispanic persons may be of any race. <sup>a</sup> As of April.

Source: U.S. Bureau of the Census, *Census of Population: 1970, Persons of Spanish Origin*, PC(2)-1C; *Current Population Reports*, series P-20, No. 419 and earlier reports.

## No. 59. HOUSEHOLDS BY CHARACTERISTIC OF HOUSEHOLDER AND SIZE OF HOUSEHOLD: 1970 TO 1986

[As of March. Based on Current Population Survey; see headline, table 59. See also *Historical Statistics, Colonial Times to 1870*, series A 335-349]

CHARACTERISTIC OF HOUSEHOLDER AND SIZE OF HOUSEHOLD	NUMBER (TH.)						PERCENT DISTRIBUTION					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Total <sup>1</sup>	63.4	71.1	80.8	85.4	88.8	88.5	100.0	100.0	100.0	100.0	100.0	100.0
Age of householder												
15-24 years old <sup>2</sup>	4.4	5.8	6.6	5.5	5.4	5.5	6.9	8.2	8.1	6.5	6.3	6.3
25-29 years old	8.1	7.8	9.3	9.8	9.8	9.8	12.8	11.0	11.5	11.5	11.1	11.1
30-34 years old	5.6	7.1	9.3	10.0	10.4	10.6	8.8	10.0	11.5	11.7	12.0	12.0
35-44 years old	11.8	11.8	14.0	18.8	17.5	18.0	18.6	16.7	17.3	19.4	20.1	20.1
45-54 years old	12.2	12.9	12.7	12.5	12.6	13.1	19.5	18.2	15.7	14.6	14.6	14.6
55-64 years old	11.8	11.3	12.5	13.1	13.1	12.9	17.1	15.9	15.5	16.4	16.1	16.1
65-74 years old	7.7	6.9	10.1	10.7	10.8	11.2	12.1	12.5	12.5	12.5	12.6	12.6
75 years old and over	4.8	5.4	6.4	7.2	7.3	7.4	7.6	7.6	7.9	8.4	8.4	8.4
Sex												
Male	50.0	54.3	58.0	59.4	60.0	61.0	78.9	76.4	71.8	69.5	69.2	69.2
Female	13.4	16.8	22.8	26.0	28.8	27.4	21.1	23.6	28.2	30.5	30.8	30.8
Race												
White	58.8	62.8	70.8	74.4	75.3	76.8	89.5	88.5	87.8	87.1	86.8	86.8
Black	6.2	7.3	8.6	9.2	9.5	9.8	9.8	10.2	10.6	10.8	10.9	10.9
Hispanic <sup>3</sup>	(NA)	(NA)	3.7	4.3	4.8	5.2	(NA)	(NA)	4.6	5.0	5.5	5.5
Size of household												
1 person	10.9	13.9	18.3	20.0	20.6	21.2	17.1	19.6	22.7	23.4	23.7	23.7
Male	3.5	4.9	7.0	7.5	7.9	8.3	5.5	6.9	8.7	8.8	9.1	9.1
Female	7.3	9.0	11.3	12.4	12.7	12.9	11.5	12.7	14.0	14.5	14.6	14.6
2 persons	18.3	21.8	25.3	28.9	27.4	27.7	28.9	30.8	31.4	31.5	31.5	31.5
3 persons	10.9	12.4	14.1	15.1	15.5	16.1	17.3	17.4	17.5	17.7	17.8	17.8
4 persons	10.0	11.1	12.7	13.6	13.8	13.8	15.8	15.8	15.7	15.9	15.7	15.7
5 persons	6.5	6.4	6.1	6.1	6.1	6.3	10.3	9.0	7.5	7.1	7.0	7.0
6 persons	3.5	3.1	2.5	2.4	2.3	2.1	5.6	4.3	3.1	2.8	2.8	2.8
7 persons or more	3.2	2.5	1.8	1.4	1.3	1.3	5.0	3.5	2.2	1.8	1.8	1.8

NA Not available. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> 1970 and 1975, persons 14 to 24 years of age. <sup>3</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 419 and earlier reports; and unpublished.

[As of March. Based on Current Population Survey; see headline, table 56. For composition of regions, see fig. 1, inside front cover]

Household Characteristics

CHARACTERISTIC	NUMBER OF HOUSEHOLDS (1,000)					PERCENT DISTRIBUTION					PERSONS PER HOUSEHOLD		
	Total	Black	Hispanic <sup>1</sup>	Family households			Total <sup>2</sup>	Hispanic <sup>1</sup>	Black	Total	Family households		Non-family households
				Total <sup>2</sup>	Married couple	Female householder <sup>3</sup>					Married couple	Female householder <sup>3</sup>	
Total.....	88,488	9,797	5,213	63,568	50,933	10,211	100.0	100.0	100.0	2.67	100.0	100.0	100.0
Age of householder:													
15-24 years old.....	5,503	680	546	3,175	2,132	735	5.0	10.5	6.9	8.2	4.2	7.7	9.4
25-29 years old.....	9,761	1,212	814	6,688	5,200	1,230	10.5	15.6	12.4	11.1	10.2	12.0	12.4
30-34 years old.....	10,629	1,295	789	8,207	6,551	1,384	12.9	14.7	13.2	12.0	12.9	13.4	9.7
35-44 years old.....	17,997	2,036	1,176	14,912	11,743	2,641	23.5	22.6	20.8	20.3	23.1	25.9	12.4
45-54 years old.....	13,099	1,680	791	10,767	8,756	1,607	18.9	15.2	17.2	14.8	17.2	15.7	9.4
55-64 years old.....	12,862	1,250	571	9,744	8,262	1,144	15.3	10.9	12.8	14.5	16.2	11.2	12.5
65-74 years old.....	11,157	1,066	352	6,804	5,784	807	10.7	6.7	10.6	12.6	11.4	7.9	17.5
75 years old and over.....	7,439	595	196	3,263	2,506	633	5.1	3.8	6.0	8.4	4.9	6.2	16.8
Region:													
Northeast.....	18,562	1,831	1,026	13,175	10,422	2,225	20.7	19.7	16.7	21.0	20.5	21.6	21.6
Midwest.....	21,647	1,932	359	15,771	12,813	2,427	24.8	6.9	19.7	24.7	25.2	23.8	24.4
South.....	30,311	5,159	1,673	22,163	17,711	3,724	34.9	32.1	52.7	34.3	34.8	36.5	32.6
West.....	17,736	877	2,155	12,429	9,996	1,636	19.6	41.3	9.0	20.1	19.6	18.0	21.3
Size of household:													
One person.....	21,178	2,500	603	(X)	(X)	(X)	(X)	15.4	25.5	23.9	(X)	(X)	65.1
Two persons.....	27,732	2,365	1,123	24,780	19,137	4,364	39.0	21.6	24.1	31.3	37.6	42.9	11.8
Three persons.....	18,088	1,877	1,031	15,537	11,690	3,173	24.4	19.6	19.2	16.2	23.0	31.1	2.2
Four persons.....	13,774	1,486	1,066	13,596	11,842	1,490	21.4	20.9	16.2	15.6	23.3	14.6	.7
Five persons.....	6,276	896	617	6,236	5,442	669	9.8	11.8	9.1	7.1	10.7	6.5	.2
Six persons.....	2,136	344	291	2,133	1,809	286	3.4	5.6	3.5	2.4	3.6	2.8	(Z)
Seven persons or more.....	1,272	327	260	1,269	1,013	210	2.0	5.0	3.3	1.4	2.0	2.1	(Z)
Marital status of householder:													
Single (never married).....	11,808	2,168	762	2,752	(X)	1,963	4.3	14.6	22.1	13.3	(X)	19.2	36.4
Married, spouse present.....	50,933	3,680	2,962	50,933	50,933	(X)	60.1	56.6	37.6	57.8	100.0	(X)	(X)
Married, spouse absent.....	4,064	1,166	513	2,126	(X)	1,782	3.3	9.9	11.9	4.6	(X)	17.6	7.9
Separated.....	3,229	1,046	403	1,826	(X)	1,555	2.9	7.7	10.7	3.7	(X)	15.2	5.6
Widowed.....	11,363	1,341	372	3,057	(X)	2,631	4.8	7.1	13.7	12.8	(X)	25.8	33.4
Divorced.....	10,289	1,444	603	4,689	(X)	3,624	7.4	11.6	14.7	11.8	(X)	37.4	22.4
Tenure:													
Owner occupied.....	56,406	4,361	2,115	45,499	39,420	4,735	71.6	40.6	44.5	63.8	77.4	46.4	43.9
Renter occupied.....	32,080	5,436	3,098	18,069	11,513	5,476	28.4	59.4	55.5	36.2	22.6	53.6	56.1

X Not applicable. Z Less than .05 percent. <sup>1</sup> Hispanic persons may be of any race. <sup>2</sup> Includes male householder, no spouse present. <sup>3</sup> No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 419 and series P-60, No. 156.



## No. 61. HOUSEHOLDS—STATES: 1960 TO 1966

[1960, as of April 1; 1965 and 1966, as of July 1. For definition of household, see text, section 1. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	NUMBER (1,000)			PERSONS PER HOUSEHOLD		DIVISION AND STATE	NUMBER (1,000)			PERSONS PER HOUSEHOLD	
	1960	1965	1966	1960	1966		1960	1965	1966	1960	1966
U.S.	86,266	87,489	88,787	2.76	2.66	So. Atl.	13,180	14,838	15,280	2.73	2.61
Regions:						DE	207	227	232	2.79	2.66
Northeast	17,471	18,407	18,588	2.74	2.62	MD	1,461	1,567	1,624	2.82	2.69
Midwest	20,859	21,782	21,944	2.75	2.63	DC	253	260	251	2.40	2.36
South	28,488	29,857	30,418	2.77	2.66	VA	1,863	2,076	2,122	2.77	2.64
West	15,574	17,483	17,847	2.71	2.67	WV	686	711	710	2.79	2.66
N. Eng.	4,362	4,671	4,728	2.74	2.60	NC	2,043	2,294	2,340	2.78	2.62
ME.	395	432	439	2.75	2.59	SC	1,030	1,156	1,178	2.93	2.78
NH	323	366	379	2.75	2.62	GA	1,872	2,138	2,199	2.84	2.71
VT	178	186	200	2.75	2.60	FL	3,744	4,501	4,636	2.55	2.47
MA	2,033	2,155	2,173	2.72	2.59	E. So. Cent.	5,851	5,437	5,604	2.83	2.79
RI	339	359	364	2.70	2.58	KY	1,263	1,344	1,355	2.82	2.67
CT	1,094	1,183	1,175	2.76	2.63	TN	1,819	1,757	1,783	2.77	2.69
Mid. Atl.	13,109	13,735	13,889	2.74	2.62	AL	1,342	1,444	1,484	2.84	2.71
NY	5,340	5,625	5,672	2.70	2.59	MS	827	891	902	2.97	2.84
NJ	2,549	2,737	2,775	2.84	2.69	W. So. Cent.	8,276	8,481	8,624	2.89	2.79
PA	4,220	4,373	4,411	2.74	2.63	AR	816	876	888	2.74	2.62
E. No. Cent.	14,654	15,207	15,343	2.78	2.68	LA	1,412	1,557	1,567	2.91	2.81
OH	3,834	3,965	3,998	2.78	2.63	OK	1,119	1,253	1,255	2.82	2.66
IN	1,927	2,011	2,026	2.77	2.64	TX	4,929	5,796	5,916	2.82	2.78
IL	4,045	4,211	4,237	2.78	2.66	MN	3,986	4,068	4,708	2.79	2.71
MI	3,195	3,268	3,315	2.84	2.70	MT	284	305	304	2.70	2.62
WI	1,852	1,752	1,767	2.77	2.63	ID	324	354	356	2.85	2.78
W. No. Cent.	8,206	8,558	8,800	2.68	2.66	WY	186	182	182	2.78	2.74
MN	1,445	1,548	1,585	2.74	2.62	CO	1,081	1,222	1,240	2.85	2.57
IA	1,053	1,078	1,071	2.68	2.57	NM	441	510	523	2.90	2.78
MO	1,793	1,895	1,916	2.67	2.58	AZ	957	1,159	1,209	2.79	2.69
NO	228	246	247	2.75	2.63	UT	448	505	514	3.20	3.18
SD	243	260	261	2.74	2.61	NV	304	368	381	2.58	2.46
NE	571	604	606	2.66	2.56	Pac.	11,847	12,858	13,138	2.86	2.81
KS	872	926	935	2.62	2.54	WA	1,541	1,691	1,723	2.61	2.51
						OR	992	1,044	1,058	2.60	2.61
						CA	8,830	9,516	9,842	2.68	2.6
						AK	131	175	178	2.93	2.9
						HI	294	330	335	3.15	3.0

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 906 and press release (CB97-65), and unpublished data.

## No. 62. HOUSEHOLDS, 1960 AND 1966, AND PERSONS IN HOUSEHOLDS, 1966, BY TYPE OF HOUSEHOLD AND PRESENCE OF CHILDREN

[As of March. Based on Current Population Survey; see headnote, table 58. Minus sign (-) indicates decrease.]

TYPE OF HOUSEHOLD AND PRESENCE OF CHILDREN	HOUSEHOLDS						PERSONS IN HOUSEHOLDS, 1966		Persons per household
	Number (1,000)		Change, 1960-1966		Percent distribution		Number (mil.)	Percent distribution	
	1960	1966	Number (1,000)	Percent	1960	1966			
Total households	86,778	88,488	7,082	8.0	100.0	100.0	236.2	100.0	
Family households	59,550	63,558	4,008	6.7	73.7	71.9	206.1	87.2	
With own children under 18	31,022	31,870	848	2.1	36.4	35.6	124.3	52.6	
Without own children under 18	28,528	31,688	3,160	11.8	35.3	36.0	81.7	34.6	
Married couple family	48,112	50,933	1,821	3.7	60.6	57.6	167.2	70.8	
With own children under 18	24,961	24,930	-331	-1.3	30.9	27.8	111.1	43.9	
Without own children under 18	24,151	26,003	2,152	8.9	29.9	29.7	66.0	27.5	
Male householder, no spouse present	1,733	2,414	681	39.3	2.1	2.7	7.1	3.0	
With own children under 18	616	935	319	51.8	.8	1.1	2.7	1.1	
Without own children under 18	1,117	1,479	362	32.4	1.4	1.7	4.4	1.9	
Female householder, no spouse present	8,705	10,211	1,506	17.3	10.8	11.5	31.7	13.4	
With own children under 18	5,445	6,105	660	12.1	6.7	6.9	19.4	8.2	
Without own children under 18	3,261	4,106	845	25.9	4.0	4.6	12.4	5.2	
Nonfamily households	21,226	24,900	3,674	17.3	26.3	28.1	30.2	12.8	
Living alone	18,296	21,178	2,882	15.8	22.7	23.9	21.2	9.0	
Male householder	8,807	10,848	1,541	20.9	10.9	12.0	14.1	6.0	
Living alone	6,696	8,205	1,519	26.9	8.6	9.4	8.3	3.5	
Female householder	12,419	14,252	1,833	14.6	15.4	16.1	15.1	6.8	
Living alone	11,330	12,893	1,563	13.8	14.0	14.6	12.9	5.5	

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 412 and earlier reports; and unpublished data.

No. 63. LIVING ARRANGEMENTS OF PERSONS 15 YEARS OLD AND OVER, BY SELECTED CHARACTERISTICS: 1986

Source: Based on Current Population Survey which includes members of Armed Forces living off post or with families on post, but excludes other Armed Forces; see text, section 1 and Appendix III]

AGE AND SEX	ALL RACES <sup>1</sup>					WHITE PERSONS PERCENT LIVING—			BLACK PERSONS PERCENT LIVING—		
	Total (1,000)	Percent living—				Alone	With spouse	With other relatives	Alone	With spouse	With other relatives
		Alone	With spouse	With other relatives	With non-relatives						
All persons 15 years old and over.....	184,828	11.5	55.9	26.7	5.9	11.5	65.5	24.1	12.2	36.9	45.7
Male.....	18,274	.5	3.2	93.4	3.2	.6	3.8	92.5	.5	1.1	96.1
Female.....	18,948	8.5	26.4	51.2	14.0	6.7	31.0	47.8	5.4	14.2	70.0
Under 18.....	74,561	8.7	65.8	17.8	7.6	8.8	68.5	15.1	9.2	44.7	39.1
18 to 24.....	44,723	11.1	74.8	11.3	2.8	10.4	77.4	9.7	18.1	51.8	24.9
25 to 34.....	27,321	30.4	53.6	13.7	2.3	30.5	54.9	12.5	33.0	39.5	23.8
35 to 44.....	16,879	24.9	62.4	10.6	2.1	24.5	64.0	9.5	31.7	45.3	19.7
45 and over.....	10,442	39.3	39.4	16.8	2.5	40.1	40.3	17.3	35.1	29.3	30.9
White.....	89,474	9.4	58.4	26.1	7.1	9.1	60.7	25.2	12.2	40.4	28.1
Black.....	9,183	.5	1.5	95.1	2.9	.5	1.7	94.8	.3	.2	97.0
Hispanic.....	9,788	7.0	21.3	56.7	14.9	7.4	23.3	54.0	5.5	10.8	71.6
Under 18.....	38,911	10.7	64.8	15.1	9.6	10.6	65.6	13.3	12.6	47.7	29.5
18 to 24.....	21,320	9.0	80.4	7.1	3.4	8.1	82.4	6.5	18.1	62.0	11.9
25 to 34.....	11,272	14.9	75.3	7.2	2.5	14.3	78.7	8.7	23.3	59.9	11.9
35 to 44.....	7,440	12.7	79.2	5.7	2.4	11.8	80.4	5.4	23.0	64.0	9.9
45 and over.....	3,832	19.2	67.9	10.2	2.7	19.0	69.5	9.2	24.0	51.7	16.0
Hispanic.....	96,354	13.4	53.7	25.2	4.8	13.8	58.4	24.9	12.1	32.4	51.2
Under 18.....	9,091	.6	4.9	91.0	3.5	.6	5.6	90.1	.7	1.9	96.2
18 to 24.....	10,180	5.9	35.2	45.8	13.1	6.1	38.5	41.7	5.4	17.0	68.7
25 to 34.....	37,649	6.8	67.0	20.5	5.7	6.9	70.3	16.6	6.4	42.1	47.1
35 to 44.....	23,404	13.0	89.7	15.2	2.2	12.4	72.8	12.7	18.1	43.7	36.1
45 and over.....	16,049	41.3	36.3	18.2	2.1	41.9	39.5	16.6	39.3	25.8	31.8
Hispanic.....	9,439	34.6	49.2	14.4	1.9	34.5	51.0	12.8	36.0	31.5	26.9
45 and over.....	6,610	51.0	22.8	23.6	2.4	52.2	23.4	22.0	41.5	16.7	39.6

1. Other races not shown separately.  
 2. U.S. Bureau of the Census, *Current Population Reports*, series P-20, forthcoming report.

No. 64. LIVING ARRANGEMENTS OF YOUNG ADULTS: 1970 TO 1986

Source: 1970 and 1980, as of April. Beginning 1980, as of March and based on Current Population Survey, see headnote, table 63]

LIVING ARRANGEMENTS AND SEX	PERSONS 18-24 YEARS OLD				PERSONS 25-34 YEARS OLD			
	1970	1983	1985	1986	1970	1985	1983	1986
All persons (1,000).....	22,367	29,122	27,844	27,111	24,596	36,788	40,867	42,053
Distribution:								
Householder <sup>1</sup> .....	47.3	46.4	53.6	52.8	8.0	8.7	10.8	11.1
Householder or spouse.....	37.9	26.9	24.3	24.9	62.8	72.3	67.9	65.6
Non-householder.....	4.8	9.5	8.2	8.5	4.9	12.0	12.9	13.1
Non-householder.....	10.0	13.2	13.8	14.0	4.3	7.0	8.6	9.2
White (1,000).....	10,398	14,278	13,859	13,324	11,929	13,167	29,184	20,966
Distribution:								
Householder <sup>1</sup> .....	54.3	54.3	59.7	58.8	9.5	10.5	13.3	14.2
Householder or spouse.....	30.0	21.3	16.4	17.1	79.3	68.4	80.1	58.2
Non-householder.....	5.4	11.1	9.6	9.5	6.5	15.3	16.1	16.6
Non-householder.....	10.3	13.3	14.3	14.6	4.8	7.9	10.5	10.9
Black (1,000).....	11,969	14,844	14,149	13,787	12,637	18,699	20,673	21,087
Distribution:								
Householder <sup>1</sup> .....	41.3	42.7	47.8	46.7	6.6	7.0	8.0	8.0
Householder or spouse.....	44.7	36.2	32.0	32.4	88.1	78.1	75.5	74.9
Non-householder.....	4.2	8.1	6.9	7.5	3.5	8.8	9.7	9.6
Non-householder.....	9.7	13.1	13.3	13.4	3.9	6.2	6.7	7.5

1. Excludes unmarried college students living in dormitories.  
 2. U.S. Bureau of the Census, *1970 and 1980 Census of Population, PC(2)-4B and Current Population Reports*, series P-10 and forthcoming report.

## NO. 65. FAMILY GROUPS WITH CHILDREN UNDER 18, BY RACE AND TYPE: 1970 TO 1996

(As of March. Based on Current Population Survey; see headnote, table 58. For definition of family types, see text, section 1)

PRESENCE OF PARENTS AND MARITAL STATUS	1970, total (1,000)	1990, total (1,000)	1990									
			Number (1,000)			Percent distribution			Percent, by type			
			Total 1	White	Black	Total 1	White	Black	All family groups	Family households	Re-lated sub-families	Un-related sub-families
Total with children under 18 .....	25,631	32,180	33,838	28,041	4,773	100.0	100.0	100.0	100.0	93.9	6.6	1.1
Two-parent family groups .....	25,823	25,231	25,010	22,076	2,922	73.7	78.7	42.4	100.0	98.5	1.4	1
One-parent family groups .....	3,808	6,920	8,930	5,964	2,752	26.3	21.3	57.7	100.0	78.8	17.1	4.0
Maintained by mother .....	3,415	6,230	7,842	5,070	2,597	23.1	18.1	54.4	100.0	77.9	17.8	4.3
Never married .....	248	1,063	2,278	866	1,355	6.7	3.2	28.4	100.0	62.4	34.1	3.5
Spouse absent .....	1,377	1,743	1,724	1,129	548	5.1	4.0	11.4	100.0	62.5	14.4	3.1
Separated .....	982	1,483	1,506	972	510	4.4	3.5	10.7	100.0	63.9	13.1	2.9
Divorced .....	1,109	2,721	3,294	2,878	581	9.7	8.5	11.8	100.0	63.6	10.4	6.0
Widowed .....	682	703	546	380	133	1.6	1.4	2.8	100.0	63.0	5.5	1.5
Maintained by father .....	383	692	1,086	894	155	3.2	3.2	3.2	100.0	65.9	12.0	2.0
Never married .....	22	63	206	136	60	.6	.5	1.3	100.0	75.6	23.4	1.0
Spouse absent .....	247	181	218	166	40	.8	.6	.8	100.0	60.7	16.5	2.8
Divorced .....	NA	340	571	513	47	1.7	1.8	1.0	100.0	69.7	6.1	2.3
Widowed .....	124	107	94	78	7	.3	.5	1	100.0	97.9	2.1	-

- Represents or rounds to zero. NA Not available. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Includes divorced.

## NO. 66. FAMILIES, BY SIZE AND PRESENCE OF CHILDREN: 1960 AND 1996

(In thousands, except as indicated. As of March. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of families, see text, section 1)

CHARACTERISTIC	1960, total	1993								
		All races <sup>1</sup>			White		Black		Hispanic <sup>2</sup>	
		Total <sup>3</sup>	Mar- ried cou- ple	Female house- holder <sup>4</sup>	Total <sup>5</sup>	Mar- ried cou- ple	Total <sup>6</sup>	Mar- ried cou- ple	Total <sup>7</sup>	Mar- ried cou- ple
Total.....	66,589	63,568	60,833	16,211	64,961	48,834	6,921	6,908	4,893	2,917
Size of family:										
2 persons.....	23,461	25,472	19,276	4,664	22,806	18,017	2,176	1,004	1,059	6
3 persons.....	13,603	16,400	11,714	3,104	13,242	10,532	1,803	806	991	6
4 persons.....	12,372	13,356	11,820	1,355	11,526	10,620	1,420	844	1,048	8
5 persons.....	5,930	6,106	5,402	621	4,961	4,631	671	542	596	5
6 persons.....	2,481	2,044	1,786	262	1,574	1,441	339	195	286	2
7 or more persons.....	1,723	1,161	965	165	771	683	311	169	234	1
Median size (number) <sup>8</sup> .....	3.29	3.21	3.27	3.02	3.15	3.22	3.55	3.66	3.67	4
Own children under age 18:										
None.....	26,526	31,866	26,303	4,108	28,417	24,167	2,682	1,683	1,451	1
1.....	12,443	13,325	9,688	2,857	11,353	8,773	1,610	601	836	1
2.....	11,470	11,902	9,980	2,081	10,143	8,562	1,356	872	896	
3.....	4,674	4,808	3,764	778	3,736	3,258	683	341	523	
4 or more.....	2,495	1,857	1,418	406	1,344	1,185	410	183	298	
Own children under age 6:										
None.....	46,063	46,977	39,009	7,898	42,729	36,382	5,076	2,742	2,702	1
1.....	9,441	9,847	7,921	1,895	8,291	7,003	1,255	660	865	
2 or more.....	4,047	4,734	4,003	650	3,972	3,558	589	289	650	
PERCENT DISTRIBUTION										
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
Size of family:										
2 persons.....	36.4	40.1	37.5	45.9	41.0	39.2	31.5	27.3	25.2	
3 persons.....	22.8	24.2	23.0	30.4	24.1	22.9	26.1	24.7	23.3	
4 persons.....	20.8	21.0	22.2	13.3	21.0	22.1	20.6	22.9	24.9	
5 persons.....	10.0	9.8	10.6	8.1	9.1	10.1	12.6	14.7	14.2	
6 persons.....	4.1	3.2	3.4	2.6	2.9	3.1	4.9	5.3	6.6	
7 or more persons.....	2.9	1.9	1.9	1.8	1.4	1.5	4.5	5.1	5.6	
Own children under age 18:										
None.....	47.9	50.2	51.6	40.2	51.7	52.6	41.4	45.7	34.5	
1.....	20.9	21.0	19.4	26.0	20.6	19.1	23.3	21.8	22.2	
2.....	18.3	18.7	18.6	20.2	18.4	18.8	19.6	18.3	23.7	
3.....	7.6	7.2	7.4	7.5	8.8	7.1	9.9	9.3	12.4	
4 or more.....	4.1	2.9	2.8	4.0	2.4	2.5	8.9	5.0	7.1	
Own children under age 6:										
None.....	77.4	77.1	78.6	77.0	77.7	77.0	73.3	74.6	64.2	
1.....	15.9	15.5	15.8	16.6	15.1	15.2	18.1	17.7	22.7	
2 or more.....	6.8	7.4	7.6	6.4	7.2	7.7	8.6	7.8	13.0	

<sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Includes other types of families, not shown separately. <sup>3</sup> No 1 present. <sup>4</sup> Hispanic persons may be of any race. <sup>5</sup> For definition of median, see Guide to Tabular Presentation. Source of tables 65 and 66: U.S. Bureau of the Census, Current Population Reports, series P-20, No. 419 and earlier.

**NO. 67. FAMILIES, BY NUMBER OF OWN CHILDREN UNDER 18 YEARS OLD: 1970 TO 1986**

as noted, as of March, and based on Current Population Survey; see headnote, table 66. See also *Historical Statistics, Colonial Times to 1970*, series A 353-358.

RACE AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION BY NUMBER OF OWN CHILDREN						Average size of family
		All families	None	1	2	3	4 or more	
ALL FAMILIES <sup>1</sup>								
1970	51,586	100.0	44.1	19.2	17.4	10.6	9.8	3.58
1975	55,712	100.0	46.0	19.7	18.0	9.3	8.9	3.42
1980	59,560	100.0	47.9	20.9	19.3	7.8	4.1	3.29
1985	62,706	100.0	50.4	20.9	18.6	7.2	3.0	3.22
1986	63,586	100.0	50.2	21.0	18.7	7.2	2.7	3.21
WHITE FAMILIES								
1970	46,281	100.0	44.8	18.2	17.7	10.5	8.8	3.52
1975	49,451	100.0	47.2	19.4	18.0	9.2	8.2	3.38
1980	52,343	100.0	49.3	20.5	19.1	7.5	3.6	3.23
1985	54,400	100.0	51.8	20.5	18.3	6.6	2.6	3.16
1986	54,991	100.0	51.7	20.6	18.4	6.6	2.4	3.15
BLACK FAMILIES								
1970	4,867	100.0	38.9	17.8	14.6	10.1	18.6	4.13
1975	5,498	100.0	36.8	22.0	17.0	10.6	13.6	3.90
1980	6,184	100.0	36.2	23.4	20.0	10.2	8.2	3.67
1985	6,778	100.0	42.6	23.3	19.6	9.0	5.5	3.60
1986	6,921	100.0	41.4	23.3	19.6	9.9	5.9	3.56
HISPANIC FAMILIES <sup>2</sup>								
1970	2,004	100.0	29.6	19.5	18.4	13.3	18.1	(NA)
1975	2,447	100.0	29.4	23.1	19.7	13.4	14.5	(NA)
1980	3,029	100.0	31.2	22.4	23.0	13.4	6.6	3.90
1985	3,938	100.0	33.9	22.9	22.0	12.2	6.6	3.86
1986	4,206	100.0	34.5	22.2	23.7	12.4	7.1	3.87

of available. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Hispanic persons may be of any race.

April. Based on Census of Population.

: U.S. Bureau of the Census, *U.S. Census of Population, 1970*, and *Current Population Reports*, series P-20, No. 419, and 1971.

**18. FAMILY HOUSEHOLDS WITH OWN CHILDREN UNDER AGE 18, BY TYPE OF FAMILY, 1970 TO 1986, AND BY AGE OF HOUSEHOLDER, 1986**

March. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III.

FAMILY TYPE	1970	1975	1980	1985	1986						
					Total	15-24 years old	25-34 years old	35-44 years old	45-54 years old	55-64 years old	65 years old and over
By households with children (1,000)	36,731	29,944	31,022	31,112	31,870	1,916	11,616	12,371	4,871	1,967	184
couple (1,000)	25,532	25,185	24,961	24,210	24,820	1,148	6,764	6,791	3,683	813	109
householder <sup>1</sup> (1,000)	341	478	616	886	936	73	261	374	180	49	8
householder <sup>2</sup> (1,000)	2,858	4,301	5,445	6,006	6,105	694	2,445	2,806	638	105	17
<b>PERCENT DISTRIBUTION</b>											
By households with children	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
couple	69.5	84.0	80.5	77.8	77.8	58.8	76.3	79.1	63.1	41.3	61.3
householder <sup>1</sup>	1.2	1.6	2.0	2.9	3.0	3.8	2.4	3.0	3.2	4.6	6.0
householder <sup>2</sup>	9.0	14.4	17.6	19.3	19.3	38.2	21.2	17.6	13.7	9.8	12.7
<b>AGE WITH CHILDREN, AS A % OF ALL FAMILY HOUSEHOLDS BY TYPE</b>											
By households with children, total	68.9	83.9	82.1	46.6	46.6	66.3	77.3	83.0	49.4	11.9	1.3
couple	57.1	53.6	50.8	48.1	48.4	53.9	74.8	83.4	44.3	11.1	1.3
householder <sup>1</sup>	27.9	32.2	35.6	40.2	38.7	29.3	51.1	70.7	37.1	14.5	2.4
householder <sup>2</sup>	52.0	80.3	82.6	59.3	59.6	66.4	84.3	83.5	39.7	9.2	1.2

points present.

: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 419, and earlier reports.

No. 69. CHILDREN UNDER 18 YEARS OLD, BY PRESENCE OF PARENTS: 1970 TO 1986

[As of March. Excludes persons under 18 years old who maintained households or family groups. It is likely that most of sizeable increase in children living with never married mothers is the result of new and more definitive coding proced introduced by the Census Bureau in 1982. Based on Current Population Survey, see headnote, table 66]

RACE AND YEAR	Num- ber (1,000)	PERCENT LIVING WITH—							Father only	Not per
		Both per- ents	Mother only							
			Total	Di- vorced	Mar- ried, spouse absent	Single <sup>1</sup>	Wid- owed			
ALL RACES <sup>2</sup>										
1970 .....	69,162	85.2	10.8	3.3	4.7	.8	2.0	1.1		
1980 .....	63,427	78.7	18.0	7.5	5.7	2.8	2.0	1.7		
1985 .....	62,475	73.9	20.9	8.5	5.4	5.6	1.5	2.5		
1986 .....	62,793	73.9	21.0	8.5	5.3	5.7	1.4	2.5		
WHITE										
1970 .....	58,790	89.5	7.8	3.1	2.8	.2	1.7	.9		
1980 .....	52,242	82.7	13.5	7.0	3.9	1.0	1.7	1.6		
1985 .....	50,636	80.0	15.6	8.1	4.1	2.1	1.3	2.4		
1986 .....	50,931	79.9	15.7	8.2	4.1	2.3	1.2	2.5		
BLACK										
1970 .....	9,422	58.5	29.5	4.6	16.3	4.4	4.2	2.3		
1980 .....	9,375	42.2	43.9	10.9	16.2	12.8	4.0	1.9		
1985 .....	9,479	39.5	51.0	11.3	12.4	24.8	2.5	2.9		
1986 .....	9,532	40.6	50.6	11.1	12.0	24.9	2.6	2.4		
HISPANIC <sup>3</sup>										
1970 .....	<sup>4</sup> 4,006	77.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)		
1980 .....	5,459	75.4	19.6	5.9	8.2	4.0	1.5	1.5		
1985 .....	6,057	67.9	26.6	7.3	11.1	6.5	1.7	2.2		
1986 .....	6,430	66.5	27.7	8.6	10.7	7.0	1.4	2.7		

NA Not available. <sup>1</sup> Never married. <sup>2</sup> Includes other races not shown separately. <sup>3</sup> Hispanic persons may be of race. <sup>4</sup> All persons under 16 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 411 and earlier and forthcoming rep

No. 70. FEMALE FAMILY HOUSEHOLDERS WITH NO SPOUSE PRESENT—CHARACTERISTICS, BY RACE 1970 TO 1986

[As of March. 1970 covers persons 14 years old and over; beginning 1980, covers persons 15 years old and over. Based o Current Population Survey, see headnote, table 66]

CHARACTERISTIC	Unit	WHITE					BLACK				
		1970	1980	1984	1985	1986	1970	1980	1984	1986	<sup>1</sup>
Female family house- holder .....	1,000 .....	4,185	6,052	9,784	6,941	7,111	1,349	2,495	2,874	3,684	2
Percent of all families .....	Percent .....	9.1	11.6	12.6	12.8	12.9	28.3	40.3	43.1	43.7	
Median age .....	Years .....	50.4	43.7	42.9	42.7	42.4	41.3	37.4	36.0	36.0	
Marital status:											
Single (never married) .....	Percent .....	9.2	10.6	12.0	11.9	12.8	16.2	27.3	30.9	33.4	
Married, spouse absent .....	Percent .....	18.5	16.9	16.6	16.0	15.6	39.7	28.6	23.4	21.1	
Separated .....	Percent .....	11.4	13.9	13.5	13.8	13.5	33.8	26.8	21.7	19.3	
Other .....	Percent .....	7.2	3.0	3.1	2.1	2.3	5.9	1.8	1.7	1.7	
Widowed .....	Percent .....	47.0	32.7	28.6	28.3	28.6	29.9	22.2	20.3	21.2	
Divorced .....	Percent .....	25.3	36.8	42.8	43.8	42.8	14.2	21.9	25.4	24.5	
Presence of children under 18:											
No own children .....	Percent .....	52.0	41.2	43.2	43.5	43.2	33.5	26.1	33.5	34.5	
With own children .....	Percent .....	48.0	58.8	56.8	56.5	56.8	66.6	71.9	66.6	65.5	
1 child .....	Percent .....	18.8	26.1	26.6	28.9	29.3	19.1	26.3	27.9	27.5	
2 children .....	Percent .....	15.0	19.9	19.5	18.6	19.2	14.4	23.2	21.5	21.6	
3 children .....	Percent .....	7.8	7.4	5.9	6.4	5.9	12.5	11.1	11.0	10.1	
4 or more children .....	Percent .....	6.4	3.4	2.7	2.6	2.4	20.6	11.3	6.2	6.3	
Mean number of children .....	Number .....	1.00	1.03	.96	.96	.95	1.83	1.51	1.26	1.29	

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 411 and earlier and forthcoming #

# 71. NONFAMILY HOUSEHOLDS, BY AGE OF HOUSEHOLDER AND PRESENCE OF NONRELATIVES: 1970 TO 1986

[1970, persons 14 years old and over; 1980 and 1986, 15 years old and over. See headnote, table 60]

ITEM	NONFAMILY HOUSEHOLDS		MALE HOUSEHOLDERS (1,000)					FEMALE HOUSEHOLDERS (1,000)				
	Total (1,000)	Percent	Total	15-24 yr. old	25-44 yr. old	45-64 yr. old	65 yr. old and over	Total	15-24 yr. old	25-44 yr. old	45-64 yr. old	65 yr. old and over
1970 (April), total	12,430	100.0	4,829	1,571	1,348	1,586	1,310	7,601	1,512	895	2,677	2,607
Living alone	11,115	89.4	3,885	1,345	1,134	1,283	1,224	7,150	1,329	885	2,421	2,705
Spouse present	1,315	10.6	944	226	212	132	84	651	184	120	156	191
1980 (March), total	21,226	100.0	8,967	1,867	2,864	1,822	1,806	12,419	1,988	2,198	2,948	5,989
Living alone	18,208	85.2	6,988	947	2,880	1,813	1,468	11,330	779	1,808	2,901	5,842
Spouse present	2,930	13.8	1,941	620	934	209	79	1,089	410	389	147	141
1986 (March), total	24,860	100.0	10,848	1,383	6,386	2,266	1,791	14,382	1,845	3,268	3,236	6,799
Living alone	21,178	85.1	8,285	735	3,852	1,918	1,681	12,883	854	2,571	3,031	5,885
Spouse present	3,722	14.9	2,563	548	1,446	288	79	1,399	388	631	204	122

Spouse 14-24 years old.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. II, part 4B; *Current Population Reports*, series P-30, No. 1 unpublished data.

## NO. 72. NONFAMILY HOUSEHOLDERS, BY MARITAL STATUS: 1970 TO 1986

Thousands of persons. As of March. 1970, persons 14 years old and over; 1980 and 1986, persons 15 years old and over. Based on Current Population Survey; see headnote, table 60]

MARITAL STATUS	1970		1980				MARITAL STATUS	1980		1986			
	1970	1980	Total	Under 35 yr.	35-64 yr.	65 yr. old and over		1970	1980	Total	Under 35 yr.	35-64 yr.	65 yr. old and over
Female	4,829	3,887	10,848	4,771	4,117	1,761	Female	7,302	12,419	14,382	3,874	4,488	6,799
Single	1,765	4,371	5,237	2,688	1,328	320	Single	1,808	3,302	3,510	2,446	630	436
Married	545	1,051	1,199	403	657	130	Married	518	875	758	172	484	185
Widowed	988	1,177	1,238	8	226	1,004	Widowed	4,915	6,989	7,088	18	1,389	5,685
Divorced	758	2,208	2,974	773	1,889	308	Divorced	844	1,873	2,006	438	1,883	436

Spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-30, No. 418 and earlier reports; and unpublished data.

## NO. 73. PERSONS LIVING ALONE, BY SEX AND AGE: 1970 TO 1986

[As of March. Based on Current Population Survey; see headnote, table 60]

SEX AND AGE	NUMBER OF PERSONS (1,000)							PERCENT DISTRIBUTION			
	1970	1975	1980	1985	1984	1985	1986	1970	1975	1980	1986
Both sexes	10,851	13,868	18,296	18,296	18,854	21,178	21,178	100.0	100.0	100.0	100.0
Male	556	1,111	1,725	1,303	1,303	1,324	1,303	5.1	8.0	9.4	6.6
Female	1,804	2,744	4,729	5,578	5,868	6,228	6,523	14.8	18.7	25.8	30.8
Under 18	3,822	4,076	4,514	4,515	4,810	4,838	4,840	33.4	28.2	24.7	23.4
18 and over	5,071	6,008	7,328	7,955	7,968	8,112	8,318	46.7	43.1	40.1	39.3
Under 18	3,822	4,076	4,514	4,515	4,810	4,838	4,840	33.4	28.2	24.7	23.4
Male	274	610	947	872	808	750	736	2.5	4.4	5.2	3.5
Female	939	1,088	2,880	3,441	3,455	3,713	3,852	8.6	12.1	15.0	18.7
18 and over	1,182	1,329	1,813	1,714	1,779	1,845	1,916	10.8	8.5	8.8	9.1
Male	1,174	1,280	1,488	1,624	1,585	1,614	1,681	10.6	8.3	8.1	7.9
Female	7,318	6,821	11,288	11,799	12,425	12,858	12,893	67.8	64.7	61.9	65.9
Male	282	501	779	631	608	573	564	2.6	3.6	4.3	3.1
Female	671	1,055	1,808	2,135	2,414	2,514	2,571	6.2	7.8	9.9	12.1
18 and over	2,470	2,747	2,901	2,901	3,051	3,085	3,081	22.6	19.7	15.9	14.3
Male	3,897	4,718	5,842	6,232	6,371	6,486	6,538	35.8	33.8	31.9	31.9

Male and 1975, persons 14-24 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-30, No. 418 and earlier reports; and unpublished data.

NO. 74. POPULATION IN INSTITUTIONS AND OTHER GROUP QUARTERS, BY SEX AND TYPE OF QUARTERS: 1980 TO 1980

[In thousands. As of April 1. Based on sample data and subject to sampling variability; see text, section 1 and Appendix III *Historical Statistics, Colonial Times to 1970*, series A 359-371, for inmates of institutions]

TYPE OF QUARTERS	1983	1970			1960	
		Total	Male	Female	Total	Male
Total.....	4,902	5,788	3,438	2,349	5,733	3,159
Institutional inmates.....	1,997	2,127	1,126	1,000	2,492	1,231
Homes for the aged and dependent.....	470	928	298	629	1,426	422
Mental hospitals and residential treatment centers.....	830	434	245	189	255	157
Correctional institutions.....	346	328	314	15	468	439
Tuberculosis hospitals.....	85	17	12	5	8	6
Chronic disease hospitals (excl. TB and mental).....	42	67	38	29	61	36
Homes and schools for the mentally handicapped.....	175	202	114	88	149	85
Homes and schools for the physically handicapped.....	24	23	16	6	27	15
Homes for dependent and neglected children.....	73	48	26	19	38	24
Homes for unwed mothers.....	3	4	(Z)	4	2	-
Training schools for juvenile delinquents.....	48	66	53	14	42	34
Detention homes.....	11	10	7	4	17	14
College dormitories.....	629	1,765	891	874	1,964	989
Military quarters.....	885	1,025	1,006	20	671	619
Rooming and boarding houses.....	634	330	191	139	178	107
Other.....	684	539	224	315	404	212

- Represents or rounds to zero.      Z Fewer than 500.  
Source: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, vol. I, chapter D, and vol. II; *Census of Population* vols. I and II; and *1980 Census of Population*, vol. 2 (PC80-2-4D).

NO. 75. RELIGIOUS PREFERENCE, CHURCH MEMBERSHIP AND ATTENDANCE: 1957 TO 1986

[In percent. Covers civilian noninstitutional population, 18 years old and over. Data represent averages of the combined res several surveys during year. Data are subject to sampling variability, see source]

YEAR	RELIGIOUS PREFERENCE					Church/ syna- gogue mem- bers	Persons attend- ing church/ syna- gogue <sup>1</sup>	AGE AND REGION	Of 9 me 1
	Protes- tant	Catho- lic	Jewish	Other	None				
1957.....	68	26	3	1	3	<sup>2</sup> 73	47	18-29 years old.....	
1967.....	67	25	3	3	2	<sup>2</sup> 73	43	30-49 years old.....	
1975.....	62	27	2	4	6	71	41	50 years and over.....	
1980.....	61	28	2	2	7	69	40		
1984.....	57	28	2	4	9	68	40	East <sup>4</sup> .....	
1986.....	57	28	2	4	9	71	42	Midwest <sup>5</sup> .....	
1986.....	59	27	2	4	8	89	40	South <sup>6</sup> .....	
								West <sup>7</sup> .....	

<sup>1</sup> Persons who attended a church or synagogue in the last seven days.    <sup>2</sup> 1952 data.    <sup>3</sup> 1965 data.    <sup>4</sup> ME, NH, I CT, VT, MA, NJ, PA, WV, DE, MD, and DC.    <sup>5</sup> OH, IN, IL, MI, MN, WI, IA, ND, SD, KS, NE, and MO.    <sup>6</sup> KY, TN, VA, N GA, FL, AL, MS, TX, AR, OK, and LA.    <sup>7</sup> AZ, NM, CO, NV, MT, ID, WY, UT, CA, WA, OR, AK, and HI.  
Source: Gallup Opinion Poll, Princeton, NJ, "Religion in America" in *The Gallup Report*, periodic.

NO. 76. RELIGIOUS BODIES—CHURCH MEMBERSHIP, 1960 TO 1985, AND NUMBER OF CHURCH 1985

[Membership in thousands, except as indicated. See headnote, table 77. See also *Historical Statistics, Colonial Times to series H 793-799*]

RELIGIOUS BODY	MEMBERSHIP					
	1965	1970	1975	1980	1984	1985
Total.....	114,449	131,045	131,013	134,817	142,172	142,988
Members as percent of population <sup>1</sup> .....	64	83	61	59	60	60
Average members per local church.....	359	399	383	401	409	413
Buddhist Churches of America.....	20	100	80	60	100	100
Eastern Churches.....	2,699	3,850	3,606	3,823	4,053	4,088
Jews <sup>2</sup> .....	5,367	5,870	6,115	5,920	5,817	5,836
Old Catholic, Polish National Catholic, and Armenian Churches.....	590	848	848	924	1,024	1,084
The Roman Catholic Church.....	42,105	48,215	48,882	50,450	52,286	52,655
Protestants <sup>3</sup> .....	83,889	71,713	71,043	73,479	78,702	79,086
Miscellaneous <sup>4</sup> .....		449	372	161	190	191

X Not applicable.    <sup>1</sup> Based on Bureau of the Census estimated total population as of July 1.    <sup>2</sup> Estimates of community including those identified with Orthodox, Conservative and Reformed synagogues or temples.    <sup>3</sup> Includes tant bodies such as "Latter-day Saints" and "Jehovah's Witnesses."    <sup>4</sup> Includes non-Christian bodies such as "Ethical Culture Movement," and "Unitarian-Universalists."  
Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American Canadian Churches*, annual. (Copyright.)



NO. 77. RELIGIOUS BODIES—SELECTED DATA

its latest information available from religious bodies with memberships of 50,000 or more; excludes a few groups giving . Not all groups follow same calendar year nor count membership in same way; some groups give only approximate Roman Catholics count all baptized persons, including infants; Jewish statistics are estimates of the number of persons Jewish households including as a consequence of intermarriage, approximately 7.4 percent non-Jewish persons, Eastern x Churches include all persons in their nationality or cultural groups; most Protestant bodies count only persons who gained full membership, and previous estimates have indicated that all but a small minority of these are over 13 years of ever, many Lutheran bodies and The Episcopal Church report all baptized persons, and not only those confirmed. Data appear in italics are "noncurrent," i.e., they are reported for 1984 or earlier. All other data are "current" and were [ in 1988 or 1989]

RELIGIOUS BODY	Year	Churches reported	Members- hip (1,000)	Pastors serving parishes	Sunday school enrollment <sup>1</sup> (1,000)
all .....	(x)	345,961	142,926	325,111	66,802
is with membership of 50,000 or more.....	(x)	338,488	141,475	314,832	29,279
data.....	(x)	208,479	108,552	217,970	29,279
ent data .....	(x)	121,001	32,823	88,062	(NA)
ethodist Episcopal Church .....	1981	6,200	2,210	6,090	(NA)
ethodist Episcopal Zion Church .....	1984	6,057	1,202	6,090	(NA)
Baptist Association.....	1983	1,641	225	(NA)	(NA)
Baptist Churches in the U.S.A.....	1980	5,814	1,630	4,903	385
Carpatho-Russian Orthodox Greek Catholic Church .....	1978	70	100	61	(NA)
Lutheran Church, The.....	1980	4,949	2,332	4,679	578
Orthodox Christian Archdiocese of North America, The .....	1984	120	280	155	(NA)
Catholic Assyrian Church of the East, N. American Diocese .....	1984	24	00	54	(NA)
Overcoming Holy Church of God .....	1988	300	75	300	(NA)
Apostolic Church of America.....	1986	27	225	20	23
Church of America, Diocese of the .....	1978	68	450	45	(NA)
is of God .....	1935	10,761	2,083	14,908	1,443
ble Fellowships, International .....	1980	3,449	1,486	3,400	750
neral Conference .....	1989	753	183	1,070	79
ionary Association of America .....	1985	1,367	228	1,500	99
Churches of America .....	1984	100	100	70	(NA)
Eastern Orthodox Church (Diocese of N. and S. America and n) .....	1971	13	68	(NA)	(NA)
and Missionary Alliance, The .....	1955	1,646	228	1,886	168
Church (Disciples of Christ) .....	1935	4,214	1,116	4,040	341
Churches and Churches of Christ.....	1985	5,437	1,051	(NA)	(NA)
Congregation, Inc., The .....	1985	1,441	104	1,441	57
Methodist Episcopal Church .....	1988	2,340	719	2,340	(NA)
Reformed Church in North America .....	1985	660	220	(NA)	56
' God, The.....	1978	2,035	76	1,910	(NA)
' God (Anderson, IN).....	1985	2,291	186	1,924	203
' God (Cleveland, TN) .....	1984	5,346	506	6,341	(NA)
' God in Christ, The .....	1982	8,882	3,710	8,204	(NA)
' God in Christ, International, The .....	1982	300	280	700	(NA)
' God of Prophecy, The .....	1985	2,051	74	5,976	92
' Jesus Christ of Latter-day Saints, The .....	1985	8,396	3,990	25,166	3,587
' the Brethren .....	1985	1,045	159	984	61
' the Nazarene .....	1985	4,908	522	4,059	815
' of Christ .....	1985	13,150	1,804	(NA)	(NA)
' ly Churches, International Council of .....	1985	350	200	(NA)	(NA)
' tional Christian Churches, National Association of .....	1985	494	108	583	(NA)
' tive Baptist Association of America .....	1982	1,140	225	(NA)	(NA)
' thodox Church .....	1980	28	115	68	(NA)
' nd Presbyterian Church .....	1985	618	98	583	47
' Church, The .....	1985	7,274	2,739	7,909	561
' al Covenant Church, The .....	1985	598	65	502	72
' al Free Church of America .....	1980	960	96	(NA)	(NA)
' al Lutheran Churches, The Association of .....	1982	272	111	334	(NA)
' odist Church of North America .....	1985	1,048	72	986	110
' Baptists.....	1985	2,548	216	2,800	163
' ited Meeting .....	1985	536	57	327	28
' al Fellowship of Churches and Ministers, International .....	1985	450	65	650	45
' ssociation of Regular Baptist Churches.....	1981	1,571	301	2,000	(NA)
' aptists (General Association of).....	1985	875	73	(NA)	(NA)
' thodox Archdiocese of North and South America .....	1977	535	1,950	610	(NA)
' ant Fundamental Churches of America.....	1980	1,019	120	782	(NA)
' nel Church of the Foursquare Gospel .....	1985	1,165	178	1,264	64
' s Witnesses.....	1980	6,228	730	-	-
' .....	1985	3,416	5,885	(NA)	(NA)
' ptist Fellowship .....	1983	287	130	374	(NA)
' Church in America.....	1985	5,817	2,606	5,199	651

Notes at end of table.

No. 77. RELIGIOUS BODIES—SELECTED DATA—Continued

[See headnote, p. 53]

RELIGIOUS BODY	Year	Churches reported	Member-ship (1,000)	Pastors serving parishes	Size of Jewish community (1)
Bodies with membership of 50,000 or more—Con.					
Lutheran Church—Missouri Synod, The.....	1985	5,876	2,636	5,093	
Mennonite Church.....	1985	989	91	1,562	
National Baptist Convention of America.....	1958	11,398	2,889	7,598	
National Baptist Convention, U.S.A., Inc.....	1958	26,000	5,500	26,000	
National Primitive Baptist Convention, Inc.....	1975	608	250	460	
North American Old Roman Catholic Church.....	1985	130	62	107	
Orthodox Church in America.....	1978	440	1,000	457	
Pentecostal Church of God.....	1985	1,142	90	(NA)	
Pentecostal Holiness Church, International.....	1984	1,461	113	1,530	
Plymouth Brethren.....	1984	1,150	98	(NA)	
Polish National Catholic Church of America.....	1980	162	282	141	
Presbyterian Church in America.....	1985	878	178	(NA)	
Presbyterian Church (U.S.A.).....	1985	11,554	3,048	10,832	
Primitive Baptists.....	1980	1,000	72	(NA)	
Progressive National Baptist Convention, Inc.....	1987	655	522	(NA)	
Reformed Church in America.....	1985	926	342	848	
Reorganized Church of Jesus Christ of Latter-day Saints.....	1985	1,101	192	16,411	
Roman Catholic Church, The.....	1985	24,251	52,655	35,155	
Romanian Orthodox Episcopate of America.....	1985	34	60	28	
Russian Orthodox Church Outside of Russia, The.....	1955	81	55	92	
Salvation Army, The.....	1985	1,088	428	2,553	
Serbian Eastern Orthodox Church in the U.S.A. and Canada.....	1982	78	97	57	
Seventh-day Adventists.....	1985	4,009	652	2,127	
Southern Baptist Convention.....	1985	36,896	14,477	38,880	
Triumph the Church and Kingdom of God in Christ (International).....	1972	475	54	860	
Ukrainian Orthodox Church in the U.S.A.....	1986	107	88	107	
Unitarian Universalist Association.....	1985	948	172	(NA)	
United Church of Christ.....	1985	6,408	1,694	5,103	
United Methodist Church, The.....	1984	37,980	9,267	21,430	
United Pentecostal Church, International.....	1985	3,408	500	(NA)	
Wesleyan Church, The.....	1985	1,714	110	1,464	
Wisconsin Evangelical Lutheran Synod.....	1985	1,179	415	1,069	
Bodies with membership of less than 50,000.....	(x)	19,481	1,461	11,079	

- Represents zero. NA Not available. X Not applicable. <sup>1</sup> Includes pupils, officers, and teachers. <sup>2</sup> Estimated size of Jewish community provided by American Jewish Yearbook.

Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American and Canadian Churches*, annual. (Copyright.)

No. 78. RELIGIOUS TELEVISION PROGRAM VIEWING, BY SELECTED CHARACTERISTICS: 1988

[in percent. As of April. Covers civilian noninstitutional population, 18 years old and over. Based on a sample of 1,571 adults subject to sampling variability; contact source]

CHARACTERISTIC	PERCENTAGE WHO WATCH RELIGIOUS TELEVISION		Percent who don't watch	CHARACTERISTIC	PERCENTAGE WHO WATCH RELIGIOUS TELEVISION		Percent who don't watch
	Total <sup>1</sup>	Weekly			Total <sup>1</sup>	Weekly	
Total <sup>2</sup> .....	49	25	51	Region: <sup>3</sup>			
Age:				East.....	36	17	
18-29 years old.....	39	18	61	Midwest.....	46	21	
30-49 years old.....	47	22	53	South.....	62	37	
50 years and over.....	58	33	42	West.....	48	21	
Sex:				Education:			
Male.....	44	21	56	Not high school graduate.....	64	41	
Female.....	53	29	47	High school graduate.....	48	22	
Race:				Some college.....	45	20	
White.....	46	23	54	College graduate.....	42	18	
Black.....	68	39	32	Religious belief:			
				Evangelicals.....	79	46	
				Nonevangelicals.....	36	15	

<sup>1</sup> Includes those who watched religious television program 8 or more days ago. <sup>2</sup> Includes other races, not shown separately.

<sup>3</sup> See footnotes 4, 5, 6, and 7; table 75.

Source: Gallup Opinion Poll, Princeton, NJ, press release.

## 9. CHRISTIAN CHURCH ADHERENTS, 1960, AND JEWISH POPULATION, 1966—STATES

Church adherents were defined as "all members, including full members, their children and the estimated number of other persons who are not considered as communicant, confirmed or full members." Data on Christian church adherents are parts of 111 church bodies and exclude 16 church bodies that reported more than 100,000 members to the Yearbook of the United States (see table 77): African Methodist Episcopal Church; Progressive National Baptist Convention, Inc.; National Baptist Convention, Inc.; National Baptist Convention of America; Church of God in Christ; Church of God in Christ; Jehovah's Witnesses; United Pentecostal Church International; Roman Catholic Church of America; General Association of Regular Baptist Churches; Free Will Baptists; Church of God; National Council of Community Churches; Reorganized Church of Jesus Christ of Latter Day Saints; Independent Churches of America; Pentecostal Church of God of America, Inc.; and Wesleyan Church. Data on Jewish population are primarily on a compilation of individual estimates made by local Jewish federations. Additionally, most large communities completed Jewish demographic surveys from which the Jewish population can be determined. For composition of table 9, inside front cover]

DIVISION AND STATE	CHRISTIAN CHURCH ADHERENTS, 1960		JEWISH POPULATION, 1966		DIVISION AND STATE	CHRISTIAN CHURCH ADHERENTS, 1960		JEWISH POPULATION, 1966	
	Number (1,000)	Percent of population <sup>1</sup>	Number (1,000)	Percent of population <sup>1</sup>		Number (1,000)	Percent of population <sup>1</sup>	Number (1,000)	Percent of population <sup>1</sup>
South Atlantic	111,736	49.3	5,814	2.5	South Atlantic	16,847	44.8	889	2.5
Delaware	27,029	55.0	3,082	6.2	Delaware	238	40.1	10	1.8
Maryland	31,204	53.0	657	1.1	Maryland	1,879	38.7	308	4.6
District of Columbia	37,518	46.8	1,088	1.3	District of Columbia	304	47.8	24	3.8
Virginia	15,885	37.0	887	2.1	Virginia	2,221	41.5	80	1.1
West Virginia	7,981	39.8	417	3.3	West Virginia	772	38.8	4	.2
North Carolina	401	41.0	9	.8	North Carolina	5,189	63.8	14	.2
South Carolina	407	44.2	7	.7	South Carolina	1,889	51.3	8	.2
Georgia	344	47.7	4	.7	Georgia	2,580	48.8	80	1.0
Florida	3,889	84.0	273	4.7	Florida	3,707	38.0	519	4.7
East South Central	710	75.0	18	1.8	East South Central	8,879	65.1	48	.8
Kentucky	1,880	60.8	107	3.4	Kentucky	1,979	54.1	12	.2
Tennessee	19,848	53.4	2,876	7.8	Tennessee	2,485	54.1	20	.4
Alabama	6,548	48.7	1,911	10.8	Alabama	2,230	57.3	10	.3
Mississippi	3,923	53.2	421	5.8	Mississippi	1,385	54.8	3	.1
West South Central	7,177	60.5	343	2.9	West South Central	13,488	85.8	128	.8
Arkansas	29,888	80.3	832	1.3	Arkansas	1,282	58.1	2	.1
Louisiana	5,308	49.1	138	1.3	Louisiana	2,404	57.2	17	.4
Oklahoma	2,451	44.8	20	.4	Oklahoma	1,751	57.8	8	.2
Texas	6,251	54.7	280	2.2	Texas	7,752	54.5	85	.8
Mountain	3,932	42.5	82	.9	Mountain	5,541	48.1	141	1.1
Montana	3,029	84.4	31	.7	Montana	348	44.2	(2)	.1
Idaho	10,326	88.8	138	.7	Idaho	472	50.0	(2)	.1
Wyoming	2,844	84.9	31	.8	Wyoming	207	44.0	(2)	.1
Colorado	1,781	81.1	7	.2	Colorado	1,052	38.4	48	1.5
New Mexico	2,813	53.1	65	1.3	New Mexico	757	58.9	5	.4
Arizona	482	73.8	1	.1	Arizona	1,085	38.2	84	2.1
Utah	482	68.8	1	.1	Utah	1,087	75.1	3	.2
Nevada	980	83.1	7	.4	Nevada	233	28.1	19	2.1
Pacific	1,262	53.4	15	.5	Pacific	16,748	23.8	886	2.5
Washington					Washington	1,275	30.9	23	.5
Oregon					Oregon	948	35.9	11	.4
California					California	8,082	34.1	814	3.2
Alaska					Alaska	123	30.6	1	.2
Hawaii					Hawaii	319	32.1	8	.7

Item 500. <sup>1</sup> Based on U.S. Bureau of the Census data for resident population enumerated as of April 1, 1960 and of July 1966.

Christian church adherents—B. Quinn, H. Anderson, M. Bradley, P. Goetting, and P. Shriver, *Churches and Church Membership in the United States 1960*, Glenmary Research Center, Atlanta, GA, 1962 (copyright); Jewish population—American Jewish Archives and the American Jewish Publication Society, New York, NY, *American Jewish Year Book*, 1967 (copyright).

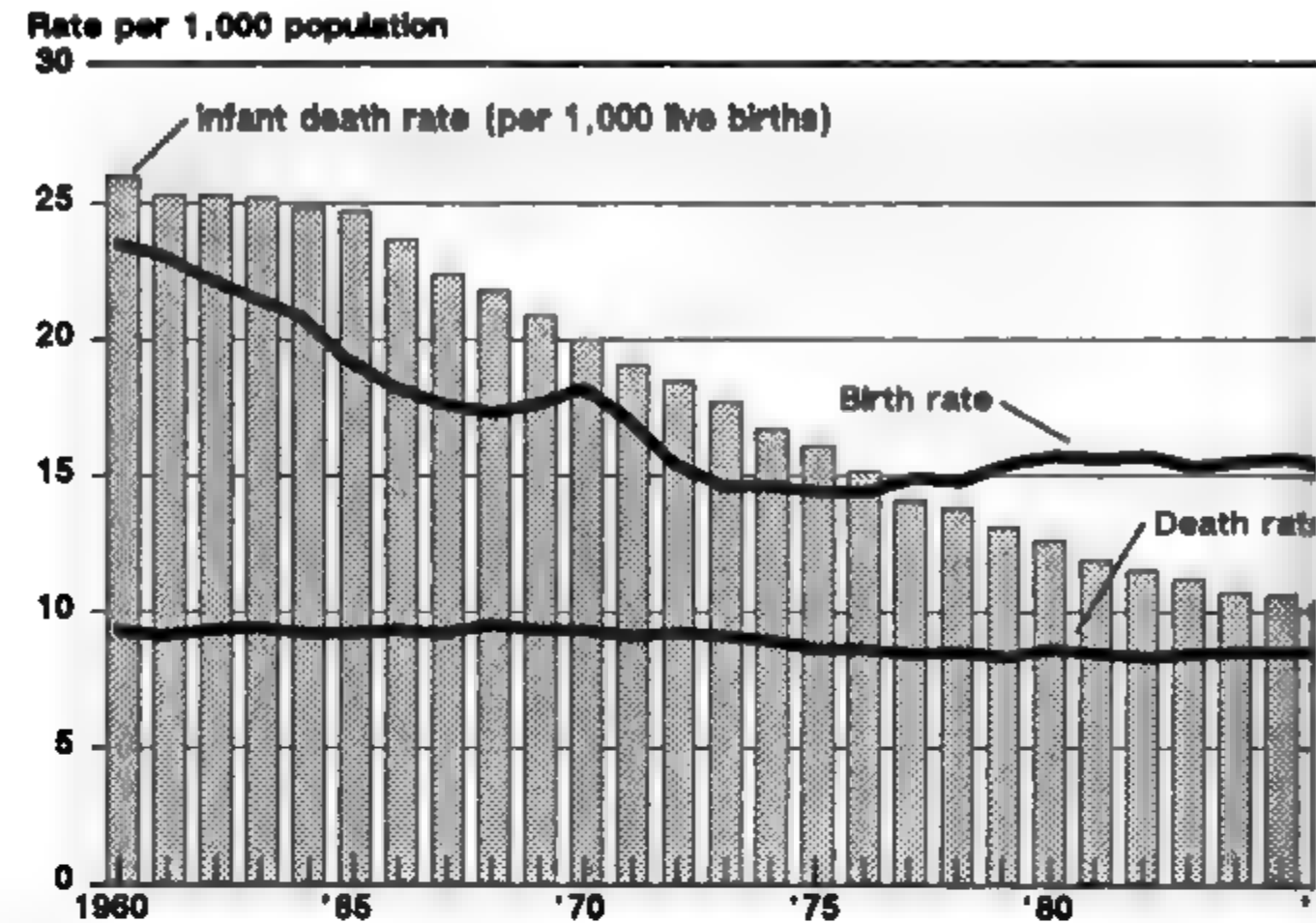
## NO. 80. NATIONAL NONPROFIT ASSOCIATIONS—NUMBER, BY TYPE: 1970 TO 1986

TYPE	1970	1980	1988	1988	TYPE	1970	1980	1988	1988
Public affairs	18,734	14,736	18,121	28,978	Public affairs	468	1,088	1,835	2,148
Religious, foreign interest, nationally, ethnic	2,885	3,118	3,718	5,851	Religious, foreign interest, nationally, ethnic	810	435	482	831
Religious	808	877	882	888	Religious	808	787	863	881
Veteran, hereditary, patriotic	346	529	688	688	Veteran, hereditary, patriotic	185	208	391	391
Hobby, avocational	548	1,088	1,270	1,308	Hobby, avocational	848	810	1,311	1,311
Athletic sports	1,383	2,378	2,822	2,851	Athletic sports	338	504	737	768
Labor unions	475	884	1,480	1,843	Labor unions	226	235	382	382
Chambers of Commerce	880	1,413	1,880	1,882	Chambers of Commerce	110	105	142	182
Greek letter societies					Greek letter societies	334	318	331	338

Associations not shown separately. <sup>1</sup> National and binational.

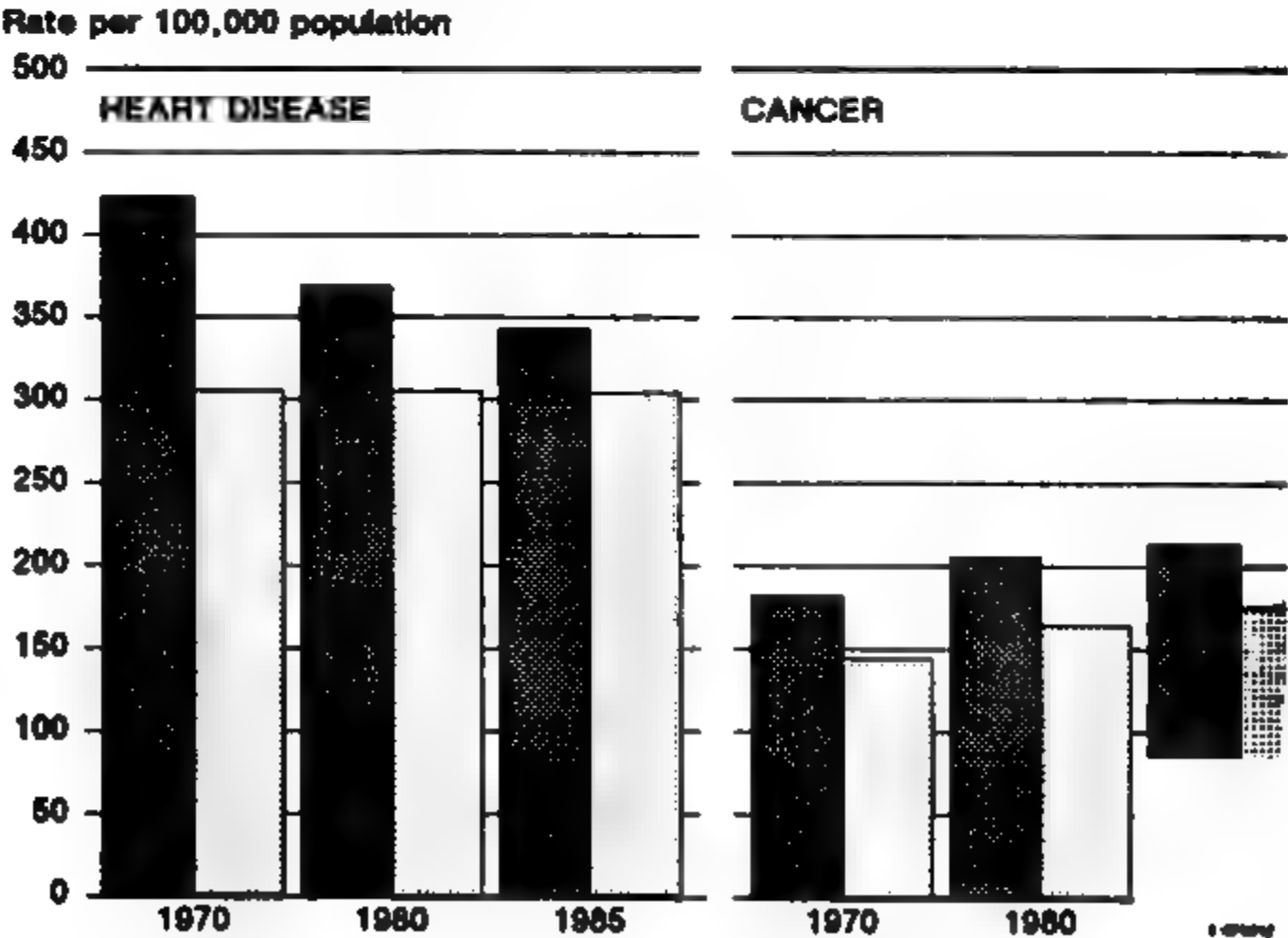
Source: Research Co., Detroit, MI. Compiled from *Encyclopedia of Associations*, annual. (Copyright.)

Figure 2.1  
Birth and Death Rates: 1960 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data see table 81.

Figure 2.2  
Death Rates, by Cause: 1970 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 120 and 121.



## Section 2

# Vital Statistics

This section presents vital statistics—data on births; deaths; abortions; fetal deaths, including stillbirths; fertility; life expectancy; marriages; and divorces. Vital statistics are compiled for the country as a whole by the National Center for Health Statistics (NCHS) and published in its annual report, *Vital Statistics of the United States*, in certain reports of the *Vital and Health Statistics* series, and in the *Monthly Vital Statistics Report*. Reports in this field are also issued by the various State bureaus of vital statistics. Data on fertility, on age of persons at first marriage, and on marital status and marital history are compiled by the Bureau of the Census from its Current Population Survey (CPS; see text, section 1) and published in *Current Population Reports*, series P-20. Data on abortions are published by the Alan Guttmacher Institute, New York, NY in selected issues of its *Planning Perspectives* and by the U.S. Centers for Disease Control in the annual *Abortion Surveillance Report—Legal Abortions*.

**Registration of vital events.**—The registration of births, deaths, fetal deaths, and other vital events in the United States is primarily a State and local function. The civil laws of every State provide for a continuous and permanent birth- and death-registration system. Many States also provide for marriage- and divorce-registration systems. Vital events occurring to U.S. residents outside the United States are not included in the data.

**Births and deaths.**—The live-birth, death, and fetal-death statistics prepared by NCHS are based on copies of vital records received from registration offices of all States, of New York City, and of the District of Columbia. The annual collection of death statistics on a national basis began in 1900 with a national death-registration area of 10 States and the District of Columbia; a similar annual collection of birth statistics for a national birth-registration area began in 1915, also with 10 States and the District of Columbia. Since 1933, the birth- and death-registration areas have comprised the entire United States, including Alaska (beginning 1966) and Hawaii (beginning 1970). National statistics on fetal deaths were first compiled for 1918 and annually since 1922.

Prior to 1951, birth statistics came from a complete count of records received in the Public Health Service (now received in NCHS). From 1951 through 1971, they were based on a 50-percent sample of all registered births (except for a complete count in 1966 and a 20- to 50-percent sample in 1967). Beginning in 1972, they have been based on a complete count for States in the operative Health Statistics System (for details, see the technical appendix in *Vital Statistics of the United States*) and on a 50-percent sample of all other areas. Mortality data have been based on a complete count of records for each area (except for a 50-percent sample in 1972). Beginning in 1970, births to, and deaths of nonresident aliens of the United States and U.S. citizens outside the United States have been excluded from the data. Fetal deaths and deaths among Armed Forces abroad are excluded. Data based on samples are subject to sampling error; for details, see technical issues of *Vital Statistics of the United States*.

**Mortality statistics by cause of death** are compiled in accordance with World Health Organization definitions according to the *International Classification of Diseases* (ICD). The ICD is revised approximately every 10 years. The ninth revision of the ICD was employed beginning in 1979. Deaths prior years were classified according to the revision of the ICD in use at the time. Each revision of the ICD introduces a number of discontinuities in mortality statistics; for a discussion of those between the eighth and ninth revisions of the ICD, see *Monthly Vital Statistics Report*, vol. 28, No. 1, supplement.

Some of the tables present age-adjusted death rates in addition to crude death rates. Age-adjusted death rates shown in this section were prepared using the direct method, in which age-specific death rates for a population of interest are applied to a standard population distributed by age. Age adjustment eliminates the differences in observed rates between points in time or among compared population groups that result from age differences in population composition.

**Abortions.**—The U.S. Centers for Disease Control (CDC) collects data on abortions annually in States which have a central health agency with a statewide reporting system. The Alan Gut-

macher Institute, New York, NY also issues data on the number of abortions based on its own surveys of hospitals and physicians. The Guttmacher Institute also publishes data on the characteristics of abortions after adjusting CDC data for changes in the number of States reporting each year.

**Fertility and life expectancy.**—The total fertility rate, defined as the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year, is compiled and published by NCHS. Other data relating to social and medical factors which affect fertility rates, such as contraceptive use and birth expectations, are collected and made available by both NCHS and the Bureau of the Census. NCHS figures are based on information in birth and fetal death certificates and on the periodic National Surveys of Family Growth; Bureau of the Census data are based on decennial censuses and the CPS.

Data on life expectancy, the average remaining lifetime in years for persons who attain a given age, are computed and published by NCHS. For details, see the technical appendix in *Vital Statistics of the United States*.

**Marriage and divorce.**—The compilation of nationwide statistics on marriages and divorces in the United States began in 1887-1888 when the National Office of Vital Statistics prepared estimates for the years 1887-1888. Although periodic updates took place after 1888, marriage and divorce statistics were not collected and published annually until 1944 by that Office. In 1957 and 1958, respectively, the same Office established marriage- and divorce-registration areas. Beginning in 1957, the marriage-registration area comprised 30 States, plus Alaska, Hawaii, Puerto Rico, and the Virgin Islands; it currently includes 42 States and the District of Columbia. The divorce-registration area, starting in 1958 with 14 States, Alaska, Hawaii, and the Virgin Islands, currently includes a total of 31 States and the Virgin Islands. Procedures for estimating the number of marriages and divorces in the registration States are discussed in *Vital Statistics of the United States*, Vol. III—*Marriage and Divorce*. Total counts of events for registration and nonregistration States are gathered by collecting already summarized data on marriages and divorces reported by State offices of vital statistics and by county offices of registration.

Another important source of data on marriage and divorce trends in the United States is the March supplement to the Current Population Survey conducted by the Bureau of the Census. For information on marital status, see section 1.

**Vital statistics rates.**—Except as noted, vital statistics rates computed by NCHS are based on decennial census population figures as of April 1 for 1940, 1950, 1960, 1970, and 1980; and on midyear population figures for other years, as estimated by the Bureau of the Census (see text, section 1).

**Race.**—Data by race for births, deaths, marriages, and divorces from NCHS are based on information contained in the certificates of registration. The Census Bureau's Current Population Survey obtains information on race by asking respondents to classify their race as 1) White, 2) Black, 3) American Indian, Eskimo, or Aleut, or 4) Asian or Pacific Islander.

**Statistical reliability.**—For discussion of statistical collection, estimation, and sampling procedures, and measures of statistical reliability applicable to Census Bureau and NCHS data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSA may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

No. 81. LIVE BIRTHS, DEATHS, MARRIAGES, AND DIVORCES: 1910 TO 1986

0, excludes Alaska and Hawaii. Figures for deaths and death rates for 1910-1930 are for death-registration States ending 1970, excludes births to, and deaths of, nonresidents of the U.S. See Appendix III. See also *Historical Statistics, 1959 to 1970*, series B 1-5, B 142, B 167, B 214, and B 216]

YEAR	NUMBER (1,000)					RATE PER 1,000 POPULATION				
	Births <sup>1</sup>	Deaths		Mar-riages <sup>2</sup>	Di-vores <sup>3</sup>	Births <sup>1</sup>	Deaths		Mar-riages <sup>2</sup>	Di-vores <sup>3</sup>
		Total	In-fant <sup>4</sup>				Total	In-fant <sup>4</sup>		
.....	2,777	697	(NA)	946	63	30.1	14.7	(NA)	10.3	.9
.....	2,965	916	78	1,006	104	29.5	13.2	99.9	10.0	1.0
.....	2,950	1,116	130	1,274	171	27.7	13.0	85.8	12.0	1.6
.....	2,909	1,192	135	1,188	175	25.1	11.7	71.7	10.3	1.5
.....	2,618	1,327	142	1,127	196	21.3	11.3	64.6	9.2	1.6
.....	2,377	1,363	120	1,327	216	16.7	10.0	55.7	10.4	1.7
.....	2,559	1,417	111	1,596	264	19.4	10.6	47.0	12.1	2.0
.....	2,559	1,402	105	1,613	496	20.4	10.6	36.3	12.2	3.5
.....	3,632	1,452	104	1,667	365	24.1	9.6	29.2	11.1	2.6
.....	4,097	1,529	107	1,531	377	25.0	9.3	25.4	9.3	2.3
.....	4,300	1,633	112	1,518	361	25.3	9.6	25.3	8.9	2.2
.....	4,256	1,712	111	1,523	393	23.7	9.5	26.0	8.5	2.2
.....	3,760	1,626	93	1,660	479	19.4	9.4	24.7	9.3	2.5
.....	3,606	1,363	86	1,657	496	16.4	9.5	23.7	9.5	2.5
.....	3,521	1,651	79	1,927	523	17.8	9.4	22.4	9.7	2.6
.....	3,502	1,630	76	2,069	584	17.8	9.7	21.8	10.4	2.9
.....	3,600	1,922	75	2,145	639	17.9	9.5	20.7	10.6	3.2
.....	3,731	1,921	75	2,159	706	16.4	9.5	20.0	10.6	3.5
.....	3,556	1,626	66	2,190	773	17.2	9.3	19.1	10.6	3.7
.....	3,256	1,964	60	2,262	845	15.6	9.4	18.5	10.9	4.6
.....	3,137	1,973	56	2,264	915	14.6	9.3	17.7	10.6	4.3
.....	3,160	1,964	53	2,230	977	14.6	9.1	16.7	10.5	4.6
.....	3,144	1,693	51	2,153	1,036	14.6	8.9	16.1	10.0	4.6
.....	3,166	1,909	46	2,155	1,063	14.6	8.6	15.2	9.9	5.0
.....	3,327	1,900	47	2,176	1,091	15.1	8.6	14.1	9.9	5.0
.....	3,333	1,926	46	2,262	1,130	15.0	8.7	13.6	10.3	5.1
.....	3,494	1,914	46	2,331	1,161	15.6	8.5	13.1	10.4	5.3
.....	3,612	1,900	46	2,360	1,169	15.9	8.6	12.6	10.6	5.2
.....	3,629	1,976	43	2,422	1,213	15.6	8.6	11.9	10.6	5.3
.....	3,661	1,975	42	2,456	1,170	15.9	8.5	11.5	10.6	5.0
.....	3,639	2,019	41	2,446	1,156	15.5	8.6	11.2	10.5	4.9
.....	3,669	2,039	40	2,477	1,166	15.5	8.6	10.6	10.5	5.0
.....	3,761	2,066	40	2,425	1,167	15.6	8.7	10.6	10.2	5.0
.....	3,731	2,039	39	2,400	1,159	15.5	8.7	10.4	10.0	4.6

available. <sup>1</sup> Through 1957, adjusted for underregistration. <sup>2</sup> Infants under 1 year, excluding fetal deaths; rates registered live births. <sup>3</sup> Includes estimates for some States through 1899 and also for 1976 and 1977 and marriage some States for all years except 1973 and 1975. Beginning 1976, includes nonlicensed marriages in California, reported annulments and some estimated State figures for all years. <sup>4</sup> Preliminary.

U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

82. TOTAL FERTILITY RATE AND INTRINSIC RATE OF NATURAL INCREASE: 1940 TO 1985

Alaska prior to 1959 and Hawaii prior to 1960. Prior to 1960, based on births adjusted for underregistration; thereafter, births only. Beginning 1970, excludes births to nonresidents of United States. The *total fertility rate* is the number of 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the year. A total fertility rate of 2,110 represents "replacement level" fertility for the total population under current mortality (assuming no net immigration). The *intrinsic rate of natural increase* is the rate that would eventually prevail if a were to experience, at each year of age, the birth rates and death rates occurring in the specified year and if those rates remained unchanged over a long period of time. Minus sign (-) indicates decrease. See also Appendix III, and *Historical Statistics, 1959 to 1970*, series B 11]

TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE			YEAR	TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE		
Total	White	Black and other	Total	White	Black and other		Total	White	Black and other	Total	White	Black and other
2,523	2,460	3,010	4.6	3.9	9.8	1971.....	2,267	2,161	2,920	2.6	.8	12.6
2,965	2,916	3,485	11.7	10.9	17.2	1972.....	2,010	1,907	2,626	-2.0	-3.9	6.6
3,337	3,221	4,165	16.6	15.4	25.7	1973.....	1,679	1,783	2,444	-4.5	-6.5	5.7
3,660	3,549	4,716	21.1	19.5	30.7	1974.....	1,635	1,749	2,339	-5.4	-7.2	4.0
3,449	3,326	4,326	18.6	17.1	27.7	1975.....	1,774	1,666	2,276	-6.7	-8.6	3.0
2,622	2,512	3,362	8.2	6.4	16.6	1976.....	1,736	1,652	2,223	-7.4	-9.3	2.1
2,094	1,997	2,690	-7	-2.5	9.1	1977.....	1,790	1,703	2,276	-6.2	-8.1	3.2
1,774	1,665	2,270	-6.6	-8.5	3.0	1978.....	1,760	1,666	2,264	-6.6	-8.6	2.9
1,619	1,731	2,262	-5.4	-7.3	3.0	1979.....	1,606	1,715	2,310	-5.7	-7.7	3.6
						1980.....	1,640	1,749	2,323	-5.1	-7.0	4.0
2,913	2,783	3,606	12.1	10.3	23.1	1981.....	1,615	1,726	2,275	-5.5	-7.4	3.3
2,721	2,603	3,532	9.7	7.9	20.4	1982.....	1,629	1,742	2,264	-5.2	-7.0	3.0
2,556	2,447	3,299	7.4	5.6	16.2	1983.....	1,603	1,716	2,225	-5.7	-7.5	2.5
2,464	2,366	3,106	5.9	4.2	16.0	1984.....	1,606	1,719	2,224	-5.6	-7.4	2.4
2,456	2,360	3,061	5.7	4.1	15.4	1985.....	1,642	1,754	2,263	-4.6	-6.6	3.1
2,460	2,365	3,067	6.0	4.5	14.4							

U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.



NO. 83. BIRTHS AND BIRTH RATES: 1960 TO 1985

(Births in thousands, except as indicated. Beginning 1970, excludes births to nonresidents of U.S. For population bases used to derive those data, see text, section 2. See Appendix III. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series B 1, B 5-10, and B 12-20]

ITEM	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015
Live births <sup>1</sup>	4,388	3,790	3,731	3,144	3,333	3,464	3,612	3,639	3,681	3,638	3,681	3,761
Average annual percent change <sup>2</sup>	.8	-2.5	-2	-3.4	2.0	4.8	3.4	.5	1.4	-1.1	.8	2.5
White	3,801	3,124	3,091	2,552	2,661	2,808	2,899	2,909	2,942	2,904	2,924	2,991
Black	602	561	572	512	552	578	580	588	593	586	593	608
Male	2,180	1,827	1,815	1,613	1,709	1,791	1,853	1,860	1,886	1,866	1,879	1,928
Female	2,078	1,833	1,816	1,531	1,624	1,703	1,760	1,789	1,795	1,773	1,790	1,833
Males per 100 females	104.9	105.1	105.5	105.4	105.3	105.2	105.3	105.2	105.1	105.2	105.0	106.2
Age of mother												
Under 20 years	564	569	656	565	554	580	562	537	524	490	480	479
20-24 years	1,427	1,337	1,419	1,094	1,140	1,169	1,228	1,212	1,206	1,180	1,142	1,141
25-29 years	1,093	926	995	837	1,015	1,069	1,108	1,126	1,152	1,148	1,148	1,201
30-34 years	688	529	428	378	474	517	550	581	605	625	656	698
35-39 years	360	283	180	116	126	135	141	146	169	180	196	214
40 years or more	97	86	53	28	24	24	24	25	26	27	28	29
Birth rate per 1,000 population	23.7	19.4	18.4	14.8	16.0	16.8	16.9	16.8	16.9	16.5	16.8	16.8
White	22.7	18.3	17.4	13.8	14.0	14.5	14.9	14.8	14.9	14.6	14.5	14.8
Black	31.9	27.7	25.3	20.7	21.3	22.0	22.1	21.6	21.4	20.9	20.8	21.1
Male	24.7	20.3	19.4	15.4	15.8	16.4	16.8	16.7	16.7	16.4	16.3	16.6
Female	22.8	18.6	17.4	13.8	14.2	14.8	15.1	15.0	15.1	14.7	14.7	15.0
Plural birth ratio <sup>3</sup>	20.4	20.1	18.1	19.2	19.6	19.5	19.3	19.7	19.9	20.3	20.3	21.0
White	19.3	19.0	17.3	18.5	18.8	18.6	18.5	18.6	19.2	19.8	19.8	20.4
Black	(NA)	(NA)	22.8	23.1	24.2	24.2	24.1	24.7	24.1	24.5	24.2	25.3
Birth rate per 1,000 women <sup>4</sup>	118.0	96.6	87.9	66.0	65.5	67.2	68.4	67.4	67.3	65.8	65.4	68.2
White <sup>5</sup>	113.2	91.4	84.1	62.5	61.7	63.4	64.7	63.9	63.9	62.4	62.2	63.0
Black <sup>5</sup>	153.5	133.2	115.4	87.9	88.7	88.3	88.1	85.4	84.1	81.7	81.4	82.2
Age of mother												
10-14 years	.8	.8	1.2	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2
15-19 years	86.1	70.5	68.3	55.6	51.5	52.3	53.0	52.7	52.9	51.7	50.9	51.3
20-24 years	258.1	195.3	167.8	113.0	108.9	112.6	115.1	111.9	111.3	108.3	107.3	108.9
25-29 years	197.4	161.6	145.1	106.2	106.5	111.4	112.9	112.0	111.0	108.7	108.3	110.8
30-34 years	112.7	84.4	73.3	52.3	57.8	60.3	61.8	61.4	64.2	64.6	66.5	69.3
35-39 years	56.2	46.2	31.7	18.5	18.0	18.5	19.8	20.0	21.1	22.1	22.8	23.9
40-44 years	15.5	12.8	8.1	4.6	3.9	3.9	3.9	3.8	3.9	3.8	3.8	4.0
45-49 years	* .8	.8	.5	.3	.2	.2	.2	.2	.2	.2	.2	.2

NA. Not available. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> For explanation, see Guide to Tabular Presentation. For 1980, change from 1985. <sup>3</sup> Per 1,000 live births. <sup>4</sup> 1971 <sup>5</sup> Per 1,000 women, 15-44 years old in specified group. <sup>6</sup> Rate computed by relating births to mothers 45 years old and over to women 45 to 49 years old.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data

NO. 84. BIRTH RATES, BY LIVE-BIRTH ORDER AND RACE: 1960 TO 1985

(Births per 1,000 women 15-44 years old in specified racial group. Live-birth order refers to number of children born alive. Figures for births of order not stated are distributed. See also headline, table 83, and *Historical Statistics, Colonial Times to 1970*, series B 20-27)

LIVE-BIRTH ORDER	ALL RACES <sup>1</sup>					WHITE					BLACK				
	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985
Total	118.0	87.9	68.4	65.4	68.2	113.2	84.1	61.7	62.2	63.0	153.5	115.4	81.7	81.4	85
First birth	31.1	34.2	29.5	27.4	27.8	30.8	32.9	28.4	26.4	26.5	33.8	43.3	35.2	32.2	32
Second birth	29.2	24.2	21.8	21.7	22.0	29.2	23.7	21.0	21.1	21.4	29.3	27.1	25.7	24.1	25
Third birth	22.8	13.6	10.3	10.1	10.4	22.7	13.3	9.5	9.4	9.7	24.0	16.1	14.5	13.7	11
Fourth birth	14.8	7.2	3.9	3.7	3.8	14.1	6.8	3.4	3.2	3.3	18.6	10.0	6.7	6.3	
Fifth birth	8.3	3.8	1.5	1.4	1.4	7.5	3.4	1.3	1.1	1.1	14.1	6.4	3.0	2.7	
Sixth and seventh	7.6	3.2	1.0	.9	.9	6.1	2.7	.8	.7	.7	18.4	7.0	2.1	1.8	
Eighth and over	4.3	1.8	.4	.3	.3	2.8	1.2	.3	.2	.2	15.6	5.6	.9	.9	

<sup>1</sup> Includes other races not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data

## NO. 86. LIVE BIRTHS—NUMBER AND RATE, BY STATE: 1970 TO 1986

of births. Excludes births to nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig. 1, inside front cover.

DIVISION, AND STATE	NUMBER (1,000)								RATE PER 1,000 POPULATION <sup>a</sup>							
	By State of residence							By State of occurrence <sup>b</sup>	By State of residence							By State of occurrence <sup>b</sup>
	1970	1975	1980	1983	1984	1985	1986 <sup>c</sup>	1986 <sup>d</sup>	1970	1975	1980	1983	1984	1985	1986	1986 <sup>d</sup>
U.S.	3,731	3,144	3,612	3,639	3,688	3,761	3,766	3,731	18.4	14.6	16.9	15.5	15.6	15.8	15.8	15.6
Ala.	831	825	856	874	882	706	705	700	16.9	12.6	13.4	13.6	13.7	14.1	14.1	14.0
Alaska	1,038	855	966	900	901	909	907	885	18.4	14.8	16.2	15.3	15.3	15.3	15.3	14.8
Ariz.	1,208	1,002	1,232	1,258	1,267	1,300	1,306	1,303	19.2	15.3	18.4	15.6	15.7	15.9	15.9	15.7
Ark.	654	602	768	809	819	847	847	831	18.8	15.8	17.8	17.8	17.5	17.7	17.7	17.0
Cal.	286	146	163	168	172	178	180	179	16.8	12.3	13.1	13.5	13.7	14.2	14.2	13.4
Col.	18	15	16	17	17	17	18	16	17.9	14.2	14.6	14.6	14.5	14.5	13.9	13.6
Conn.	13	11	14	14	14	15	15	15	17.9	13.3	14.9	14.4	14.6	15.5	15.3	15.9
Del.	8	7	8	8	8	8	8	8	18.8	14.1	15.4	15.2	15.1	15.0	14.6	13.9
Fla.	96	86	73	76	78	82	83	79	16.8	11.9	12.7	13.2	13.5	14.1	14.3	13.0
Idaho	16	11	12	13	13	13	14	14	16.5	11.3	12.8	13.2	13.2	13.5	14.1	14.3
Ill.	50	36	39	41	42	44	44	41	16.7	11.6	12.6	13.1	13.4	13.9	13.6	12.7
Ind.	630	477	486	508	509	536	525	530	15.9	12.8	13.4	13.7	13.7	14.1	14.1	14.2
Iowa	318	236	239	248	251	259	260	265	17.4	13.1	13.6	14.1	14.1	14.6	14.7	14.9
Kan.	120	92	87	89	101	106	102	106	16.8	12.5	13.2	13.3	13.5	14.0	13.9	13.7
Kent.	193	149	159	158	157	161	162	160	16.3	12.5	13.4	13.3	13.2	13.5	13.7	13.5
La Central	754	619	686	634	627	634	639	619	16.7	14.8	16.8	15.9	16.1	16.2	16.1	14.9
La. Central	200	159	169	169	169	180	181	158	16.7	14.7	15.7	14.6	14.8	14.9	15.0	14.7
La. South	80	62	68	61	60	61	61	60	19.1	15.4	16.1	14.8	14.6	14.7	14.7	14.5
La. West	206	169	180	189	179	181	177	172	18.5	15.0	16.6	15.6	15.8	15.7	15.4	14.9
Me.	172	134	146	133	136	139	137	136	19.4	14.7	15.7	14.7	15.0	15.2	15.0	14.9
Mass.	78	65	75	73	73	74	73	72	17.6	14.3	15.9	15.3	15.4	15.4	15.3	15.1
Mich. Central	284	248	286	278	274	276	277	288	17.4	14.7	16.8	15.6	15.7	16.8	16.8	16.1
Mich. East	68	58	68	60	67	67	68	65	18.0	14.4	16.8	15.8	16.0	16.1	16.1	15.4
Mich. West	46	41	48	43	42	41	42	38	17.1	14.4	16.4	14.9	14.6	14.3	14.5	13.6
Miss.	81	69	79	76	75	77	79	78	17.3	14.3	16.1	15.2	14.9	15.3	15.8	15.0
Mont.	11	11	12	12	12	12	13	12	17.6	16.8	16.4	16.2	17.2	17.1	16.6	17.5
Nebr.	12	11	13	13	12	12	12	12	17.0	16.5	19.2	17.9	17.7	17.1	17.0	16.5
Nev.	26	24	27	26	26	26	26	24	17.3	16.4	17.4	16.4	16.3	15.9	16.1	15.3
N.H.	36	34	41	40	40	40	39	38	17.0	14.9	17.2	16.7	16.4	16.2	15.7	15.5
N.J.	574	488	547	583	576	599	601	607	18.7	14.0	14.8	14.6	14.8	14.9	14.9	14.8
N.M.	11	8	9	9	8	10	10	10	19.2	14.0	15.8	15.2	15.1	15.5	15.9	16.4
N.Y.	89	53	60	64	65	68	62	62	17.6	12.7	14.2	14.9	15.0	15.5	14.0	13.8
Pa. Columbia	15	10	9	9	10	10	20	20	20.1	13.7	14.7	15.0	15.5	15.8	22.0	32.8
Pa. East	86	70	78	81	83	86	84	84	18.8	13.9	14.7	14.5	14.7	15.1	14.5	14.6
Pa. West	31	28	29	26	25	24	24	24	17.8	15.3	15.1	13.2	12.6	12.5	13.0	12.6
R.I.	96	81	84	84	86	89	89	91	19.3	14.6	14.4	13.6	14.0	14.3	14.4	14.3
S.D.	52	47	52	51	51	52	52	50	20.1	16.1	16.6	15.6	15.3	15.6	14.8	14.7
Tenn.	97	80	92	90	92	96	96	99	21.1	15.8	16.7	15.7	15.8	16.1	16.4	16.2
Texas	115	132	149	155	164	164	167	167	16.9	12.4	13.5	13.9	14.1	14.4	14.4	14.3
Utah Central	246	219	240	223	221	223	226	222	19.4	15.9	16.4	15.0	14.7	14.8	14.8	14.8
Utah West	60	56	60	55	53	53	52	52	18.7	15.8	16.3	14.7	14.3	14.2	13.9	13.9
Vt.	72	62	69	65	65	67	72	72	18.4	14.6	15.1	14.0	13.8	14.0	15.0	15.0
W.V.	67	58	64	59	59	60	58	56	19.4	15.8	16.3	14.9	14.8	14.9	14.6	13.9
Wyo.	49	44	48	44	44	43	42	42	22.1	18.3	19.0	17.0	16.9	16.6	16.3	15.8
La. Central	386	361	444	470	470	478	481	475	20.0	16.9	18.7	18.2	17.9	18.0	18.1	17.7
La. East	36	34	37	35	35	35	35	34	18.5	16.0	16.3	15.1	14.9	14.9	14.8	14.4
La. West	74	68	62	63	61	61	62	70	20.4	17.5	19.5	18.6	18.3	18.2	18.2	17.3
La. South	46	43	52	57	54	53	52	46	17.5	15.4	17.2	17.2	16.5	16.1	15.7	14.5
La. Total	231	218	274	295	299	306	313	315	20.6	17.2	19.2	18.7	18.6	18.6	19.1	18.9
La. West	172	177	236	233	232	236	236	230	20.7	17.9	19.9	18.9	18.4	18.4	18.4	17.7
La. East	13	12	14	14	14	13	13	12	18.2	16.1	18.1	17.3	17.2	16.4	16.0	15.1
La. South	14	16	20	19	18	16	17	16	20.3	19.5	21.4	18.0	18.0	17.5	17.3	16.3
La. Total	7	7	11	10	10	9	9	8	19.6	18.3	22.5	19.9	19.0	16.4	17.2	15.9
La. West	42	40	50	56	54	55	55	56	18.6	15.5	17.2	17.4	17.0	17.0	17.1	17.1
La. East	22	21	26	26	27	26	27	24	21.6	18.1	20.0	19.7	19.2	19.1	18.8	18.2
La. South	36	40	50	54	56	56	56	51	21.3	17.3	18.4	18.1	17.9	18.6	18.8	18.4
La. Total	27	32	42	39	38	37	38	37	25.5	25.7	26.6	24.4	23.6	22.6	23.4	22.4
La. West	10	8	13	14	15	15	15	15	18.6	14.6	16.6	16.0	16.1	16.4	16.2	15.6
La. East	483	436	542	578	587	612	612	601	18.2	14.8	17.0	17.1	17.1	17.5	17.5	16.8
La. South	61	51	60	60	60	70	69	69	17.6	14.0	16.4	16.0	15.8	15.9	15.7	15.4
La. Total	36	33	43	40	40	39	41	40	18.2	14.4	16.4	15.0	14.8	14.7	15.2	15.0
La. West	363	317	403	436	446	471	471	461	18.2	14.7	17.0	17.3	17.4	17.9	17.9	17.1
La. East	8	7	10	12	12	13	13	12	25.1	20.7	23.7	24.9	24.7	24.6	24.3	23.2
La. South	16	16	18	19	19	18	18	18	21.4	17.8	18.8	18.5	18.0	17.4	17.4	17.2

as births to nonresidents. <sup>a</sup> Provisional. <sup>b</sup> Based on population (excluding Armed Forces abroad) enumerated as of 1970 and 1980, and estimated as of July 1 for other years. <sup>c</sup> U.S. totals are based on monthly receipts corrected for differences between provisional and final monthly figures. State figures have not been corrected in this manner.

U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Vital Statistics*.

## NO. 86. LIVE BIRTHS BY RACE AND TYPE OF HISPANIC ORIGIN—SELECTED CHARACTERISTICS: 1985

[Represents registered births. Excludes births to nonresidents of the U.S. Data are available on race of mother from all States, but data on Hispanic origin of mother are available from only 23 States and the District of Columbia. However, approximately 90 percent of all births to Hispanic mothers occur to residents of these 23 States. See Appendix III]

RACE AND HISPANIC ORIGIN	Number of births (1,000)	Births to teenage mothers, percent of total	Births to unmarried mothers, percent of total	PERCENT OF MOTHERS BEGINNING PRENATAL CARE DURING—		Percent of births with low birth weight <sup>1</sup>
				First trimester	Third trimester or no care	
Total	3,781	12.7	22.0	76.2	5.7	6.6
White	2,991	10.8	14.5	79.4	4.7	5.6
Black	606	23.0	60.1	61.8	10.0	12.4
American Indian	43	19.1	40.7	60.3	11.5	5.9
Asian and Pacific Islander <sup>2</sup>	116	5.5	10.1	75.0	6.1	6.1
Filipino	21	5.8	12.1	77.2	4.6	6.9
Chinese	18	1.1	3.7	82.4	4.2	5.0
Japanese	10	2.9	7.9	85.6	2.8	6.9
Hispanic origin <sup>3</sup>	379	16.5	29.5	61.2	12.5	6.2
Mexican	243	17.5	25.7	59.9	12.9	5.8
Puerto Rican	35	20.9	51.1	59.3	15.5	8.7
Cuban	10	7.1	18.1	72.5	3.7	6.0

<sup>1</sup> Births less than 2,500 grams (5 lb.-8 oz.). <sup>2</sup> Includes races not shown separately. <sup>3</sup> Hispanic persons may be of any race. Includes other types, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data.

## NO. 87. BIRTHS TO UNMARRIED WOMEN, BY RACE AND AGE OF MOTHER: 1960 TO 1985

[Beginning 1970, excludes births to nonresidents of U.S. Data for 1960-79 include estimates for States in which marital status data were not reported. Beginning in 1980, marital status is inferred from a comparison of the child's and parents' surnames on the birth certificate for those States that do not report on marital status. No estimates included for misstatements on birth records or failures to register births. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 28-35]

RACE AND AGE OF MOTHER	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
NUMBER (1,000)													
Total live births <sup>1</sup>	224.3	281.2	386.7	447.9	515.7	543.9	597.8	665.7	686.6	715.2	737.8	770.4	828.3
White	62.5	123.7	175.1	198.4	220.1	233.8	263.0	320.1	337.1	355.2	370.9	391.9	433.0
Black	(NA)	(NA)	215.1	249.6	281.6	283.4	315.8	325.7	328.9	335.9	341.1	350.9	366.5
Under 15 years	4.6	6.1	9.5	11.0	10.1	9.4	9.5	9.0	8.6	8.7	8.6	9.1	9.4
15-19 years	87.1	123.1	180.4	222.5	239.7	239.7	253.2	262.8	259.2	260.6	261.9	261.1	270.9
20-24 years	68.0	90.7	126.7	134.0	166.6	186.5	210.1	237.3	246.9	257.5	265.6	279.2	300.4
25-29 years	32.1	36.6	40.6	50.2	62.4	70.0	80.6	99.8	109.2	119.0	126.5	137.0	152.0
30-34 years	16.9	19.6	19.1	19.8	23.7	26.5	31.3	41.0	45.3	48.6	53.9	58.3	67.3
35 years and over	13.6	15.1	12.4	10.4	11.1	11.7	13.1	16.1	17.4	19.9	21.6	24.6	26.2
PERCENT DISTRIBUTION													
Total <sup>1</sup>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White	27.8	42.5	43.9	41.8	42.7	42.9	44.0	48.1	48.1	49.7	50.3	50.9	52.1
Black	(NA)	(NA)	54.0	55.7	54.8	53.9	52.8	48.9	47.9	48.9	48.2	45.5	44.1
Under 15 years	2.1	2.1	2.4	2.5	2.0	1.7	1.6	1.4	1.3	1.2	1.2	1.2	1.1
15-19 years	38.8	42.3	47.8	49.7	46.5	44.1	42.4	39.5	37.8	36.4	35.4	33.9	32.1
20-24 years	30.3	31.1	31.8	29.9	32.7	34.3	35.1	35.8	36.0	36.0	36.0	36.2	36.1
25-29 years	14.3	12.6	10.2	11.2	12.1	12.9	13.5	15.0	15.9	16.6	17.1	17.8	19.1
30-34 years	8.4	6.7	4.8	4.4	4.6	4.9	5.2	6.2	6.6	6.9	7.3	7.7	8.1
35 years and over	6.1	5.2	3.1	2.3	2.2	2.2	2.2	2.4	2.5	2.8	3.0	3.2	3.1
BIRTHS TO UNMARRIED WOMEN AS PERCENT OF ALL BIRTHS IN RACIAL GROUPS													
Total <sup>1</sup>	6.3	7.7	10.7	14.2	15.5	16.3	17.1	18.4	18.8	18.4	20.3	21.6	25.1
White	2.3	4.0	5.7	7.3	8.2	8.7	9.4	11.0	11.6	12.1	12.8	13.4	14.1
Black	(NA)	(NA)	37.6	49.6	51.7	53.2	54.7	55.2	56.0	56.7	58.2	59.2	61.1
BIRTH RATE <sup>2</sup>													
Total <sup>1</sup>	21.6	23.5	26.4	24.5	25.8	25.7	27.3	28.4	28.8	30.0	30.4	31.8	33.1
White <sup>2</sup>	9.2	11.6	13.8	12.4	13.5	13.7	14.9	17.6	18.2	18.8	19.3	20.1	21.1
Black <sup>2</sup>	(NA)	(NA)	95.5	84.2	82.6	81.1	83.0	81.4	81.4	79.6	77.7	76.6	74.1
15-19 years	15.3	16.7	22.4	23.6	25.1	24.9	26.4	27.6	28.2	28.9	29.7	30.2	31.1
20-24 years	39.7	39.9	38.4	31.2	34.0	35.3	37.7	40.9	40.9	41.4	42.0	43.2	44.1
25-29 years	45.1	49.3	27.0	27.5	27.7	26.5	29.9	34.0	34.7	35.1	35.6	37.0	37.1
30-34 years	27.6	37.5	27.1	17.9	16.9	16.9	17.7	21.1	20.8	21.9	22.3	23.2	23.1

NA Not available. <sup>1</sup> Includes other races not shown separately. <sup>2</sup> Rate per 1,000 unmarried women (never-married, widowed, and divorced) estimated as of July 1. <sup>3</sup> Covers women aged 15-44 years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

### No. 88. LIVE BIRTHS, BY PLACE OF DELIVERY; MEDIAN AND LOW-BIRTH WEIGHT; AND PRENATAL CARE: 1960 TO 1985

[Represents registered births. Beginning 1970, excludes births to nonresidents of the U.S. For total number of births, see table 81  
See Appendix III]

YEAR	BIRTHS ATTENDED (1,000)			MEDIAN BIRTH WEIGHT			PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT <sup>1</sup>			PERCENT OF BIRTHS BY PERIOD IN WHICH PRENATAL CARE BEGAN	
	In hospital <sup>2</sup>	Not in hospital		Total <sup>3</sup>	White	Black	Total <sup>4</sup>	White	Black	1st trimester	3rd trimester or no prenatal care
		Physician	Midwife and other <sup>5</sup>								
1960	4,114	49	94	7 lb.-5 oz.	7 lb.-6 oz.	6 lb.-15 oz. <sup>6</sup>	7.7	6.9	12.9	(NA)	(NA)
1965	3,961	33	89	7 lb.-4 oz.	7 lb.-5 oz.	6 lb.-14 oz. <sup>6</sup>	8.3	7.2	13.8	(NA)	(NA)
1970	3,708	5	16	7 lb.-4 oz.	7 lb.-5 oz.	6 lb.-14 oz.	7.9	6.9	13.0	66.0	7.6
1974	3,134	11	19	7 lb.-5 oz.	7 lb.-7 oz.	6 lb.-15 oz.	7.4	6.3	13.1	(NA)	(NA)
1975	3,108	11	28	7 lb.-5 oz.	7 lb.-7 oz.	6 lb.-15 oz.	7.4	6.3	13.1	72.4	8.0
1976	3,124	12	32	7 lb.-6 oz.	7 lb.-8 oz.	6 lb.-15 oz.	7.3	6.1	13.0	73.5	5.7
1977	3,278	13	36	7 lb.-6 oz.	7 lb.-8 oz.	6 lb.-15 oz.	7.1	5.9	12.8	74.1	5.6
1978	3,301	12	21	7 lb.-6 oz.	7 lb.-8 oz.	6 lb.-15 oz.	7.1	5.9	12.9	74.9	5.4
1979	3,480	12	22	7 lb.-7 oz.	7 lb.-9 oz.	6 lb.-15 oz.	6.9	5.8	12.8	75.9	5.1
1980	3,578	12	24	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.8	5.7	12.5	76.3	5.1
1981	3,592	11	27	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.8	5.7	12.5	76.9	5.2
1982	3,642	10	29	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.8	5.8	12.4	76.1	5.5
1983	3,600	10	29	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.8	5.7	12.6	76.2	5.6
1984	3,631	10	29	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.7	5.6	12.4	76.8	5.6
1985	3,722	10	29	7 lb.-7 oz.	7 lb.-9 oz.	7 lb.-0 oz.	6.8	5.6	12.4	78.2	5.7

NA. Not available. <sup>1</sup> Includes all births in hospitals or institutions and in clinics. <sup>2</sup> Includes births with attendant not specified. <sup>3</sup> Includes other races not shown separately. <sup>4</sup> Through 1978, births of 2,500 grams (5 lb.-8 oz.) or less at birth; thereafter, less than 2,500 grams. <sup>5</sup> Black and other races.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

### No. 89. LOW BIRTH WEIGHT AND BIRTHS TO TEENAGE MOTHERS AND TO UNMARRIED WOMEN—STATES: 1960 AND 1985

[Represents registered births. Excludes births to nonresidents of the U.S. Based on 100 percent of births in 48 States and on a 90-percent sample of births in 4 States and the District of Columbia. See Appendix III]

DIVISION AND STATE	PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT <sup>1</sup>		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED WOMEN, PERCENT OF TOTAL		DIVISION AND STATE	PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT <sup>1</sup>		BIRTHS TO TEENAGE MOTHERS, PERCENT OF TOTAL		BIRTHS TO UNMARRIED WOMEN, PERCENT OF TOTAL	
	1960	1985	1960	1985	1960	1985		1960	1985	1960	1985	1960	1985
U.S.	6.8	6.8	15.6	12.7	18.4	22.0	So. Atl.—Con.						
N. Eng.	6.2	5.9	11.8	9.2	15.5	18.8	VA	7.5	7.0	15.5	12.2	19.2	21.4
ME	6.5	5.1	15.3	11.7	13.9	17.8	WV	6.7	6.9	20.1	17.1	13.1	17.4
NH	5.4	5.0	10.7	8.3	11.0	13.4	NC	7.9	7.9	19.2	18.0	19.0	22.1
VT	5.9	6.0	13.0	9.9	13.7	17.1	SC	8.6	8.6	19.8	17.0	23.0	26.4
MA	6.1	5.8	10.7	8.5	15.7	18.4	GA	8.6	8.1	20.7	17.3	23.2	25.7
RI	6.3	6.3	12.3	10.8	15.7	19.6	FL	7.6	7.5	18.2	13.9	23.0	25.8
CT	6.7	6.6	11.4	9.2	17.9	21.3	E. So. Cent.						
Mid. Atl.							KY	7.8	7.9	21.0	18.3	20.9	24.8
NY	7.4	7.0	11.8	10.0	23.8	26.1	TN	6.8	7.0	21.1	17.6	15.1	16.5
NJ	7.2	6.8	12.3	9.8	21.1	22.3	AL	8.0	7.9	19.9	17.1	19.8	24.3
PA	6.5	6.6	13.9	11.5	17.7	22.8	MS	7.9	8.0	20.6	17.9	22.2	24.9
E. No. Cent.								6.7	6.6	23.2	20.6	28.0	32.9
OH	6.7	6.6	15.2	12.8	18.9	21.4	W. So. Cent.						
IN	6.8	6.6	15.7	13.3	17.8	21.8	AR	7.3	7.2	18.1	16.0	15.8	18.0
IL	6.3	6.4	17.3	14.1	15.5	19.8	LA	7.6	6.0	21.6	19.2	20.5	22.4
MI	7.2	7.2	15.7	12.5	22.5	25.7	OK	8.6	8.7	20.1	17.3	23.4	28.6
MN	6.9	6.8	14.0	12.1	16.2	18.1	TX	6.8	6.4	19.6	15.6	14.0	17.2
WI	5.4	5.3	12.3	10.2	13.9	18.1		6.8	6.8	18.3	15.3	13.3	15.4
W. No. Cent.							MT	6.6	6.8	14.3	11.7	12.7	17.7
MIN	5.1	4.8	10.4	7.5	11.4	15.1	ID	5.6	5.7	12.4	9.9	12.5	16.8
IA	5.0	5.1	12.5	9.3	10.3	13.6	WY	5.3	5.5	13.1	10.5	7.9	10.8
MO	6.6	6.7	16.9	13.5	17.6	21.6	CO	7.3	7.1	15.5	11.8	8.2	13.3
ND	4.9	4.9	10.9	7.9	9.2	11.5	NM	8.2	7.7	13.9	10.4	13.0	15.6
SD	5.1	5.5	13.5	10.2	13.4	17.9	AZ	7.6	7.1	16.2	15.5	16.1	20.3
NE	5.6	5.3	12.1	9.1	11.6	14.8	UT	6.2	6.2	16.5	13.7	16.7	23.9
KS	5.8	6.1	15.0	11.4	12.3	14.7	NV	5.2	5.7	11.0	8.9	6.2	8.7
So. Atl.								6.6	6.9	15.4	12.1	13.5	15.6
DE	7.7	7.3	16.7	13.7	24.2	26.2	Pac.						
MD	8.2	7.8	14.8	12.1	25.2	29.1	WA	6.8	6.9	13.6	10.7	19.8	23.3
DC	12.6	13.3	20.7	17.9	58.5	56.7	OR	5.1	5.3	12.5	10.3	13.6	16.5
							CA	4.9	5.1	13.3	10.6	14.8	18.7
							AK	5.9	6.0	13.9	10.9	21.4	24.6
							HI	5.4	4.9	11.8	8.7	15.1	18.3
								7.1	6.5	11.5	9.8	17.6	19.9

<sup>1</sup> Less than 2,500 grams (5 pounds-8 ounces). <sup>2</sup> Marital status of mother is inferred.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

## NO. 90. CESAREAN SECTION DELIVERIES, BY AGE OF MOTHER: 1970 TO 1985

[Rates are number of cesareans per 100 deliveries. Based on sample data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability]

AGE OF MOTHER	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Number of cesarean deliveries (1,000)	155	328	455	510	589	618	701	730	808	819	871
Rate: Mothers, all ages	5.5	10.4	13.7	15.2	18.4	18.5	17.9	18.5	20.3	21.1	22.1
Under 20 years	3.9	8.4	11.2	11.8	13.7	14.5	13.2	13.4	15.0	16.5	16.7
20-24 years	4.9	9.0	12.5	13.1	15.6	15.8	16.0	17.6	19.0	19.8	21.3
25-29 years	5.9	11.1	14.8	16.4	18.4	18.7	19.4	19.9	20.5	20.9	22.1
30-34 years	7.5	13.8	15.3	19.3	19.5	21.3	21.3	20.4	24.8	24.6	28.1
35 years and over	8.3	15.0	17.9	21.3	21.1	20.6	24.4	23.6	25.4	28.7	30.7

Source: U.S. National Center for Health Statistics, unpublished data.

## NO. 91. BREAST-FEEDING BY CHARACTERISTIC OF MOTHER AND BIRTH YEAR OF BABY: 1970 TO 1981

[Data for 1970-1975 based on 1978 National Survey of Family Growth (NSFG) and for 1976-1981 on 1982 NSFG. Based on a sample and subject to sampling variability; see Appendix III. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC OF MOTHER	PERCENT BREAST-FED AT ALL						PERCENT BREAST-FED 3 MONTHS OR MORE					
	1970-1971	1972-1973	1974-1975	1976-1977	1978-1979	1980-1981	1970-1971	1972-1973	1974-1975	1976-1977	1978-1979	1980-1981
Total babies	24.3	23.6	32.4	42.2	44.3	52.5	16.6	10.6	15.8	25.7	38.6	35.1
White	25.8	25.6	35.5	46.2	48.1	57.2	11.2	11.4	16.8	29.0	31.2	35.1
Black	12.9	12.9	16.4	19.5	24.4	33.3	8.2	6.9	6.4	11.5	14.2	12.1
Years of school completed:												
Less than 12 years	17.9	15.5	18.1	25.6	25.3	32.1	6.0	6.6	5.8	6.6	15.5	19.1
12 years	18.5	20.4	31.0	35.3	41.4	44.9	7.3	7.2	12.0	20.1	23.1	25.1
13 years or more	39.9	39.1	50.7	62.3	55.0	73.4	20.4	22.1	31.8	43.7	42.5	59.1
Region:												
Northeast	22.5	18.6	30.1	36.5	37.6	46.6	11.3	10.3	12.7	23.0	24.8	28.1
Midwest	26.4	25.2	30.3	43.6	48.1	54.6	12.1	10.1	13.3	24.1	29.4	30.1
South	17.6	16.2	25.2	32.1	31.9	41.8	7.2	7.4	10.0	19.0	19.1	28.1
West	35.3	43.3	50.5	62.0	65.5	70.1	13.6	20.0	29.4	42.3	47.1	48.1

Source: Frest, William F., et al., "Understanding U.S. Fertility: Findings from the National Survey of Family Growth, Cycle III," *Population Bulletin*, vol. 39, No. 5 (Population Reference Bureau, Inc., Washington, DC, 1984).

## NO. 92. WOMEN WHO HAVE HAD A CHILD IN THE LAST YEAR, BY AGE: 1980 TO 1986

[As of June. See headnote, table 94]

AGE OF MOTHER	WOMEN WHO HAD A CHILD IN LAST YEAR (1,000)				TOTAL BIRTHS PER 1,000 WOMEN				FIRST BIRTHS PER 1,000 WOMEN				FIRST BIRTHS AS PERCENT OF TOTAL	
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986	1980	1986
Total	3,247	3,311	3,487	3,625	71.1	85.8	85.6	70.3	28.5	27.7	27.1	26.4	40.1	38.1
18-29 years old	2,478	2,375	2,512	2,452	103.7	94.6	101.4	96.7	48.6	45.2	47.1	44.4	46.9	44.1
18-24 years old	1,396	1,252	1,339	1,209	95.8	86.6	95.4	88.6	(NA)	48.2	53.5	47.5	(NA)	45.1
25-29 years old	1,081	1,123	1,173	1,243	114.8	106.5	106.2	113.6	(NA)	41.2	36.7	40.5	(NA)	39.1
30-44 years old	770	936	984	1,174	33.3	37.1	37.6	43.5	8.3	10.2	8.0	10.0	17.5	14.1
30-34 years old	519	703	704	815	30.0	72.2	69.9	78.9	(NA)	20.9	15.8	20.2	(NA)	14.1
35-39 years old	192	195	229	285	26.9	22.7	25.9	30.3	(NA)	5.4	5.2	5.4	(NA)	1.1
40-44 years old	59	38	51	74	9.9	5.5	7.1	10.2	(NA)	1.1	.8	1.5	(NA)	1.1

NA Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 408, and earlier and forthcoming reports.

. 93. WOMEN WHO HAVE HAD A CHILD IN THE LAST YEAR, BY AGE AND LABOR FORCE STATUS:  
1976 TO 1986

[See headnote, table 94]

YEAR	TOTAL, 18 TO 44 YEARS OLD				18 TO 29 YEARS OLD				30 TO 44 YEARS OLD			
	All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year		
		Num-ber (1,000)	In the labor force			Num-ber (1,000)	In the labor force			Num-ber (1,000)	In the labor force	
			Num-ber (1,000)	Per-cent			Num-ber (1,000)	Per-cent			Num-ber (1,000)	Per-cent
.....	59.7	2,737	885	30.9	(NA)	2,220	708	31.8	(NA)	577	159	27.6
.....	66.1	3,247	1,233	38.0	68.3	2,476	947	38.2	63.7	770	287	37.3
.....	67.2	3,381	1,411	41.7	66.9	2,499	1,004	40.2	65.5	681	407	46.2
.....	68.3	3,433	1,508	43.9	68.7	2,445	1,040	42.5	68.7	988	469	47.5
.....	69.1	3,625	1,583	43.1	70.6	2,682	1,133	42.4	67.6	942	425	45.1
.....	70.2	3,311	1,547	45.7	71.5	2,375	1,088	44.5	68.9	936	469	52.2
.....	70.8	3,497	1,691	48.4	71.3	2,512	1,204	47.9	70.3	984	498	49.6
.....	72.2	3,625	1,806	49.8	72.8	2,452	1,195	48.3	71.6	1,174	620	52.8

Not available.

M. SOCIAL AND ECONOMIC CHARACTERISTICS OF WOMEN, 18-44 YEARS OLD, WHO HAVE HAD A CHILD IN THE LAST YEAR: 1986

June. Covers civilian noninstitutional population. Since the number of women who had a birth during the 12-month period tabulated and not the actual numbers of births, some small underestimation of fertility for this period may exist due to the inclusion of: (1) Multiple births, (2) Two or more live births spaced within the 12-month period (the woman is counted only once), (3) Women who had births in the period and who did not survive to the survey date, (4) Women who were in institutions and were not in the survey universe. These losses may be somewhat offset by the inclusion in the CPS of births to immigrants who did not have their children born in the United States and births to nonresident women. These births would not have been recorded in the vital registration system. Based on Current Population Survey (CPS); see text, section 1 and Appendix III]

CHARACTERISTIC	TOTAL, 18 TO 44 YEARS OLD			18 TO 29 YEARS OLD			30 TO 44 YEARS OLD		
	Num-ber of women (1,000)	Women who have had a child in the last year		Num-ber of women (1,000)	Women who have had a child in the last year		Num-ber of women (1,000)	Women who have had a child in the last year	
		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women
Race <sup>1</sup> .....	51,381	70.3	28.4	24,586	98.7	44.4	26,994	43.5	16.0
.....	43,237	68.2	26.5	20,367	96.3	44.5	22,860	43.2	10.3
.....	6,625	76.4	23.8	3,423	112.7	41.3	3,202	41.9	4.6
Ethnicity <sup>2</sup> .....	4,061	105.6	29.1	2,177	136.7	45.3	1,984	60.8	10.4
Marital status.....									
1, spouse present.....	29,400	97.4	36.0	10,454	175.7	76.8	16,946	54.1	13.4
2, spouse absent <sup>3</sup> .....	2,165	67.8	25.5	925	114.9	53.6	1,240	32.3	4.5
3, ever married or divorced.....	5,107	27.1	3.5	1,182	58.9	12.5	3,925	17.5	.8
Total.....	14,909	32.1	15.5	12,026	36.5	18.6	2,883	13.7	2.4
Education.....									
of school completed:									
a high school graduate.....	7,876	93.1	21.8	4,096	141.3	39.9	3,779	40.9	2.3
b school, 4 years.....	22,241	71.0	29.1	10,762	113.9	52.9	11,479	30.7	6.7
Age: 1-3 years.....	11,691	58.7	24.0	6,158	68.8	36.7	5,733	47.8	10.4
4 or more years.....	9,573	64.3	26.9	3,570	62.4	37.0	6,002	65.5	20.8
4 years.....	6,335	60.8	27.9	2,847	62.9	39.1	3,488	59.0	16.8
5 or more years.....	3,238	71.3	24.8	723	60.2	29.0	2,514	74.5	23.6
Labor force status.....									
In labor force.....	37,232	48.5	20.8	17,909	68.2	33.5	19,323	32.1	9.1
Employed.....	34,226	46.5	19.9	15,974	62.9	32.1	18,252	32.0	9.1
Unemployed.....	3,008	71.4	32.0	1,935	92.8	44.4	1,071	32.7	9.6
In labor force.....	14,349	126.9	40.8	6,678	189.7	73.6	7,671	72.2	12.3
Occupation of employed women.....									
Managerial-professional.....	8,300	42.9	17.3	2,869	46.8	25.5	5,430	40.8	13.0
Technical, sales, and admin. support.....	16,013	42.6	20.9	8,219	56.8	31.5	7,794	27.5	9.7
Service workers.....	5,774	53.1	20.6	3,070	71.1	35.8	2,794	32.7	3.5
Production, craft, and repair.....	708	55.7	13.5	344	93.9	18.1	454	26.7	10.1
Operators, fabricators, and laborers.....	2,924	61.9	22.6	1,270	113.3	47.1	1,654	22.4	3.7
Agriculture, forestry, and fishing.....	417	49.0	12.8	201	44.7	26.6	218	52.9	-
Income.....									
Under \$10,000.....	8,523	96.3	29.8	4,918	129.1	48.2	3,606	49.2	4.8
\$10,000-\$14,999.....	5,713	69.7	25.9	3,252	98.4	38.2	2,461	34.4	8.2
\$15,000-\$19,999.....	5,306	69.3	27.6	2,871	103.2	48.3	2,635	32.4	5.0
\$20,000-\$24,999.....	5,512	73.3	26.2	2,650	115.6	49.5	2,662	33.9	4.8
\$25,000-\$29,999.....	4,660	75.4	24.9	2,087	106.4	45.5	2,583	50.1	8.1
\$30,000-\$34,999.....	4,691	68.3	25.7	2,072	99.3	43.3	2,619	43.7	11.8
\$35,000 and over.....	15,682	55.4	24.7	6,176	68.9	38.1	9,506	48.0	15.3

<sup>1</sup> Represents or rounds to zero. <sup>2</sup> Includes women of other races and women with family income not reported, not shown separately. <sup>3</sup> Hispanic persons may be of any race. <sup>4</sup> Includes separated women.

No. 95. CHILDLESS WOMEN AND CHILDREN EVER BORN, BY AGE OF WOMAN: 1970 TO 1986

[1970 based on sample of decennial census, see source; all other years based on Current Population Survey; see text, section and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 49-66]

AGE	PERCENT CHILDLESS AMONG WOMEN EVER MARRIED						CHILDREN EVER BORN PER 1,000 WOMEN EVER MARRIED					
	1970 (April)	1986 (June)	1986 (June)				1970 (April)	1980 (June)	1986 (June)			
			Total <sup>1</sup>	White	Black	His-panic <sup>2</sup>			Total <sup>1</sup>	White	Black	His-panic
Total .....	<sup>2</sup> 16.4	<sup>2</sup> 18.8	19.2	20.1	11.6	13.7	<sup>2</sup> 2,200	<sup>2</sup> 1,966	1,785	1,737	2,200	2,100
18-19 years old .....	<sup>4</sup> 50.9	<sup>4</sup> 46.6	45.8	46.7	27.1	25.6	<sup>4</sup> 636	<sup>4</sup> 628	660	639	1,007	1,000
20-24 years old .....	35.7	40.4	41.5	42.9	26.3	32.8	1,071	930	927	882	1,392	1,400
25-29 years old .....	15.8	25.3	27.3	28.5	14.9	14.4	1,984	1,397	1,351	1,316	1,692	1,700
30-34 years old .....	8.3	13.7	15.1	16.1	6.6	9.8	2,806	1,970	1,845	1,804	2,219	2,200
35-39 years old .....	7.3	8.0	11.5	11.9	8.5	7.0	3,170	2,572	2,101	2,047	2,520	2,500
40-44 years old .....	8.6	6.6	9.4	9.4	10.5	7.3	3,097	3,105	2,413	2,372	2,739	2,700

<sup>1</sup> Includes other races not shown separately.    <sup>2</sup> Hispanic persons may be of any race.    <sup>3</sup> Women, 15-44 years old.  
<sup>4</sup> Women, 15-19 years old.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1970, Vol 1, Characteristics of the Population, Part 1, Summary*; and *Current Population Reports*, series P-20, No. 375 and forthcoming report.

No. 96. CHILDREN EVER BORN TO SINGLE WOMEN, BY AGE AND RACE OF WOMAN: 1980 AND 1986

[As of June. Covers civilian noninstitutional population. Refers to women never-married at time of survey. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	ALL SINGLE WOMEN <sup>1</sup>			WHITE SINGLE WOMEN			BLACK SINGLE WOMEN		
	Total, 18-44 years	18-29 years	30-44 years	Total, 18-44 years	18-29 years	30-44 years	Total, 18-44 years	18-29 years	30-44 years
1980									
Single women (1,000) .....	<sup>2</sup> 12,500	10,693	<sup>2</sup> 1,807	<sup>2</sup> 9,862	8,557	<sup>2</sup> 1,305	<sup>2</sup> 2,327	1,868	<sup>2</sup> 459
Percent by number of children born:									
None .....	85.7	87.3	76.4	93.5	93.9	90.5	52.2	58.7	39.1
One .....	8.6	8.5	9.0	4.9	4.7	5.9	24.5	26.0	11.1
Two or more .....	5.7	4.2	14.6	1.6	1.3	3.6	23.3	17.3	49.8
Children ever born (1,000) .....	<sup>2</sup> 3,142	2,022	<sup>2</sup> 1,120	<sup>2</sup> 898	666	<sup>2</sup> 232	<sup>2</sup> 2,199	1,325	<sup>2</sup> 1,000
Rate per 1,000 women .....	251	189	620	91	78	178	945	702	1,000
1986									
Single women (1,000) .....	14,909	12,026	2,883	11,438	9,381	2,057	3,069	2,320	749
Percent by number of children born:									
None .....	81.9	84.5	71.2	90.5	91.5	85.6	49.1	55.3	39.1
One .....	9.8	9.5	11.1	6.0	5.8	6.6	24.4	24.8	11.1
Two or more .....	8.4	6.1	17.8	3.6	2.7	7.8	26.5	20.1	49.8
Children ever born (1,000) .....	4,767	2,991	1,775	1,726	1,140	585	2,965	1,800	1,000
Rate per 1,000 women .....	320	249	616	151	122	284	966	776	1,000

<sup>1</sup> Includes other races not shown separately.    <sup>2</sup> Covers single women, 18-49 years old.    <sup>3</sup> Covers single women, 30 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 375 and forthcoming report.

No. 97. ABILITY TO BEAR CHILDREN OF CURRENTLY MARRIED COUPLES, BY AGE OF WIFE, NUMBER PRIOR BIRTHS, AND RACE: 1982

[Based on the National Survey of Family Growth, see Appendix III]

RACE AND FERTILITY STATUS	All women, 15-44 years	AGE OF WIFE			NUMBER OF PRIOR BIRTHS			
		15-24 years	25-34 years	35-44 years	0	1	2	3 or more
All races <sup>1</sup> (1,000) .....	28,231	4,741	12,924	10,566	5,098	5,891	9,042	810
Percent distribution:								
Surgically sterile <sup>2</sup> .....	38.9	7.2	31.6	62.0	9.9	17.7	46.9	81.1
Infertile <sup>3</sup> .....	8.5	8.7	7.3	9.7	19.6	10.8	5.0	1.1
Fecund <sup>4</sup> .....	52.6	84.1	61.0	28.3	70.5	71.5	48.1	17.8
White (1,000) .....	25,196	4,323	11,457	9,414	4,876	5,254	8,167	710
Percent distribution:								
Surgically sterile <sup>2</sup> .....	38.9	7.3	31.5	62.3	9.8	18.5	47.2	81.1
Infertile <sup>3</sup> .....	8.1	8.0	7.0	9.6	19.1	10.1	4.7	1.1
Fecund <sup>4</sup> .....	53.0	84.7	61.4	28.1	71.1	71.4	48.0	17.8
Black (1,000) .....	2,130	328	1,025	778	262	410	676	100
Percent distribution:								
Surgically sterile <sup>2</sup> .....	36.2	7.4	31.8	54.1	10.1	6.5	34.9	81.1
Infertile <sup>3</sup> .....	13.1	11.9	11.5	15.7	30.6	18.5	8.9	1.1
Fecund <sup>4</sup> .....	50.7	80.7	56.7	30.2	59.4	73.0	56.2	17.8

<sup>1</sup> Includes other races not shown separately.    <sup>2</sup> Includes sterilization of the husband or the wife.    <sup>3</sup> Continuously had not used contraception, and had not become pregnant for at least 12 months before the date of interview.  
<sup>4</sup> Figure does not meet standards of reliability or precision.    <sup>5</sup> Neither surgically sterile nor infertile.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 104; and unpublished data.



## NO. 98. LIFETIME BIRTHS EXPECTED PER 1,000 WIVES: 1971 TO 1986

[As of June. See headnote, table 99]

YEAR	LIFETIME BIRTHS TO ALL WIVES <sup>1</sup> AGED—			LIFETIME BIRTHS TO WHITE WIVES AGED—			LIFETIME BIRTHS TO BLACK WIVES AGED—		
	18-24	25-29	30-34	18-24	25-29	30-34	18-24	25-29	30-34
71	2,375	2,619	2,966	2,353	2,577	2,936	2,623	3,112	3,714
75	2,173	2,260	2,610	2,147	2,233	2,564	2,489	2,587	3,212
80	2,134	2,186	2,248	2,130	2,148	2,223	2,155	2,426	2,522
85	2,163	2,236	2,167	2,177	2,227	2,139	2,242	2,259	2,521
86	2,270	2,252	2,247	2,116	2,100	2,056	2,323	2,317	2,577

<sup>1</sup> Includes other races not shown separately.

## NO. 99. LIFETIME BIRTHS EXPECTED BY WIVES, 18-34 YEARS OLD—PERCENT DISTRIBUTION: 1975 TO 1986

[As of June. Covers currently married women in the civilian noninstitutional population. Data limited to wives reporting on birth expectations. Based on Current Population Survey, see text, section 1 and Appendix III]

YEAR AND NUMBER OF BIRTHS EXPECTED	Total <sup>1</sup>	AGE			RACE		Hispanic <sup>2</sup>	YEARS OF SCHOOL COMPLETED		
		18-24 years	25-29 years	30-34 years	White	Black		Not high school graduate	High school, 4 years	College, 1 year or more
75: None	4.8	4.1	4.9	5.2	4.9	3.0	3.2	2.7	4.2	7.0
One	10.9	11.2	11.7	9.8	10.8	10.7	10.6	11.0	11.4	10.1
Two	49.0	58.2	50.4	38.3	49.8	40.0	40.4	37.6	49.8	55.5
Three	23.2	19.4	23.3	26.6	23.3	22.4	25.2	25.0	24.3	20.0
Four or more	12.1	7.0	9.8	19.8	11.1	24.0	20.5	23.6	10.3	7.3
80: None	5.9	4.9	5.5	7.0	6.0	4.0	2.8	2.8	5.6	7.7
One	13.3	12.8	13.2	13.8	13.2	14.4	9.4	11.7	14.4	12.4
Two	51.1	58.0	52.8	45.7	51.5	45.3	44.3	39.7	52.6	54.4
Three	20.5	19.1	20.3	21.8	20.4	22.2	24.2	26.7	19.7	16.8
Four or more	9.3	7.2	6.3	11.9	8.8	14.2	19.4	19.4	7.7	6.8
85: None	4.7	2.9	4.5	5.9	4.8	2.8	2.5	2.5	4.3	6.0
One	12.2	11.6	10.9	13.9	12.0	14.6	11.9	12.0	13.3	11.1
Two	50.0	54.8	51.6	45.8	50.7	42.4	42.5	44.1	49.2	53.1
Three	23.1	21.4	23.6	23.6	22.9	26.2	23.4	24.3	23.4	22.3
Four or more	10.0	9.4	9.4	10.8	9.5	13.8	19.6	17.2	9.8	7.6

<sup>1</sup> Includes other races, not shown separately.<sup>2</sup> Hispanic persons may be of any race.Source of tables 98 and 99: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 406, and earlier and forthcoming reports.

## NO. 100. CONTRACEPTIVE USE BY WOMEN, 15-44 YEARS OLD, BY AGE, RACE, MARITAL STATUS, AND METHOD OF CONTRACEPTION: 1982

[See headnote, table 101]

CONTRACEPTIVE STATUS AND METHOD	All women <sup>1</sup>	AGE			RACE		MARITAL STATUS		
		15-24 years	25-34 years	35-44 years	White	Black	Never married	Currently married	Formerly married
All women (1,000)	54,089	29,158	19,844	14,305	46,397	6,995	19,164	28,231	6,704
PERCENT DISTRIBUTION									
sterile	27.2	3.2	27.9	60.1	27.7	23.7	3.2	40.9	36.0
Surgically sterile	25.7	2.6	26.4	57.3	26.1	22.2	2.6	38.9	36.1
Contraceptively sterile <sup>2</sup>	17.8	2.2	19.6	37.4	18.3	14.9	1.6	27.6	21.6
Noncontraceptively sterile	7.8	3	6.8	19.9	7.8	7.3	.8	11.0	14.5
Nonurgically sterile <sup>3</sup>	1.5	.6	1.5	2.8	1.6	1.5	.7	2.0	1.9
Using postpartum	5.0	6.3	6.5	1.0	4.8	5.6	2.5	7.2	2.8
Using pregnancy	4.2	3.5	6.2	2.5	4.0	5.4	1.2	6.7	2.1
Other nonusers	26.9	48.6	14.2	13.8	26.2	29.6	59.7	5.0	25.6
Not sexually active <sup>4</sup>	19.5	39.4	7.8	7.8	19.9	16.1	49.6	.2	15.1
Sexually active <sup>4</sup>	7.4	9.2	6.5	6.0	8.4	13.5	10.1	4.9	10.4
Nonurgical contraceptors	38.7	36.4	45.2	22.8	37.2	35.7	33.3	40.1	31.8
PD	15.6	23.5	17.1	2.3	15.1	19.8	18.7	13.4	15.6
IUD	4.0	1.4	6.5	4.2	3.9	4.7	1.9	4.8	6.4
Diaphragm	4.5	3.7	6.6	2.4	5.0	1.6	4.7	4.5	3.7
Condom	6.7	5.5	7.6	7.0	7.2	3.2	4.1	9.8	.8
Foam	1.3	.8	1.5	1.8	1.4	1.4	.4	2.0	1.1
Rhythm <sup>5</sup>	2.2	1.2	2.0	2.6	2.2	1.6	.9	3.2	1.4
Other methods <sup>6</sup>	2.5	2.3	2.9	2.2	2.4	3.1	2.6	3.3	2.7

<sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Includes sterility of the husband or a current partner. Persons who had sterilizing operation and who gave as one reason that they had already had all the children they wanted. <sup>3</sup> Persons sterile from tears, accident, or congenital conditions. <sup>4</sup> Those having intercourse in the last 3 months before the survey. <sup>5</sup> Periodic abstinence and natural family planning. <sup>6</sup> Withdrawal, douche, suppository and less frequently used methods.Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 102 and unpublished data.

### NO. 101. UNWANTED BIRTHS OF EVER MARRIED WOMEN, 15-44 YEARS OLD: 1973 AND 1982

(Covers the birth experience to date of all ever-married women whether or not they gave children up for adoption. Based on 1973 and 1982 National Survey of Family Growth; see Appendix III)

AGE AND RACE	NUMBER OF CHILDREN EVER BORN (1,000)		PERCENT OF CHILDREN EVER BORN					
			Wanted at conception				Unwanted conception	
			Total		Mistimed			
	1973	1982	1973	1982	1975	1982	1975	1982
All races <sup>1</sup>	66,226	64,679	85.8	86.1	26.7	26.2	14.6	
15-24 yrs.	5,763	4,843	81.6	83.6	41.7	46.6	8.1	
25-34 yrs.	26,262	26,650	87.6	92.3	27.7	27.3	12.0	
35-44 yrs.	34,214	34,386	83.2	88.0	21.6	29.2	16.6	
White	57,012	55,487	88.4	92.1	25.5	27.7	11.4	
15-24 yrs.	4,856	4,236	83.6	86.1	40.5	47.2	6.3	
25-34 yrs.	22,760	22,314	90.0	94.1	27.2	26.7	6.6	
35-44 yrs.	29,393	28,946	88.4	90.1	21.6	25.6	13.4	
Black	8,834	8,467	68.0	77.5	27.4	32.2	31.5	
15-24 yrs.	886	548	61.4	62.0	47.8	43.8	16.6	
25-34 yrs.	3,239	3,491	72.1	82.3	31.0	33.9	27.3	
35-44 yrs.	4,526	4,426	62.4	73.2	20.9	29.4	37.0	

<sup>1</sup> Includes other races not shown separately. <sup>2</sup> Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, unpublished data.

### NO. 102. FAMILY PLANNING SERVICES—VISITS PER 1,000 WOMEN, 15-44 YEARS OLD: 1982

(Number of family planning visits in the 12 months before the interview per 1,000 women who had ever had intercourse were not sterile before February 1979. Family planning services include (1) counseling for problems with or worries about an intercourse, an unwanted pregnancy or one that occurred at a bad time, having a sterilizing operation, or birth control; (2) checkup or medical test for correct use, fit, or position of a birth control method, or health problems from using a birth control method, or a pregnancy test; and (3) a visit to a physician or clinic to obtain a new method of birth control, or to revise method already being used. Based on the National Survey of Family Growth, see Appendix III)

SOURCE OF SERVICES	Women, <sup>1</sup> 15-44 yrs.	AGE				RACE		Hispanic <sup>2</sup>	MARITAL STATUS		
		15-19 yrs.	20-24 yrs.	25-34 yrs.	35-44 yrs.	White	Black		Never married	Married	Widow, divorced, or separated
Total	1,878	1,581	1,880	1,043	482	1,834	1,337	1,212	1,227	1,922	
Private medical services <sup>3</sup>	857	609	749	743	360	871	557	673	534	743	
Clinics	365	367	577	279	85	323	758	524	638	251	
Counselors	36	105	55	* 21	* 7	38	* 24	* 15	* 56	26	

<sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race. <sup>3</sup> Private physicians in their own group practices. <sup>4</sup> Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, M. Horn and W. Mosher, "Use of Services for Family Planning and Inter-United States, 1982," *Vital and Health Statistics*, series 23, No. 13.

### NO. 103. LEGAL ABORTIONS—ESTIMATED NUMBER, RATE, AND RATIO, BY RACE: 1972 TO 1985

(Refers to women 15-44 years old at time of abortion)

YEAR	ALL RACES				WHITE				BLACK AND OTHER			
	Women 15-44 years old (1,000)	Abortions			Women 15-44 years old (1,000)	Abortions			Women 15-44 years old (1,000)	Abortions		
		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births <sup>1</sup>		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births <sup>1</sup>		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births <sup>1</sup>
1972	44,586	586.6	13.2	184	36,532	455.3	11.6	176	6,056	131.5	21.7	
1975	47,006	1,034.2	21.7	331	40,867	701.2	17.2	276	6,749	333.0	49.3	
1976	48,721	1,178.3	24.2	361	41,721	784.9	18.8	296	7,000	394.4	58.9	
1977	49,814	1,318.7	26.4	400	42,567	888.8	20.9	333	7,247	427.9	59.0	
1978	50,920	1,408.9	27.7	417	43,427	969.4	22.3	356	7,493	440.2	59.7	
1979	52,016	1,497.7	28.8	422	44,266	1,062.4	24.0	373	7,750	435.3	59.2	
1980	53,046	1,553.9	29.3	426	44,942	1,093.6	24.3	378	8,108	460.3	59.6	
1981	53,901	1,577.3	29.3	429	45,494	1,107.8	24.3	377	8,407	469.6	59.9	
1982	54,679	1,573.9	28.8	426	46,049	1,095.2	23.8	373	8,630	476.7	59.6	
1983	55,340	1,575.0	28.5	436	46,508	1,084.4	23.3	376	8,834	480.8	59.5	
1984	56,061	1,577.2	28.1	422	47,023	(NA)	(NA)	(NA)	9,036	(NA)	(NA)	
1985	56,754	1,586.6	28.0	425	47,512	(NA)	(NA)	(NA)	9,242	(NA)	(NA)	

NA Not available. <sup>1</sup> See footnote, table 104.

Source: 1972, U.S. Centers for Disease Control, Atlanta, GA, *Abortion Surveillance, Annual Summary, 1972, 1974, and The Guttmacher Institute*; 1975-1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each Metropolitan Area, 1981-1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1982 and 1983, S.K. Henshaw, "Characteristics of U.S. Women Having Abortions, 1982-1983," *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987; Alan Guttmacher Institute, New York, NY, 1984 and 1983, S.K. Henshaw, J.D. Forrest and J. Von Vorst, "Abortion Services in the United States, 1984 and 1985," *Family Planning Perspectives*, vol. 19, No. 2, March/April 1987, The Alan Guttmacher Institute, New York, NY.

**NO. 104. LEGAL ABORTIONS—NUMBER, RATE PER 1,000 WOMEN 15-44 YEARS OLD, AND ABORTION/LIVE BIRTH RATIO, BY STATE OF OCCURRENCE: 1973 TO 1985**

(Number of legal abortions are from surveys of hospitals, clinics, and physicians identified as providers of abortion services, conducted by the Alan Guttmacher Institute. Abortion rates are computed per 1,000 women 15-44 years of age on July 1 of specified year; abortion ratios are computed as the number of abortions per 1,000 live births from July 1 of year shown to June 30 of following year, by State of occurrence.)

STATE	NUMBER OF ABORTIONS (1,000)				RATE PER 1,000 WOMEN 15-44 YEARS OLD				RATIO: ABORTIONS PER 1,000 LIVE BIRTHS			
	1973	1980	1984	1985	1973	1980	1984	1985	1973	1980	1984	1985
<b>United States</b>	<b>744.6</b>	<b>1,003.9</b>	<b>1,577.2</b>	<b>1,598.6</b>	<b>16.3</b>	<b>29.3</b>	<b>28.1</b>	<b>28.0</b>	<b>239</b>	<b>428</b>	<b>422</b>	<b>429</b>
<b>New England</b>	<b>23.1</b>	<b>83.9</b>	<b>89.7</b>	<b>85.4</b>	<b>8.8</b>	<b>28.9</b>	<b>27.2</b>	<b>28.6</b>	<b>182</b>	<b>339</b>	<b>408</b>	<b>394</b>
Maine	7	4.8	5.2	5.0	3.3	18.8	19.8	18.6	47	289	311	308
New Hampshire	6	4.7	6.7	7.0	3.3	21.1	28.3	29.0	52	347	502	419
Vermont	1.5	3.8	3.5	3.4	14.8	30.4	29.7	28.2	233	406	448	448
Massachusetts	12.4	45.5	26.3	40.3	10.1	32.5	26.4	29.3	173	606	442	533
Rhode Island	1.1	6.6	7.5	7.8	5.8	30.7	34.1	35.5	■	529	■	572
Connecticut	6.8	18.4	21.5	21.9	10.4	25.8	29.0	29.3	186	561	■	550
<b>Middle Atlantic</b>	<b>252.9</b>	<b>311.8</b>	<b>318.8</b>	<b>321.7</b>	<b>32.8</b>	<b>37.8</b>	<b>37.3</b>	<b>37.6</b>	<b>931</b>	<b>927</b>	<b>911</b>	<b>907</b>
New York	212.7	187.5	192.0	195.1	54.5	45.8	46.6	47.4	■	780	746	748
New Jersey	10.2	55.5	65.9	69.2	6.7	32.8	37.9	39.5	113	591	636	672
Pennsylvania	29.9	68.9	60.7	57.4	12.2	25.1	22.8	21.3	200	423	379	■
<b>East North Central</b>	<b>97.4</b>	<b>342.9</b>	<b>224.7</b>	<b>229.4</b>	<b>11.1</b>	<b>34.9</b>	<b>22.8</b>	<b>22.1</b>	<b>191</b>	<b>399</b>	<b>399</b>	<b>386</b>
Ohio	17.3	67.1	58.0	57.4	7.4	26.8	22.7	22.4	109	397	357	357
Indiana	1.8	19.6	16.1	16.1	1.5	15.3	12.2	12.2	21	227	196	202
Illinois	32.8	69.1	65.9	65.0	13.8	25.8	24.2	23.6	199	374	366	372
Michigan	37.5	65.2	66.0	64.4	19.1	29.7	28.6	28.7	272	457	494	486
Wisconsin	8.2	21.8	18.6	17.8	6.6	20.1	16.6	15.7	129	292	251	246
<b>West North Central</b>	<b>89.8</b>	<b>78.3</b>	<b>73.8</b>	<b>68.2</b>	<b>8.8</b>	<b>18.2</b>	<b>18.3</b>	<b>18.7</b>	<b>111</b>	<b>280</b>	<b>263</b>	<b>252</b>
Minnesota	7.3	19.0	17.4	16.9	8.8	20.7	17.3	■	137	298	262	257
Iowa	2.3	8.3	10.4	9.9	4.0	14.3	15.8	15.0	59	196	240	248
Missouri	3.4	21.8	22.1	20.1	3.5	19.4	19.2	17.3	49	273	278	261
North Dakota	—	3.1	2.9	2.9	—	21.5	19.3	18.5	—	235	229	230
South Dakota	1.6	1.4	1.8	1.7	12.2	9.0	11.4	10.6	153	103	■	140
Nebraska	2.3	6.4	6.7	6.7	7.2	17.9	16.4	16.2	99	227	253	268
Kansas	12.6	13.6	12.4	10.2	28.5	25.6	22.4	18.2	413	343	313	264
<b>South Atlantic</b>	<b>114.4</b>	<b>264.8</b>	<b>268.8</b>	<b>267.1</b>	<b>18.0</b>	<b>29.4</b>	<b>27.4</b>	<b>27.1</b>	<b>233</b>	<b>482</b>	<b>431</b>	<b>429</b>
Delaware	2.1	3.7	4.7	4.6	18.3	25.9	31.8	30.9	255	395	506	451
Maryland	11.1	30.5	29.1	29.5	12.2	29.2	26.8	26.9	241	571	496	480
District of Columbia	44.8	■	23.7	23.9	251.4	188.3	142.9	145.9	2,366	1,599	1,170	1,189
Virginia	8.4	31.8	31.7	34.2	7.6	24.2	22.8	24.0	124	417	386	412
West Virginia	(2)	3.0	4.7	4.6	1	6.9	10.4	10.1	2	104	164	■
North Carolina	12.3	31.9	35.8	34.2	10.2	22.6	24.0	22.8	146	377	398	379
South Carolina	2.2	13.7	11.3	11.2	3.5	18.2	14.0	13.7	47	274	229	228
Georgia	11.0	37.9	36.7	38.3	10.0	28.4	26.8	26.1	129	395	■	397
Florida	■	73.6	75.8	76.7	14.7	35.5	32.3	31.8	214	547	470	465
<b>East South Central</b>	<b>12.7</b>	<b>66.3</b>	<b>57.4</b>	<b>57.4</b>	<b>4.4</b>	<b>19.2</b>	<b>18.0</b>	<b>18.8</b>	<b>88</b>	<b>271</b>	<b>255</b>	<b>288</b>
Kentucky	2.6	12.8	10.1	9.8	3.6	15.1	11.4	11.0	48	215	■	189
Tennessee	5.3	25.6	22.6	22.4	5.6	23.6	19.5	19.1	79	352	317	315
Alabama	4.8	20.8	19.2	19.4	6.0	23.1	20.3	20.2	76	331	326	333
Mississippi	1	6.1	5.6	5.9	2	10.6	9.1	9.7	3	132	126	142
<b>West South Central</b>	<b>18.1</b>	<b>137.2</b>	<b>128.9</b>	<b>128.6</b>	<b>4.2</b>	<b>34.5</b>	<b>22.2</b>	<b>21.8</b>	<b>63</b>	<b>306</b>	<b>■</b>	<b>■</b>
Arkansas	1.1	6.2	4.7	5.4	2.7	12.3	8.8	10.1	25	173	137	150
Louisiana	—	17.7	20.7	19.2	—	17.6	19.1	17.4	—	218	252	240
Oklahoma	8	11.3	12.6	13.1	1.0	16.4	16.8	17.1	15	221	236	269
Texas	17.3	102.0	100.0	100.6	6.4	30.0	26.0	25.5	79	367	323	320
<b>Mountain</b>	<b>17.1</b>	<b>66.2</b>	<b>72.5</b>	<b>74.6</b>	<b>8.3</b>	<b>25.0</b>	<b>23.8</b>	<b>23.6</b>	<b>109</b>	<b>302</b>	<b>309</b>	<b>319</b>
Montana	5	3.7	3.9	3.7	3.0	20.1	20.1	18.0	■	265	283	289
Idaho	4	2.7	2.7	2.7	2.3	12.7	11.6	11.1	25	141	156	156
Wyoming	2	1.1	1.1	1.1	2.2	9.5	■	7.9	30	107	118	■
Colorado	7.6	23.1	24.6	24.4	13.5	31.4	29.8	28.6	195	447	442	438
New Mexico	4.7	8.4	5.4	6.1	18.9	27.0	15.6	17.4	227	358	198	219
Arizona	2.8	15.8	21.2	22.3	6.1	25.0	29.2	29.9	76	310	371	373
Utah	1	4.2	4.2	4.4	4	12.3	10.8	11.1	4	97	108	110
Nevada	1.0	9.2	9.4	9.9	7.1	46.6	39.8	40.5	106	697	611	641
<b>Pacific</b>	<b>178.5</b>	<b>314.8</b>	<b>386.2</b>	<b>385.9</b>	<b>28.5</b>	<b>41.8</b>	<b>42.8</b>	<b>42.8</b>	<b>446</b>	<b>561</b>	<b>598</b>	<b>604</b>
Washington	17.3	37.0	29.5	31.0	21.8	37.5	27.2	28.0	373	522	384	456
Oregon	11.4	17.7	15.3	15.2	23.3	26.3	22.8	22.3	356	396	377	374
California	143.9	250.4	297.7	304.1	30.5	43.7	47.8	47.9	485	598	■	640
Alaska	1.2	1.9	3.2	3.5	14.8	17.9	26.2	27.7	174	198	251	■
Hawaii	4.7	8.0	10.4	11.2	24.9	34.4	41.6	43.7	303	441	569	611

Represents zero. 2 Fewer than 50 legal abortions reported by providers.

Source: 1973 and 1980, S.K. Henshaw and E. Baines, eds., *Abortion Services in the United States, 1967-1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1984 and 1985, Henshaw, S.K., J.D. Forrest, and J. Van Vorst, "Abortion Services in the United States, 1984 and 1985", *Family Planning Perspectives*, vol. 19, No. 2, March/Apr 1987, The Alan Guttmacher Institute, New York, NY

## No. 105. LEGAL ABORTIONS, BY SELECTED CHARACTERISTICS: 1973 TO 1983

[Number of abortions from surveys conducted by source; characteristics from the U.S. Centers for Disease Control's (CDC) annual abortion surveillance summaries, with adjustments for changes in States reporting data to the CDC each year]

CHARACTERISTIC	NUMBER (1,000)							PERCENT DISTRIBUTION			ABORTION RATIO <sup>1</sup>		
	1973	1975	1979	1980	1981	1982	1983	1973	1980	1983	1973	1980	1983
Total legal abortions	745	1,034	1,468	1,554	1,577	1,574	1,575	100.0	100.0	100.0	169	305	1
Age of woman:													
Less than 15 years old	12	15	18	15	15	15	15	1.6	1.0	1.0	476	807	1
15-19 years old	232	325	445	445	433	419	411	31.2	28.8	26.1	280	451	1
20-24 years old	241	332	528	549	555	552	548	32.3	35.4	34.8	181	310	1
25-29 years old	130	189	284	304	316	328	328	17.4	19.8	20.8	128	213	1
30-34 years old	73	100	142	153	167	166	172	9.7	9.8	10.9	165	213	1
35-39 years old	41	53	85	87	70	73	78	5.5	4.3	5.0	246	317	1
40 years old and over	17	21	20	21	21	21	21	2.3	1.3	1.4	334	481	1
Race of woman:													
White	549	701	1,082	1,094	1,108	1,095	1,084	73.7	70.4	68.8	178	274	1
Black and other	196	333	435	460	470	479	491	26.3	29.6	31.2	252	362	1
Marital status of woman:													
Married	216	272	322	320	299	300	295	29.0	20.8	18.7	74	95	1
Unmarried	528	762	1,178	1,234	1,279	1,274	1,280	71.0	79.4	81.3	564	849	1
Number of prior live births:													
None	411	543	888	900	912	903	890	55.2	57.9	56.5	242	305	1
1	115	194	267	305	312	321	329	15.4	19.6	20.9	108	206	1
2	104	156	207	218	220	222	228	13.9	13.9	14.4	190	283	1
3	61	78	82	83	85	82	83	8.1	5.3	5.3	226	286	1
4 or more	55	64	53	51	49	46	45	7.4	3.3	2.9	196	251	1
Number of prior induced abortions:													
None	(NA)	522	1,025	1,043	1,023	994	964	(NA)	57.1	51.2	(NA)	(NA)	1
1	(NA)	170	352	373	380	398	405	(NA)	24.0	25.8	(NA)	(NA)	1
2 or more	(NA)	42	121	138	165	182	205	(NA)	8.9	13.0	(NA)	(NA)	1
Weeks of gestation:													
Less than 9 weeks	264	481	749	800	810	806	792	38.2	51.5	50.3	(NA)	(NA)	1
9-10 weeks	222	290	413	417	424	420	424	29.7	26.8	26.9	(NA)	(NA)	1
11-12 weeks	131	151	204	202	202	205	210	17.5	13.0	13.3	(NA)	(NA)	1
13 weeks or more	108	112	133	136	139	143	149	14.6	8.7	9.5	(NA)	(NA)	1

NA Not available. <sup>1</sup> Number of abortions per 1,000 abortions and live births. Live births are those which occurred from 1 of year shown through June 30 of the following year (to match time of conception with abortions).

Source: 1973-1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981-1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1982 and 1983, S.K. Henshaw, "Characteristics of U.S. Women Having Abortions, 1982-1983", *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987, The Alan Guttmacher Institute, New York, NY

## No. 105. EXPECTATION OF LIFE AT BIRTH: 1920 TO 1986

[In years. Prior to 1960, excludes Alaska and Hawaii. Data prior to 1940 for death-registration States only; see text, section Beginning 1970, excludes deaths of nonresidents of the United States. See also *Historical Statistics, Colonial Times to 1911* series B 107-115]

YEAR	TOTAL			WHITE			BLACK AND OTHER			BLACK		FR
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	
1920	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2	(NA)	(NA)	1
1930	59.7	58.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2	(NA)	(NA)	1
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	(NA)	(NA)	1
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	(NA)	(NA)	1
1955	69.6	66.7	72.6	70.5	67.4	73.7	63.7	61.4	66.1	(NA)	(NA)	1
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	(NA)	(NA)	1
1965	70.2	66.6	73.7	71.0	67.6	74.7	64.1	61.1	67.4	(NA)	(NA)	1
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	1
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.6	64.6	60.5	1
1972	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	1
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	1
1974	72.0	68.2	75.9	72.6	69.0	76.7	67.1	62.9	71.3	66.0	61.7	1
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.6	62.4	1
1976	72.9	69.1	76.8	73.8	69.9	77.5	68.4	64.2	72.7	67.2	62.9	1
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	1
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	1
1979	73.9	70.0	77.6	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	1
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	1
1981	74.2	70.4	77.8	74.8	71.1	78.4	70.3	66.1	74.4	68.9	64.5	1
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	65.1	1
1983	74.6	71.0	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.6	65.4	1
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	65.6	1
1985	74.7	71.2	78.2	75.3	71.9	78.7	71.2	67.2	75.0	69.5	65.5	1
1986, prel	74.9	71.3	78.3	75.4	72.0	78.9	71.4	67.6	75.1	69.6	65.6	1

NA Not available.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished

## NO. 107. SELECTED LIFE TABLE VALUES: 1959 TO 1965

> 1960, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the United States. See *Historical Statistics, Colonial Times to 1970*, series B 118-125]

AGE AND SEX	WHITE					BLACK		
	1959-1961	1969-1971	1975	1980	1985	1975	1980	1985
AVERAGE EXPECTATION OF LIFE IN YEARS								
Male	67.6	67.9	68.5	70.7	71.9	62.4	63.6	65.3
Female	74.2	75.5	77.3	78.7	79.7	71.3	72.5	73.5
Male	50.3	50.2	51.5	52.4	53.3	45.2	46.0	47.4
Female	56.3	57.2	58.6	59.4	59.8	53.7	54.3	55.3
Male	31.7	31.9	33.1	34.0	34.7	28.8	29.1	30.2
Female	37.1	38.1	39.5	40.1	40.4	35.3	35.7	36.6
Male	23.2	23.3	24.4	25.2	25.8	21.8	21.8	22.5
Female	28.1	29.1	30.4	30.9	31.1	27.2	27.3	27.9
Male	13.0	13.0	13.8	14.2	14.6	13.1	12.9	13.3
Female	15.9	16.9	18.2	18.5	18.7	16.7	16.5	17.0
AGE DEATHS EXPECTED PER 1,000 ALIVE AT SPECIFIED AGE <sup>1</sup>								
Male	25.9	20.1	15.9	12.9	10.6	28.4	23.4	18.9
Female	18.6	15.3	12.3	9.7	8.0	24.1	19.5	16.5
Male	1.8	1.9	1.8	1.8	1.5	2.8	2.4	1.9
Female	.6	.8	.6	.6	.5	1.0	.7	.6
Male	3.3	3.4	2.9	2.6	2.5	8.0	7.0	6.7
Female	1.9	1.9	1.7	1.4	1.3	4.0	3.3	2.9
Male	9.8	8.9	8.0	7.1	6.2	15.2	15.1	13.1
Female	4.7	4.7	4.2	3.8	3.5	8.5	7.8	6.7
Male	33.9	33.9	30.0	27.5	24.9	38.1	39.3	36.1
Female	17.4	15.6	13.7	13.7	13.5	20.9	21.9	20.9
MEAN SURVIVING TO SPECIFIED AGE PER 1,000 BORN LIVE								
Male	969	964	970	975	979	954	951	967
Female	971	978	980	983	986	968	972	978
Male	924	925	935	939	948	883	883	898
Female	953	957	964	969	973	929	941	948
Male	874	877	890	901	912	772	796	819
Female	925	929	939	947	953	878	893	908
Male	658	652	695	723	745	521	545	561
Female	807	809	847	858	858	704	728	749

Footnote 1, table 109.

U.S. National Center for Health Statistics, *U.S. Life Tables and Actuarial Tables, 1969-81 and 1969-71*, and *Vital Statistics of the United States*, annual; and unpublished data.

## NO. 106. AVERAGE LIFETIME IN YEARS, BY SEX—STATES: 1979-1981

BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female
Number	Rank				Number	Rank				Number	Rank		
73.88	(x)	78.11	77.62	KS.	75.31	8	71.60	78.96	ND	75.71	5	72.09	79.86
72.53	45	68.28	76.79	KY.	73.06	41	69.14	77.12	OH	73.49	35	69.65	77.06
72.24	46	68.71	76.87	LA	71.74	50	67.64	75.89	OK	73.87	31	69.63	77.81
74.30	21	70.46	78.34	ME	74.59	19	70.78	78.41	OR	74.99	14	71.35	78.77
73.72	29	69.73	77.83	MD	73.32	36	68.71	76.83	PA	73.58	34	69.90	77.16
				MA	75.01	13	71.27	78.48	RI	74.76	18	70.96	78.33
74.57	20	71.09	78.02	MI	73.67	31	70.07	77.29	SC	71.85	49	67.56	76.12
75.30	6	71.78	78.80	MN	76.15	2	72.52	79.82	SD	74.97	16	71.03	79.21
75.12	12	71.51	78.57	MS	71.98	48	67.84	76.39	TN	73.30	39	69.15	77.47
73.21	40	69.56	76.78	MO	73.84	27	69.82	77.72	TX	73.84	33	69.70	77.67
68.20	(x)	64.55	73.70	MT	73.93	25	70.47	77.68	UT	75.76	4	72.38	79.18
74.00	23	70.06	77.86	NE	75.49	6	71.73	78.29	VT	74.79	17	71.06	78.49
72.22	47	68.01	76.35	NV	72.64	44	69.26	76.48	VA	73.43	36	69.60	77.27
77.02	1	74.08	80.33	NH	74.88	15	71.43	78.42	WA	75.13	11	71.74	78.57
76.19	10	71.52	79.15	NJ	74.00	23	70.46	77.39	WV	72.84	43	68.86	76.93
73.37	37	69.55	77.13	NM	74.01	22	69.81	76.34	WI	75.35	7	71.86	78.87
73.64	27	70.16	77.45	NY	73.70	30	70.02	77.18	WY	73.85	26	69.95	78.20
75.61	3	72.00	79.60	NC	72.98	42	68.60	77.35					

if applicable. <sup>1</sup> Florida and New Jersey share the same rank of 23; Indiana and Missouri share the same rank of 27; and Oklahoma share the same rank of 31. Therefore, the numbers 24, 28, and 32 are omitted in order for the States to

U.S. National Center for Health Statistics, *U.S. Decennial Life Tables for 1979-81, Vol. II State Life Tables (each State)*, 1985.

## NO. 109. EXPECTATION OF LIFE AND EXPECTED DEATHS, BY RACE, SEX, AND AGE: 1985

AGE IN 1985 (years)	EXPECTATION OF LIFE IN YEARS					EXPECTED DEATHS PER 1,000 ALIVE AT SPECIFIED AGE <sup>1</sup>				
	Total	White		Black		Total	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Female
At birth	74.7	71.9	77.1	65.3	73.5	10.89	10.59	8.03	19.94	11.14
1	74.5	71.6	76.4	65.7	73.8	70	74	54	1.14	1.14
2	73.8	70.7	77.4	64.7	72.8	54	55	42	.92	.92
3	72.8	69.7	76.5	63.6	71.9	43	43	34	.74	.74
4	71.7	68.7	75.5	62.9	70.9	35	35	28	.61	.61
5	70.7	67.8	74.5	61.9	70.0	31	31	24	.52	.52
6	69.7	66.8	73.5	60.9	69.0	27	28	21	.44	.44
7	68.7	65.8	72.5	59.9	68.0	25	26	19	.36	.36
8	67.7	64.8	71.5	59.0	67.1	22	24	17	.34	.34
9	66.8	63.8	70.5	58.0	66.1	21	21	16	.31	.31
10	65.8	62.8	69.5	57.0	65.1	19	19	14	.29	.29
11	64.8	61.9	68.6	56.0	64.1	19	20	15	.31	.31
12	63.8	60.9	67.6	55.0	63.1	23	27	17	.38	.38
13	62.8	59.9	66.6	54.1	62.1	32	41	22	.50	.50
14	61.8	58.9	65.6	53.1	61.1	45	60	29	.88	.88
15	60.9	58.0	64.6	52.1	60.2	59	81	37	1.14	1.14
16	59.9	57.0	63.7	51.2	59.2	72	1.00	44	1.04	1.04
17	58.9	56.1	62.7	50.2	58.2	84	1.17	50	1.24	1.24
18	58.0	55.1	61.7	49.3	57.2	97	1.30	52	1.45	1.45
19	57.0	54.2	60.7	48.4	56.3	97	1.38	51	1.66	1.66
20	56.1	53.3	59.8	47.4	55.3	1.02	1.47	50	1.86	1.86
21	55.1	52.3	58.8	46.5	54.3	1.08	1.55	50	2.11	2.11
22	54.2	51.4	57.8	45.6	53.4	1.11	1.60	49	2.30	2.30
23	53.3	50.5	56.9	44.7	52.4	1.12	1.61	49	2.43	2.43
24	52.3	49.6	55.9	43.8	51.4	1.12	1.59	50	2.53	2.53
25	51.4	48.7	54.9	42.9	50.5	1.12	1.54	50	2.61	2.61
26	50.4	47.7	53.9	42.1	49.5	1.11	1.51	51	2.71	2.71
27	49.5	46.8	53.0	41.2	48.6	1.12	1.49	52	2.86	2.86
28	48.5	45.9	52.0	40.3	47.6	1.15	1.48	53	3.03	3.03
29	47.6	44.9	51.0	39.4	46.7	1.19	1.52	56	3.33	3.33
30	46.7	44.0	50.1	38.5	45.8	1.23	1.56	59	3.61	3.61
31	45.7	43.1	49.1	37.7	44.8	1.28	1.58	62	3.90	3.90
32	44.8	42.2	48.1	36.8	43.9	1.34	1.62	66	4.17	4.17
33	43.8	41.2	47.1	36.0	43.0	1.39	1.66	70	4.41	4.41
34	42.9	40.3	46.2	35.1	42.0	1.45	1.74	75	4.63	4.63
35	42.0	39.4	45.2	34.3	41.1	1.53	1.82	80	4.86	4.86
36	41.0	38.4	44.3	33.5	40.2	1.61	1.91	87	5.13	5.13
37	40.1	37.5	43.3	32.6	39.3	1.72	2.02	95	5.44	5.44
38	39.2	36.6	42.3	31.8	38.4	1.83	2.15	1.04	5.84	5.84
39	38.2	35.7	41.4	31.0	37.5	1.97	2.29	1.13	6.23	6.23
40	37.3	34.7	40.4	30.2	36.6	2.12	2.44	1.26	6.70	6.70
41	36.4	33.8	39.5	29.4	35.7	2.30	2.66	1.38	7.18	7.18
42	35.5	32.9	38.5	28.6	34.8	2.50	2.89	1.52	7.67	7.67
43	34.5	32.0	37.6	27.8	33.9	2.72	3.13	1.68	8.15	8.15
44	33.6	31.1	36.6	27.0	33.0	2.97	3.41	1.87	8.63	8.63
45	32.7	30.2	35.7	26.3	32.1	3.25	3.73	2.07	9.14	9.14
46	31.8	29.3	34.8	25.5	31.3	3.56	4.09	2.30	9.70	9.70
47	31.0	28.4	33.9	24.7	30.4	3.92	4.51	2.55	10.37	10.37
48	30.1	27.6	32.9	24.0	29.6	4.32	5.00	2.82	11.16	11.16
49	29.2	26.7	32.0	23.3	28.8	4.76	5.56	3.12	12.11	12.11
50	28.3	25.8	31.1	22.5	27.9	5.26	6.15	3.46	13.13	13.13
51	27.5	25.0	30.2	21.6	27.1	5.77	6.81	3.82	14.20	14.20
52	26.6	24.2	29.4	21.1	26.3	6.36	7.56	4.21	15.27	15.27
53	25.8	23.3	28.5	20.5	25.5	6.98	8.40	4.62	16.31	16.31
54	25.0	22.5	27.6	19.8	24.7	7.67	9.34	5.05	17.37	17.37
55	24.2	21.7	26.7	19.1	24.0	8.41	10.36	5.52	18.42	18.42
56	23.4	21.0	25.9	18.5	23.2	9.20	11.43	6.03	19.58	19.58
57	22.6	20.2	25.0	17.8	22.5	10.06	12.58	6.61	21.00	21.00
58	21.8	19.5	24.2	17.2	21.7	11.00	13.80	7.27	22.78	22.78
59	21.1	18.7	23.4	16.6	21.0	12.02	15.10	8.00	24.84	24.84
60	20.3	18.0	22.6	16.0	20.3	13.12	16.49	8.80	27.16	27.16
61	19.6	17.3	21.8	15.4	19.6	14.29	17.99	9.66	29.51	29.51
62	18.8	16.6	21.0	14.9	19.0	15.50	19.57	10.54	31.85	31.85
63	18.1	15.9	20.2	14.4	18.3	16.74	21.24	11.46	33.36	33.36
64	17.4	15.3	19.4	13.8	17.6	18.03	23.02	12.42	34.84	34.84
65	16.7	14.6	18.7	13.3	17.0	19.39	24.89	13.45	36.14	36.14
70	13.5	11.8	15.0	10.8	13.8	29.31	36.54	20.79	50.61	50.61
75	10.6	9.0	11.7	8.7	11.1	43.98	56.93	32.63	66.24	66.24
80	8.1	6.8	8.7	6.8	8.6	67.00	89.27	53.59	95.77	95.77
85 and over	6.0	5.1	6.4	5.7	6.9	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00

<sup>1</sup> Based on the proportion of the cohort who are alive at the beginning of an indicated age interval who will die before the end of that interval. For example, out of every 1,000 people alive and exactly 50 years old at the beginning of the interval between 5 and 6 (5.25) will die before reaching their 51st birthdays.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

## NO. 110. DEATHS AND DEATH RATES, BY SEX AND RACE: 1960 TO 1966

per 1,000 population for specified groups. Except as noted, excludes deaths of nonresidents of the U.S. Excludes his. For explanation of age-adjustment, see text, section 2. The standard population for this table is the total population of the United States enumerated in 1940. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 167-3 161-192.]

SEX AND RACE	1960	1970	1975	1979	1975	1980	1981	1982	1982	1984	1986	1986, 11 proj.
<sup>a</sup> (1,000)	1,712	1,821	1,888	1,828	1,914	1,983	1,978	1,978	2,019	2,036	2,066	2,066
males	976	1,079	1,061	1,055	1,045	1,075	1,084	1,056	1,072	1,077	1,098	1,101
100,000	736	843	842	872	988	915	914	918	947	953	988	989
females	1,505	1,682	1,680	1,680	1,678	1,738	1,731	1,729	1,766	1,782	1,819	1,829
100,000	861	942	916	920	910	934	925	919	932	935	950	953
(1,000)	844	740	743	770	788	805	805	810	834	847	888	876
30	198	226	218	221	221	233	229	227	233	238	244	247
100	108	126	124	125	124	130	127	128	126	129	134	134
(1,000)	88	98	94	97	98	103	101	101	105	107	111	113
rates	9.5	9.5	9.9	9.7	9.8	9.8	9.8	9.5	9.6	9.6	9.7	9.7
	11.0	10.9	10.0	9.8	9.6	9.8	9.5	9.4	9.4	9.4	9.5	9.4
	8.1	8.1	7.5	7.6	7.5	7.9	7.8	7.7	7.9	7.9	8.1	8.1
	9.5	9.5	9.9	9.8	9.7	9.9	9.6	9.7	9.8	9.9	9.9	9.9
	11.0	10.9	10.0	9.8	9.6	9.8	9.7	9.5	9.6	9.5	9.6	9.6
	8.0	8.1	7.8	7.8	7.7	8.1	8.0	8.0	8.2	8.2	8.4	8.4
	10.4	10.0	9.8	9.6	9.4	9.8	9.4	9.2	9.3	9.3	9.5	9.4
	11.8	11.9	10.5	10.2	10.0	10.3	9.9	9.6	9.6	9.6	9.8	9.6
	9.1	8.3	7.5	7.1	7.0	7.3	7.1	6.9	7.1	7.1	7.3	7.3
adjusted death												
100,000	7.8	7.1	6.2	6.0	6.6	6.6	6.7	6.6	6.6	6.6	6.6	6.4
	9.5	9.3	8.4	7.9	7.7	7.8	7.5	7.3	7.3	7.2	7.2	7.1
	5.9	5.3	4.6	4.4	4.2	4.3	4.2	4.1	4.1	4.1	4.1	4.1
	7.3	6.6	6.0	5.7	5.5	5.8	5.4	5.3	5.3	5.2	5.2	5.2
	9.2	8.9	8.0	7.6	7.4	7.5	7.2	7.1	7.0	6.9	6.9	6.8
	5.8	5.0	4.4	4.2	4.0	4.1	4.0	3.9	3.9	3.9	3.9	3.9
	10.7	10.4	8.9	8.3	8.1	8.4	8.0	7.8	7.8	7.7	7.6	7.7
	12.5	13.2	11.6	10.9	10.7	11.1	10.7	10.4	10.2	10.1	10.2	10.0
	9.2	8.1	6.7	6.2	6.1	6.3	6.0	5.8	5.9	5.9	5.9	5.9

<sup>a</sup> deaths of nonresidents of the U.S. <sup>b</sup> Based on a 10-percent sample of deaths. <sup>c</sup> Includes other races, not separately.

U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

## NO. 111. DEATH RATES, BY AGE, SEX, AND RACE: 1960 TO 1966

[Number of deaths per 100,000 population in specified group. See headnote, table 110.]

AGE, SEX, AND RACE	All ages	Under 1 yr old	1-4 yr old	5-14 yr old	15-24 yr old	25-34 yr old	35-44 yr old	45-54 yr old	55-64 yr old	65-74 yr old	75-84 yr old	85 yr old and over
<b>MALE</b>												
1960	1,105	3,059	120	56	152	188	373	992	2,310	4,614	10,178	21,186
1970	1,090	2,410	93	51	169	215	403	959	2,283	4,674	10,010	17,822
1975	1,002	1,786	77	41	174	199	345	859	2,019	4,409	9,154	18,135
1979	977	1,429	73	37	172	195	289	787	1,815	4,105	8,817	18,801
1980	936	1,198	57	32	142	174	270	677	1,705	3,613	8,446	18,119
1981	945	1,197	56	32	141	178	278	699	1,693	3,758	8,504	18,325
1982	938	1,157	56	32	152	190	287	667	1,646	3,660	8,297	18,168
70	1,067	2,113	84	48	171	177	344	883	2,203	4,810	10,099	18,552
1970	983	1,230	68	35	167	171	257	699	1,729	4,036	8,830	19,087
1975	980	1,039	52	30	136	157	241	608	1,614	3,717	8,500	18,769
1980	955	990	51	30	146	167	251	607	1,580	3,616	8,305	18,537
70	1,187	4,299	151	67	321	580	957	1,778	3,257	5,803	9,455	12,222
1970	1,034	2,587	111	47	209	407	690	1,480	2,873	5,131	9,232	16,099
1975	977	2,135	89	41	174	347	642	1,283	2,623	4,899	9,298	15,046
1980	984	2,140	84	44	190	379	636	1,282	2,500	4,562	9,103	15,508
<b>FEMALE</b>												
1960	808	2,321	98	37	81	107	229	527	1,196	2,872	7,633	19,008
1970	808	1,864	75	32	86	102	231	517	1,089	2,560	6,678	15,518
1975	761	1,411	63	27	80	84	191	455	994	2,237	5,743	14,455
1979	785	1,142	55	24	56	78	159	413	934	2,145	5,440	14,747
1980	793	988	47	21	51	69	142	375	918	2,066	5,168	14,054
1981	807	932	45	21	50	69	138	373	919	2,065	5,220	14,343
1982	807	912	45	21	63	70	140	352	914	2,006	5,133	14,154
70	813	1,615	66	30	82	84	193	483	1,015	2,471	6,899	15,980
1970	808	963	49	23	56	85	138	373	876	2,067	5,402	14,980
1975	837	787	40	19	48	59	121	340	864	2,026	5,171	14,579
1980	836	758	40	19	52	61	124	319	863	2,036	5,067	14,328
70	829	3,369	129	44	112	231	533	1,044	1,986	3,861	6,662	10,707
1970	733	2,124	84	31	71	150	324	788	1,561	3,057	6,212	12,367
1975	728	1,757	71	26	60	136	278	654	1,502	2,926	6,252	12,156
1980	732	1,780	76	29	80	140	276	634	1,471	2,956	6,061	12,671

<sup>a</sup> unknown age. <sup>b</sup> Includes other races not shown separately. <sup>c</sup> Includes deaths of nonresidents. <sup>d</sup> Based on 10 sample of deaths.

U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.



## NO. 112. DEATHS AND DEATH RATES, BY STATE: 1970 TO 1986

[Excludes deaths of nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION AND STATE	NUMBER OF DEATHS (1,000)							RATE PER 1,000 POPULATION						
	By State of residence						By State of occurrence <sup>1</sup>	By State of residence					By State of occurrence <sup>1</sup>	
	1970	1980	1983	1984	1985	1986	1986	1970	1980	1983	1984	1985	1986	
<b>United States</b>	1,921	1,980	2,019	2,030	2,040	2,099	2,099	9.5	9.5	9.6	9.6	9.7	9.7	
<b>Region:</b>														
Northeast	490	480	475	478	485	484	483	10.2	9.8	9.6	9.6	9.7	9.7	
Midwest	541	524	525	522	532	529	536	9.6	8.9	8.9	8.8	9.0	8.9	
South	593	659	684	692	713	717	727	9.5	9.7	9.6	9.6	9.7	9.8	
West	298	327	334	347	356	359	354	8.3	7.6	7.2	7.4	7.4	7.5	
<b>New England</b>	118	115	114	116	119	119	116	9.8	9.3	9.2	9.2	9.3	9.4	
Maine	11	11	11	11	11	11	11	11.1	9.6	9.5	9.4	9.6	9.6	
New Hampshire	7	8	8	8	8	8	8	10.0	8.3	8.3	8.2	8.5	8.3	
Vermont	4	5	5	5	5	5	5	10.0	9.0	8.7	8.6	8.7	8.9	
Massachusetts	57	55	54	55	56	56	54	10.1	9.6	9.4	9.5	9.6	9.7	
Rhode Island	9	9	9	9	10	10	10	10.0	9.6	9.7	9.8	10.0	10.2	
Connecticut	26	27	27	28	28	26	27	8.6	8.8	8.7	8.8	8.9	8.9	
<b>Middle Atlantic</b>	363	365	361	362	367	365	367	10.3	9.8	9.7	9.8	9.9	9.8	
New York	188	173	170	171	172	171	173	10.3	9.8	9.6	9.6	9.7	9.7	
New Jersey	69	69	69	69	71	70	69	9.5	9.4	9.3	9.2	9.4	9.2	
Pennsylvania	127	124	121	122	124	124	125	10.6	10.4	10.3	10.3	10.4	10.5	
<b>East North Central</b>	377	365	365	363	370	368	372	9.4	8.8	8.8	8.7	8.9	8.8	
Ohio	100	98	98	97	99	99	100	9.4	9.1	9.1	9.0	9.2	9.2	
Indiana	49	47	48	47	48	48	50	9.3	8.6	8.7	8.6	8.8	8.8	
Illinois	111	103	102	101	102	99	101	10.0	9.0	8.9	8.8	8.9	8.8	
Michigan	78	75	77	77	79	77	79	8.6	8.1	8.5	8.5	8.7	8.5	
Wisconsin	41	41	41	41	41	41	42	9.2	8.7	8.6	8.6	8.7	8.7	
<b>West North Central</b>	184	189	180	189	182	183	184	10.1	9.2	9.2	9.1	9.2	9.3	
Minnesota	34	33	34	34	35	35	35	8.9	8.2	8.2	8.1	8.3	8.4	
Iowa	29	27	26	27	28	27	27	10.4	9.3	9.5	9.3	9.7	9.5	
Missouri	52	50	50	49	50	52	54	11.1	10.1	10.0	9.8	10.0	10.3	
North Dakota	6	6	6	6	6	6	6	9.1	8.6	8.2	8.1	8.2	8.7	
South Dakota	7	7	7	7	7	7	7	9.9	9.5	9.5	9.3	9.3	9.3	
Nebraska	15	14	15	15	15	15	15	10.1	9.2	9.2	9.1	9.3	9.4	
Kansas	22	22	22	22	22	22	22	9.7	9.3	9.0	9.1	9.0	9.6	
<b>South Atlantic</b>	330	330	345	360	364	385	374	8.5	8.9	8.9	8.8	8.8	9.1	
Delaware	5	5	5	5	5	5	6	9.0	8.5	8.3	8.3	8.8	8.9	
Maryland	33	34	35	36	37	36	37	8.4	8.1	8.2	8.2	8.2	8.2	
District of Columbia	9	7	7	7	7	9	8	11.7	11.1	10.9	10.8	11.2	14.3	
Virginia	39	43	44	44	45	45	46	8.4	8.0	7.9	7.9	7.9	7.9	
West Virginia	20	19	19	19	19	20	20	11.5	9.9	9.9	9.8	10.0	10.1	
North Carolina	45	48	50	51	53	53	55	8.8	8.2	8.3	8.3	8.5	8.5	
South Carolina	23	25	26	26	27	26	27	8.8	8.1	8.0	8.0	8.1	7.8	
Georgia	42	44	46	47	49	49	50	9.1	8.1	8.0	8.0	8.1	8.3	
Florida	75	105	113	115	121	122	125	11.0	10.7	10.5	10.4	10.7	10.8	
<b>East South Central</b>	128	134	135	136	140	142	143	10.0	9.1	9.1	9.1	9.2	9.4	
Kentucky	33	34	34	34	35	34	34	10.3	9.2	9.2	9.0	9.4	9.2	
Tennessee	38	41	42	42	43	46	47	9.7	8.9	8.9	9.0	9.1	9.7	
Alabama	36	36	36	37	38	37	37	9.6	9.1	9.0	9.2	9.3	9.3	
Mississippi	23	24	24	24	25	24	24	10.5	9.4	9.3	9.2	9.4	9.1	
<b>West South Central</b>	175	196	204	209	209	210	211	9.1	8.2	7.9	7.9	7.9	7.9	
Arkansas	21	23	23	24	24	24	24	10.7	9.9	10.0	10.1	10.2	10.1	
Louisiana	33	36	36	36	37	37	37	9.2	8.5	8.2	8.0	8.3	8.3	
Oklahoma	27	28	29	29	30	29	29	10.5	9.3	8.9	8.9	9.0	8.7	
Texas	94	109	115	117	118	120	122	8.4	7.6	7.3	7.3	7.2	7.3	
<b>Mountain</b>	86	90	83	87	88	90	92	8.0	7.0	6.8	6.9	6.8	7.0	
Montana	7	7	7	7	7	7	7	9.5	8.5	8.2	8.2	8.2	8.0	
Idaho	6	7	7	7	7	7	7	8.6	7.2	7.3	7.3	7.1	6.8	
Wyoming	3	3	3	3	3	3	3	8.8	6.9	6.1	6.2	6.4	6.1	
Colorado	17	19	20	20	20	21	21	7.9	6.6	6.2	6.4	6.3	6.4	
New Mexico	7	9	9	10	10	10	10	7.3	7.0	6.6	6.7	6.7	6.7	
Arizona	15	21	23	24	25	25	26	8.4	7.9	7.6	7.8	7.7	8.0	
Utah	7	8	9	9	9	9	9	8.7	5.6	5.3	5.5	5.5	5.7	
Nevada	4	6	6	7	7	8	8	7.9	7.4	7.1	7.4	7.7	8.4	
<b>Pacific</b>	221	247	251	260	268	269	262	6.9	7.8	7.5	7.6	7.7	7.7	
Washington	30	32	33	34	35	35	33	8.8	7.7	7.6	7.8	7.8	7.8	
Oregon	20	22	22	23	24	24	23	9.3	8.3	8.5	8.7	8.8	8.9	
California	186	187	188	196	202	203	198	8.3	7.9	7.5	7.6	7.7	7.7	
Alaska	1	2	2	2	2	2	2	4.6	4.3	3.9	3.8	4.0	4.0	
Hawaii	4	5	5	6	6	6	6	5.2	5.2	5.4	5.4	5.5	5.8	

<sup>1</sup> Includes deaths of nonresidents.Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished.

### 13. INFANT, MATERNAL, AND NEONATAL MORTALITY RATES, AND FETAL MORTALITY RATIOS, BY RACE: 1960 TO 1985

1 per 1,000 live births, except as noted. Beginning 1970, excludes deaths of nonresidents of U.S. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 136-147]

ITEM	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Infants <sup>1</sup>	26.0	20.0	18.1	15.2	14.1	13.8	13.1	12.6	11.9	11.5	11.2	10.8	10.6
Deaths <sup>2</sup>	22.9	17.8	14.2	13.3	12.3	12.0	11.4	11.0	10.5	10.1	9.7	9.4	9.3
and other	43.2	30.9	24.2	23.5	21.7	21.1	19.8	18.1	17.8	17.3	16.8	16.1	15.8
Rate <sup>3</sup>	44.3	32.6	26.2	25.5	23.8	23.1	21.8	21.4	20.0	19.6	19.2	18.4	18.2
Infant deaths <sup>4</sup>	37.1	21.5	12.8	12.9	11.2	9.6	9.6	9.2	8.5	7.9	8.0	7.8	7.8
Deaths <sup>2</sup>	26.0	14.4	9.1	9.0	7.7	6.4	6.4	6.7	6.3	5.8	5.9	5.4	5.2
and other	97.9	55.9	29.0	26.5	26.0	23.0	22.7	19.6	17.3	16.4	16.3	16.9	16.1
Rate <sup>3</sup>	103.6	59.8	31.3	29.5	29.2	25.0	25.1	21.5	20.4	18.2	18.3	19.7	20.4
Infants <sup>1</sup>	16.1	14.2	10.7	10.6	9.9	9.7	9.4	8.2	8.0	8.9	8.4	8.2	7.9
Deaths <sup>2</sup>	14.1	12.4	9.5	9.3	8.7	8.5	8.4	8.2	8.0	7.9	7.4	7.4	7.0
and other	26.8	22.8	16.0	15.2	14.6	14.7	13.8	13.4	12.8	12.7	12.2	11.5	11.3
Infant deaths <sup>4</sup>	18.7	15.1	11.6	10.8	9.9	9.5	9.3	8.6	8.0	7.7	7.3	7.8	7.0
Deaths <sup>2</sup>	17.2	13.8	10.4	9.7	8.7	8.4	7.9	7.5	7.1	6.8	6.4	6.2	6.1
and other	26.9	21.4	16.8	16.3	14.7	14.0	12.9	12.5	11.8	11.3	10.8	10.2	10.3
Rate <sup>3</sup>	27.8	22.8	18.3	17.9	16.1	15.5	14.3	14.1	13.4	13.1	12.4	11.8	12.1

<sup>1</sup> Deaths of infants under 1 year old, exclusive of fetal deaths.

<sup>2</sup> 100,000 live births from deliveries and complications of pregnancy, childbirth, and the puerperium. Beginning 1979 deaths coded according to the ninth revision of the *International Classification of Diseases*; for the earlier years classified according to the eighth revision in use at the time; see text, section 2.

<sup>3</sup> Beginning 1970, includes only those deaths with stated or presumed period of gestation of 20 weeks or more; for prior years, gestational age not stated. <sup>4</sup> Represents deaths of infants under 28 days old, exclusive of fetal deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

### O. 114. FETAL AND INFANT DEATHS—NUMBER AND PERCENT DISTRIBUTION: 1960 TO 1985

Requirements for reporting of fetal deaths vary. Most States require reporting of fetal deaths of gestations of 20 weeks or more. There is substantial evidence that not all fetal deaths for which reporting is required are reported. For details of methodology, see Appendix III and sources.]

YEAR	NUMBER						PERCENT DISTRIBUTION					
	Total	Fetal deaths		Infant deaths			Total	Fetal deaths		Infant deaths		
		Early <sup>1</sup>	Late <sup>2</sup>	Neonatal		Post-neo-natal <sup>3</sup>		Early <sup>1</sup>	Late <sup>2</sup>	Neonatal		Post-neo-natal <sup>3</sup>
				Early <sup>4</sup>	Late <sup>4</sup>					Early <sup>4</sup>	Late <sup>4</sup>	
	179,353	16,496	51,864	71,125	6,608	31,140	100.0	9.2	29.0	39.7	4.8	17.4
	153,725	15,383	45,476	59,675	6,741	26,447	100.0	10.0	29.6	38.8	4.4	17.2
	127,628	17,170	35,791	50,621	5,458	18,388	100.0	13.5	28.0	39.8	4.3	14.4
	84,321	8,995	24,801	31,396	5,020	14,109	100.0	10.7	29.4	37.2	6.0	16.7
	81,376	9,200	23,911	29,497	5,090	13,678	100.0	11.3	29.4	36.2	6.3	16.6
	80,028	9,399	23,654	27,839	5,021	14,115	100.0	11.7	29.6	34.6	6.3	17.6
	78,246	10,013	22,286	26,607	5,011	14,327	100.0	12.8	28.5	34.0	6.4	16.3
	78,634	10,402	22,567	26,051	4,929	14,685	100.0	13.2	28.7	33.1	6.3	16.7
	78,879	10,754	22,599	25,492	5,126	14,908	100.0	13.6	28.7	32.3	6.5	16.9
	75,901	11,126	21,470	24,364	4,737	14,184	100.0	14.7	28.3	32.1	6.2	16.7
	75,095	11,028	21,666	23,706	4,629	14,066	100.0	14.7	28.9	31.6	6.2	16.7
	71,379	10,933	19,619	22,315	4,192	14,120	100.0	15.3	27.8	31.3	5.9	16.8
	69,678	10,983	19,138	21,566	4,125	13,889	100.0	15.7	27.5	31.0	5.9	16.9
	69,691	10,958	18,703	21,665	4,314	13,651	100.0	15.7	26.8	31.4	6.2	16.9

<sup>1</sup> 7 weeks gestation. <sup>2</sup> 28 weeks or more gestation. <sup>3</sup> Less than 7 days. <sup>4</sup> 7-27 days. <sup>5</sup> 28 days-11 months.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

### NO. 115. INFANT DEATHS AND INFANT MORTALITY RATES BY CAUSE OF DEATH: 1980 TO 1985

[Excludes deaths of nonresidents of U.S. Deaths classified according to ninth revision of *International Classification of Diseases*. See also Appendix III]

CAUSE OF DEATH	NUMBER				PERCENT DISTRIBUTION				INFANT MORTALITY RATE <sup>1</sup>			
	1980	1983	1984	1985	1980	1983	1984	1985	1980	1983	1984	1985
Total	45,528	40,827	39,580	40,030	100.0	100.0	100.0	100.0	1,280.3	1,118.5	1,078.7	1,084.5
Congenital anomalies	9,220	8,732	8,548	8,561	20.3	21.5	21.8	21.4	255.2	240.0	233.0	227.7
Sudden infant death syndrome	5,510	5,305	5,245	5,315	12.1	13.1	13.3	13.3	152.5	145.8	142.8	141.3
Respiratory distress syndrome	4,989	3,882	3,557	3,891	11.0	9.1	9.0	9.2	138.1	101.2	98.9	98.2
Disorders relating to short gestation and unspecified low birthweight	3,848	3,332	3,282	3,257	8.0	8.2	8.2	8.1	101.0	91.8	88.9	88.6
Newborn affected by maternal complications of pregnancy	1,572	1,452	1,406	1,336	3.5	3.6	3.6	3.3	43.5	39.9	38.3	35.5
Intrauterine hypoxia and birth asphyxia	1,497	1,199	1,170	1,158	3.3	3.0	3.0	2.9	41.4	32.9	31.9	30.8
Infections specific to the prenatal period	971	870	889	955	2.1	2.1	2.2	2.4	26.9	23.9	24.2	25.4
Newborn affected by complications of placenta, cord, and membranes	985	899	887	891	2.2	2.1	2.2	2.2	27.9	23.9	24.2	23.7
Accidents and adverse effects	1,166	966	838	890	2.6	2.4	2.1	2.2	32.3	26.3	22.6	23.7
Pneumonia and influenza	1,012	789	685	705	2.2	1.9	1.7	1.8	28.0	21.1	18.7	18.7
All other causes	14,956	13,481	13,093	13,272	32.9	33.1	33.1	33.2	414.1	389.9	356.8	362.9

<sup>1</sup> Deaths of infants under 1 year old per 100,000 live births.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

### NO. 116. INFANT MORTALITY RATES, BY RACE—STATES: 1980 AND 1985

[Deaths per 1,000 live births, by place of residence. Represents deaths of infants under 1 year old, exclusive of fetal deaths. Excludes deaths of nonresidents of the United States. See Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 143-147, for U.S. total by race]

DIVISION AND STATE	TOTAL <sup>1</sup>		WHITE		BLACK		DIVISION AND STATE	TOTAL <sup>1</sup>		WHITE		BLACK	
	1980	1985	1980	1985	1980	1985		1980	1985	1980	1985	1980	1985
U.S.	12.6	10.8	11.0	9.5	21.4	18.2	So. Atl.—Con.						
M. Eng.	10.5	9.2	10.1	8.5	17.7	15.1	VA	13.6	11.5	11.9	9.3	19.6	18.2
ME	9.2	9.1	9.4	9.2	—	12.0	WV	11.8	10.7	11.4	10.4	21.5	20.6
NH	8.9	9.3	8.9	9.2	22.5	29.9	NC	14.5	11.8	12.1	9.4	20.0	17.9
VT	10.7	8.5	10.7	8.5	—	—	SC	15.6	14.2	10.8	9.6	22.9	21.9
MA	10.5	9.1	10.1	8.2	16.8	20.8	GA	14.5	12.7	10.8	9.5	21.0	19.0
RI	11.0	8.2	10.9	8.1	17.4	10.7	FL	14.6	11.3	11.8	9.2	22.8	17.9
CT	11.2	10.0	10.2	8.5	19.1	20.9	E. So. Cent.						
Mid. Atl.	12.8	10.8	11.1	9.3	21.1	17.8	KY	14.5	12.1	11.8	9.7	21.8	18.7
NY	12.5	10.8	10.8	9.4	20.0	16.1	TN	12.9	11.2	12.0	10.3	22.0	20.1
NJ	12.5	10.6	10.3	8.8	21.9	18.6	AL	19.5	11.4	11.9	8.9	19.3	20.3
PA	13.2	11.0	11.9	9.5	23.1	20.4	MS	15.1	12.6	11.6	10.4	21.6	17.1
E. No. Cent.	13.8	10.9	10.9	9.3	24.4	20.2	W. So. Cent.						
OH	12.8	10.3	11.2	9.3	23.0	16.9	AR	12.7	10.4	11.1	9.3	19.8	18.1
IN	11.9	10.9	10.5	10.0	23.4	19.5	LA	12.7	11.5	10.3	10.9	20.0	14.1
IL	14.0	11.7	11.7	9.3	26.3	21.4	OK	14.3	11.9	10.5	8.6	20.8	17.1
MI	12.8	11.4	10.6	9.3	24.2	22.4	TX	12.7	10.9	12.1	10.8	21.8	18.1
WI	10.3	9.1	9.7	8.5	16.5	17.4	MT	12.2	9.8	11.2	9.0	18.8	15.1
W. No. Cent.	11.3	9.5	10.5	9.0	21.3	16.9	Id.	11.0	9.8	10.7	9.7	18.5	19.1
MN	10.0	8.8	9.6	8.8	20.0	15.5	MT	12.4	10.3	11.8	9.8	—	13.1
IA	11.8	9.5	11.5	9.4	27.2	12.3	ID	10.7	10.4	10.7	10.5	—	—
MO	12.4	10.2	11.1	9.0	20.7	17.0	WY	9.8	12.2	9.3	12.2	25.9	19.1
ND	12.1	8.5	11.7	8.4	27.5	8.9	CO	10.1	9.4	9.8	9.1	19.1	18.1
SD	10.9	9.9	9.0	8.9	—	—	NM	11.5	10.6	11.3	10.6	23.1	14.1
NE	11.5	9.8	10.7	9.0	25.2	17.7	AZ	12.4	9.7	11.8	9.4	18.4	11.1
KS	10.4	9.3	9.5	9.0	20.6	14.4	UT	10.4	9.8	10.5	9.7	27.3	11.1
So. Atl.	14.5	12.1	11.8	9.4	21.8	19.2	NV	10.7	8.5	10.0	8.7	20.6	11.1
DE	13.9	14.8	9.8	11.6	27.9	25.6	Pac.						
MD	14.0	11.9	11.6	9.1	20.4	18.9	WA	11.2	9.7	10.9	9.4	17.8	9.1
DC	25.0	20.8	17.8	10.8	26.7	23.7	OR	11.8	10.7	11.5	10.9	18.4	11.1
							CA	12.2	9.9	12.2	9.7	15.9	11.1
							AK	11.1	9.5	10.6	9.2	18.0	11.1
							HI	12.3	10.8	9.4	9.8	19.5	11.1
								10.3	8.8	11.6	7.5	11.8	11.1

— Represents zero. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Based on a frequency of less than 20 deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

## 117. DEATH RATES, 1960 TO 1965, AND DEATHS, 1970 TO 1985, FROM SELECTED CAUSES

1970, excludes deaths of nonresidents of the U.S. For explanation of age-adjustment, see text, section 2. The standard for this table is the total population of the United States enumerated in 1940. Beginning 1970, deaths classified by the ninth revision of *International Classification of Diseases*; for earlier years, classified according to revision in use at the time. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B149-166.]

NAME OF DEATH	CRUDE DEATH RATE PER 100,000 POPULATION <sup>1</sup>					AGE-ADJUSTED DEATH RATES PER 100,000 POPULATION <sup>1</sup>			DEATHS (1,000)		
	1960	1970	1980	1984	1985	1970	1980	1985	1970	1980	1985
<b>All</b>	<b>964.7</b>	<b>945.3</b>	<b>878.3</b>	<b>882.3</b>	<b>873.8</b>	<b>714.3</b>	<b>585.8</b>	<b>546.1</b>	<b>1,921.0</b>	<b>1,908.8</b>	<b>2,086.4</b>
<b>infectious diseases</b>	<b>515.1</b>	<b>486.0</b>	<b>436.4</b>	<b>411.8</b>	<b>409.8</b>	<b>340.1</b>	<b>258.0</b>	<b>224.0</b>	<b>1,008.0</b>	<b>908.5</b>	<b>977.9</b>
of heart	388.0	362.0	336.0	323.5	323.0	263.6	202.0	180.5	735.5	781.1	771.2
rest of total	38.7	39.3	38.3	37.5	37.0	35.5	34.5	33.1	38.3	38.2	37.0
diphtheria and rheumatic											
fever	10.3	7.3	3.5	2.9	2.8	8.3	2.8	1.9	14.9	7.8	6.6
disease	37.0	7.4	10.9	10.0	9.9	4.9	6.8	5.9	15.0	24.8	23.7
infective heart disease	298.9	326.1	249.7	228.8	224.8	226.1	149.8	125.5	886.7	965.8	536.8
disease of endocardium	24.9	3.3	3.2	3.7	4.0	2.3	2.0	2.2	6.7	7.2	9.5
of form of heart disease		15.9	68.7	78.1	81.5	12.0	40.8	45.1	32.3	155.5	194.6
disease	7.1	4.1	3.5	3.3	3.2	2.9	2.0	1.8	8.3	7.8	7.8
disease	108.0	101.9	75.1	65.3	64.1	66.3	40.8	32.3	207.2	170.2	153.1
disease	20.0	15.6	13.0	10.3	10.0	8.4	5.7	4.0	31.7	29.4	23.9
disease	11.0	12.5	8.8	9.2	9.2	8.6	5.5	5.4	25.3	20.0	22.0
<b>Malignant neoplasms</b>	<b>149.2</b>	<b>162.6</b>	<b>183.9</b>	<b>191.8</b>	<b>193.3</b>	<b>129.9</b>	<b>132.8</b>	<b>133.6</b>	<b>330.7</b>	<b>416.5</b>	<b>461.6</b>
of total	15.6	17.2	20.9	22.2	22.1	18.2	22.7	24.5	17.2	20.9	22.1
of stomach and intrathoracic	22.2	34.2	47.9	52.3	53.3	26.4	36.4	38.8	69.5	108.5	127.3
of other organs and	50.8	46.6	48.8	49.3	48.8	35.2	33.0	31.8	84.7	110.8	116.8
of stomach	21.8	20.3	20.5	20.7	20.8	15.6	13.6	13.0	41.2	46.4	49.7
of other organs	13.4	14.7	15.8	16.8	16.9	12.6	12.5	12.7	29.9	35.9	35.9
of other organs	7.1	7.8	7.9	7.9	7.9	5.7	5.2	5.0	15.5	17.6	16.9
of other organs	7.1	7.1	7.3	7.2	7.3	5.8	5.4	5.0	14.5	16.5	17.3
<b>Noninfectious diseases</b>	<b>52.3</b>	<b>56.4</b>	<b>48.7</b>	<b>39.3</b>	<b>39.1</b>	<b>53.7</b>	<b>42.3</b>	<b>34.7</b>	<b>114.6</b>	<b>105.7</b>	<b>93.5</b>
of total	21.3	26.9	23.5	19.6	19.2	27.4	22.9	18.8	54.6	53.2	45.9
of total	31.0	29.5	23.3	19.7	19.9	26.3	19.5	16.0	60.0	52.5	47.6
<b>Structural pulmonary disease and allied conditions</b>	<b>9.9</b>	<b>15.2</b>	<b>24.7</b>	<b>29.2</b>	<b>31.3</b>	<b>11.6</b>	<b>15.9</b>	<b>18.7</b>	<b>30.9</b>	<b>50.1</b>	<b>74.7</b>
of total	1.8	2.9	1.6	1.5	1.5	2.1	1.0	.8	5.8	3.7	3.6
of total	5.2	11.2	9.1	6.6	5.9	8.4	4.0	3.7	22.7	13.9	14.2
of total	3.0	1.1	1.3	1.5	1.6	1.0	1.0	1.2	2.3	2.9	3.9
of total	(*)	(*)	16.7	20.6	22.2	(*)	9.9	12.9	(*)	35.6	53.0
<b>Respiratory and influenza</b>	<b>* 37.3</b>	<b>30.9</b>	<b>24.1</b>	<b>24.8</b>	<b>28.3</b>	<b>22.1</b>	<b>12.8</b>	<b>13.4</b>	<b>62.7</b>	<b>54.8</b>	<b>67.8</b>
of total	* 32.9	29.0	22.9	24.4	27.5	20.8	12.4	13.0	59.0	51.9	65.6
of total	4.4	1.9	1.2	.5	.8	1.3	.5	.3	3.7	2.7	2.1
<b>Chronic diseases</b>	<b>16.7</b>	<b>16.9</b>	<b>15.4</b>	<b>15.1</b>	<b>15.5</b>	<b>14.1</b>	<b>10.1</b>	<b>9.6</b>	<b>38.9</b>	<b>34.9</b>	<b>37.0</b>
of total	10.8	11.6	11.9	12.4	12.3	11.8	11.4	11.5	23.5	26.9	29.5
of total	11.3	15.5	13.5	11.6	11.2	14.7	12.2	9.6	31.4	30.6	28.6
of total	7.6	4.4	7.4	8.5	8.9	3.5	4.5	4.9	8.9	16.8	21.3
of total	4.7	8.3	10.7	8.4	8.3	9.1	10.8	8.3	16.8	24.3	19.9
<b>Conditions originating in the peritoneum</b>	<b>37.4</b>	<b>21.3</b>	<b>10.1</b>	<b>8.0</b>	<b>8.1</b>	<b>(x)</b>	<b>(x)</b>	<b>(x)</b>	<b>43.2</b>	<b>22.9</b>	<b>19.2</b>
of total	1.1	1.7	4.2	6.4	7.2	1.4	2.6	4.1	3.5	8.4	17.2
of total	12.2	8.3	6.2	5.5	5.4	(x)	(x)	(x)	18.8	13.9	12.8
of total	4.3	3.4	2.2	2.9	3.4	2.6	1.8	2.8	6.9	5.1	8.1
of total	2.7	2.4	2.7	2.7	2.8	2.0	2.0	1.9	4.8	6.2	8.7
of total	6.3	4.2	2.7	2.6	2.6	3.2	1.7	1.6	8.6	6.1	8.6
<b>Abdominal cavity and obstruction</b>	<b>5.1</b>	<b>3.6</b>	<b>2.4</b>	<b>2.2</b>	<b>2.2</b>	<b>2.6</b>	<b>1.4</b>	<b>1.1</b>	<b>7.2</b>	<b>5.4</b>	<b>5.4</b>
of total	1.8	1.7	1.4	1.5	1.5	1.3	.9	.9	3.4	3.2	3.7
<b>Diabetes and other disorders of metabolism</b>	<b>2.6</b>	<b>2.0</b>	<b>1.5</b>	<b>1.3</b>	<b>1.2</b>	<b>1.3</b>	<b>.8</b>	<b>.6</b>	<b>4.0</b>	<b>3.3</b>	<b>3.0</b>
of total	(*)	1.2	1.0	1.1	1.2	.8	.5	.5	2.5	2.4	2.9
of total	4.3	4.0	1.2	.9	.6	2.6	.7	.4	6.2	2.7	2.0
of total	6.1	2.6	.9	.7	.7	2.2	.8	.5	5.2	2.0	1.6
of total	1.3	.8	.6	.5	.5	.8	.6	.4	1.7	1.4	1.2
of total	.5	.5	.4	.4	.4	.5	.3	.3	1.0	.8	.9
of total	2.5	1.1	.3	.2	.2	.6	.2	.1	2.2	.8	.8
of total	.7	.6	.3	.2	.3	.5	.2	.1	1.3	.6	.6
<b>Signs, and ill-defined</b>	<b>11.4</b>	<b>12.7</b>	<b>12.7</b>	<b>12.6</b>	<b>13.0</b>	<b>10.4</b>	<b>9.8</b>	<b>9.3</b>	<b>25.8</b>	<b>28.8</b>	<b>31.0</b>
of total	39.7	53.5	53.0	54.4	54.4	44.0	36.6	40.2	106.8	120.0	153.0

applicable.  
 on resident population enumerated as of Apr. 1 for 1960, 1970, and 1980 and estimated as of July 1 for other years.  
 \* without renal disease. \* includes other types of malignancies not shown separately. \* Prior to 1980, data are  
 bronchitis, emphysema, and asthma. \* included in "all other causes." Comparable data not available separately.  
 in pneumonia of newborn. \* includes neoplasms of unspecified nature; beginning 1980 also includes carcinoma in  
 without mention of hernia.

U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

## NO. 118. DEATH RATES BY SELECTED CAUSES AND SELECTED CHARACTERISTICS: 1960 TO 1985

(Deaths per 100,000 population in specified group. See headnote, table 117)

YEAR AND CHARACTERISTIC	Total <sup>1</sup>	Diseases of heart	Malignant neoplasms	Accidents and adverse effects	Cerebrovascular diseases	Chronic obstructive pulmonary diseases <sup>2</sup>	Pneumonia, flu	Suicide	Chronic liver disease, cirrhosis	Diabetes mellitus
<b>ALL RACES<sup>3</sup></b>										
<b>Both sexes:</b>										
1960, age-adjusted	760.9	286.2	125.8	40.9	79.7	(*)	26.0	10.8	10.5	13
1970, age-adjusted	714.3	253.6	129.9	53.7	68.3	(*)	22.1	11.8	14.7	14
1980, age-adjusted	585.8	202.0	132.8	42.3	40.8	15.9	12.9	11.4	12.2	10
1984, age-adjusted	545.9	183.8	132.5	35.0	33.4	17.7	12.2	11.8	10.0	9
1985, age-adjusted <sup>4</sup>	546.1	180.5	133.6	34.7	32.3	18.7	13.4	11.5	9.8	9
15-24 years old	95.9	2.8	5.4	48.4	.8	.5	.6	12.8	.2	
25-34 years old	123.4	8.2	13.1	37.8	2.1	.6	1.5	16.2	3.0	1
35-44 years old	207.2	39.0	45.7	31.6	7.2	1.6	3.3	14.8	9.8	3
45-54 years old	518.3	152.9	199.1	31.3	21.1	10.2	7.2	15.8	22.0	8
55-64 years old	1,282.7	439.1	450.6	36.6	64.3	47.5	18.5	16.7	33.8	28
65-74 years old	2,838.8	1,080.8	838.3	60.5	171.3	147.9	57.8	18.5	39.5	59
75-84 years old	6,445.1	2,712.8	1,281.0	107.7	605.8	291.6	241.3	24.1	32.6	128
85 years old and over	15,480.3	7,275.0	1,591.5	254.3	1,837.5	380.0	1,023.5	19.1	19.8	214
<b>Male:</b>										
1960, age-adjusted	849.3	375.5	143.0	73.0	85.4	(*)	26.0	16.8	14.5	12
1970, age-adjusted	831.6	348.5	157.4	80.7	73.2	(*)	28.8	17.3	20.2	13
1980, age-adjusted	777.2	280.4	165.5	64.0	44.6	26.1	17.4	16.0	17.1	10
1984, age-adjusted	718.7	252.2	164.8	52.3	36.4	27.0	16.7	16.7	14.1	9
1985, age-adjusted <sup>4</sup>	719.8	247.7	164.5	51.8	35.2	27.9	16.2	16.8	13.6	9
15-24 years old	141.1	3.5	6.5	74.1	.8	.5	.8	21.4	.2	
25-34 years old	178.0	11.5	13.0	60.6	2.2	.8	1.6	24.5	3.9	1
35-44 years old	278.3	58.4	42.3	49.2	7.4	1.6	4.3	22.3	14.1	4
45-54 years old	689.0	236.9	174.5	47.4	23.1	11.2	9.5	23.5	31.1	8
55-64 years old	1,692.6	651.9	531.1	54.5	62.8	60.1	25.6	26.8	45.6	28
65-74 years old	3,787.7	1,508.4	1,085.8	67.9	197.8	215.0	81.9	33.3	52.6	60
75-84 years old	8,504.2	3,498.0	1,840.2	149.3	681.4	505.4	338.2	53.1	45.5	128
85 years old and over	18,325.1	8,123.7	2,413.7	356.7	1,703.2	746.3	1,399.2	55.4	28.7	208
<b>Female:</b>										
1960, age-adjusted	590.6	205.7	111.2	28.8	74.7	(*)	21.6	5.0	6.9	16
1970, age-adjusted	532.5	175.2	108.8	26.2	60.8	(*)	16.7	6.6	9.8	14
1980, age-adjusted	432.6	140.3	109.2	21.8	37.6	8.9	9.8	5.4	7.9	10
1984, age-adjusted	409.6	129.3	111.1	18.7	31.1	11.4	9.1	5.2	6.4	9
1985, age-adjusted <sup>4</sup>	409.4	127.3	111.4	18.6	30.0	12.5	10.1	4.9	6.1	9
15-24 years old	49.9	2.1	4.3	22.3	.8	.5	.5	4.4	.1	
25-34 years old	68.9	5.0	13.1	14.9	2.1	.6	1.1	5.8	2.0	1
35-44 years old	139.3	18.3	49.1	14.8	6.9	1.5	2.3	7.1	5.6	3
45-54 years old	372.5	73.8	164.0	16.1	19.3	9.1	5.0	8.3	13.4	7
55-64 years old	919.0	250.3	379.1	20.8	46.8	36.3	12.2	7.7	20.7	25
65-74 years old	2,064.7	745.3	844.6	36.8	150.5	95.4	39.9	6.8	25.8	59
75-84 years old	5,219.9	2,245.2	948.3	82.9	572.7	164.5	183.6	6.8	25.0	127
85 years old and over	14,343.2	6,936.7	1,262.9	212.8	1,891.2	206.8	697.3	4.6	18.3	219
<b>WHITE</b>										
<b>Both sexes:</b>										
1960, age-adjusted	727.0	291.5	124.2	47.8	74.2	(*)	24.8	11.1	10.3	12
1970, age-adjusted	679.6	249.1	127.8	51.0	61.8	(*)	18.8	12.4	13.4	12
1980, age-adjusted	559.4	197.6	129.6	41.5	38.0	16.3	12.2	12.1	11.0	9
1984, age-adjusted	523.6	179.5	130.2	34.6	31.1	18.2	11.6	12.4	9.3	8
1985, age-adjusted	523.1	178.1	130.7	34.1	30.1	19.2	12.6	12.3	8.9	8
<b>Male:</b>										
1960, age-adjusted	917.7	375.4	141.6	70.8	80.3	(*)	31.0	17.5	14.4	11
1970, age-adjusted	893.4	347.6	154.3	78.2	68.3	(*)	26.0	16.2	18.8	13
1980, age-adjusted	745.3	277.5	160.5	62.3	41.8	26.7	16.2	16.8	15.7	10
1984, age-adjusted	689.9	249.5	159.0	51.3	33.9	27.8	15.8	19.7	18.2	9
1985, age-adjusted	688.7	244.5	159.2	50.4	32.8	28.5	17.4	19.8	12.6	9
<b>Female:</b>										
1960, age-adjusted	555.0	197.1	109.5	25.4	68.7	(*)	19.0	5.3	6.6	15
1970, age-adjusted	501.7	167.8	107.8	27.2	56.2	(*)	15.0	7.2	8.7	13
1980, age-adjusted	411.1	134.8	107.7	21.4	35.2	9.2	9.4	5.7	7.0	9
1984, age-adjusted	391.3	124.0	109.9	18.5	28.9	11.8	8.6	6.6	6.9	8
1985, age-adjusted	390.6	121.7	110.3	18.4	27.8	12.9	9.8	6.3	6.8	8
<b>BLACK</b>										
<b>Both sexes:</b>										
1960, age-adjusted	1,073.3	334.5	142.3	66.4	140.2	(*)	56.4	4.7	11.7	26
1970, age-adjusted	1,044.0	307.6	158.7	74.4	114.5	(*)	40.4	6.1	24.8	29
1980, age-adjusted	842.5	255.7	172.1	51.2	68.5	12.5	19.2	6.4	21.8	20
1984, age-adjusted	771.9	235.8	174.8	40.6	56.7	14.2	17.2	6.4	15.8	17
1985, age-adjusted	779.8	238.2	173.0	41.8	55.0	15.0	18.5	6.4	16.1	17
<b>Male:</b>										
1960, age-adjusted	1,246.1	381.2	156.5	100.0	141.2	(*)	70.2	7.8	14.8	31
1970, age-adjusted	1,318.8	375.9	196.0	119.5	122.5	(*)	53.8	9.9	33.1	37
1980, age-adjusted	1,112.8	327.3	229.9	82.0	77.5	20.9	28.0	11.1	30.6	27
1984, age-adjusted	1,011.7	300.1	234.9	64.7	62.8	22.6	25.2	11.2	22.5	24
1985, age-adjusted	1,024.0	301.0	231.6	66.7	60.8	23.9	26.8	11.3	23.4	24
<b>Female:</b>										
1960, age-adjusted	916.9	292.6	127.8	35.9	139.5	(*)	43.9	1.9	6.9	20
1970, age-adjusted	814.4	251.7	123.5	35.3	107.9	(*)	29.2	2.9	17.8	23
1980, age-adjusted	631.1	201.1	129.7	25.1	61.7	8.3	12.7	2.4	14.4	17
1984, age-adjusted	585.3	186.6	131.0	20.1	51.9	8.1	11.3	2.3	10.9	15
1985, age-adjusted	589.1	186.8	130.4	20.7	50.3	8.7	12.4	2.1	10.1	15

<sup>1</sup> Includes other causes, not shown separately.<sup>2</sup> Includes allied conditions.<sup>3</sup> Includes other races, not shown separately.<sup>4</sup> Data not available on a comparable basis with later years.<sup>5</sup> Includes persons under 15 years old, not shown separately.Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

## NO. 119. DEATH RATES, BY CAUSE—STATES: 1965

per 100,000 resident population estimated as of July 1. By place of residence. Excludes nonresidents of U.S. Causes classified according to ninth revision of *International Classification of Diseases*. For composition of regions, see fig. 1, front cover]

DIVISION, STATE	Total <sup>1</sup>	Diseases of heart	Malignant neoplasms	Cerebro- vascular diseases	Acci- dents and ad- verse effects	Chronic obstruc- tive pulmo- nary diseases <sup>2</sup>	Pneu- monia, flu	Diabetes melli- tus	Sui- cide	Chronic liver disease and cirrhosis	Ath- ero- sclerosis	Homi- cide and legal inter- vention
U.S. ....	873.9	323.0	193.9	84.1	38.1	31.3	28.3	18.5	12.3	11.2	10.0	8.3
ALABAMA .....	973.5	387.0	222.7	82.4	31.9	31.2	31.8	16.7	9.1	13.8	9.9	6.4
ALASKA .....	888.3	343.3	188.1	88.2	35.3	31.8	29.6	16.4	11.9	9.7	12.2	6.6
ARIZONA .....	871.2	311.8	188.6	87.9	45.0	29.8	25.6	14.9	13.1	9.8	9.1	10.6
ARKANSAS .....	744.9	260.8	164.9	54.4	41.8	33.4	28.0	12.0	16.0	12.7	9.1	6.6
CALIFORNIA .....	932.1	351.8	238.3	83.3	32.8	33.1	33.5	16.8	10.2	11.5	11.2	3.6
COLORADO .....	979.4	369.2	222.3	87.4	37.4	44.9	30.0	16.4	14.2	11.5	16.8	2.7
CONNECTICUT .....	849.1	304.4	210.7	59.6	35.4	36.1	25.1	19.6	13.6	8.8	10.7	1.7
DELAWARE .....	871.4	325.2	189.2	82.6	39.3	42.8	26.0	14.4	14.2	10.8	10.1	3.6
FLORIDA .....	955.4	380.8	224.4	85.0	31.9	32.0	38.3	16.0	9.1	13.0	10.3	3.6
GEORGIA .....	987.8	382.5	242.5	85.9	27.7	36.4	28.0	23.3	10.0	11.1	14.6	4.0
HAWAII .....	888.4	338.7	215.4	58.9	31.2	27.0	31.6	15.3	9.0	9.9	10.0	4.0
ILLINOIS .....	987.6	396.1	233.4	82.1	31.8	30.8	31.8	19.4	8.7	14.8	8.3	7.3
INDIANA .....	908.9	403.0	213.8	58.2	30.1	28.7	33.9	17.8	6.8	17.0	8.8	9.6
IOWA .....	940.7	388.8	225.6	58.9	30.0	29.0	28.0	18.9	7.8	15.2	9.0	5.5
KANSAS .....	1,043.9	412.5	236.2	89.3	35.1	34.3	28.4	22.0	12.1	10.5	10.4	5.0
KENTUCKY .....	887.5	344.0	198.4	65.4	33.7	30.8	27.0	16.9	11.8	10.6	11.6	7.8
LOUISIANA .....	920.6	355.9	208.0	65.9	32.5	33.7	27.2	19.7	11.8	9.1	11.1	5.1
MAINE .....	876.3	323.2	197.4	75.2	38.7	33.8	23.5	16.6	11.8	9.1	13.1	6.0
MARYLAND .....	886.5	351.0	198.0	82.1	32.7	28.6	29.0	15.1	11.1	10.9	9.5	9.0
MASSACHUSETTS .....	886.2	337.3	190.4	60.9	35.4	30.5	24.5	16.3	12.0	13.9	12.9	11.7
MICHIGAN .....	888.8	337.3	194.5	60.6	32.3	27.2	30.2	15.9	12.6	9.0	12.3	3.4
MINNESOTA .....	833.8	341.6	197.4	74.7	38.8	34.4	35.9	16.3	12.0	7.8	14.1	4.4
MISSISSIPPI .....	830.2	290.1	180.4	75.2	36.9	28.5	33.7	13.4	10.9	7.9	12.9	2.1
MISSOURI .....	986.1	370.6	212.6	80.0	38.3	35.3	40.3	15.9	11.6	7.5	18.2	2.9
MONTANA .....	1,000.4	367.8	214.1	78.2	40.0	38.2	34.5	15.6	13.3	7.8	12.0	8.6
NEBRASKA .....	821.6	314.5	177.5	67.2	33.1	26.8	31.4	16.8	12.3	7.2	15.9	1.8
NEVADA .....	932.6	384.5	192.5	74.0	46.3	33.2	40.8	14.4	11.4	8.6	13.8	3.0
NEW HAMPSHIRE .....	928.5	347.7	193.6	71.5	38.7	37.4	41.9	14.8	11.1	7.3	16.4	2.9
NEW JERSEY .....	900.3	338.5	184.0	68.9	41.3	34.7	32.9	16.9	11.8	6.9	13.8	4.6
NEW MEXICO .....	904.3	324.9	203.0	68.8	33.3	31.4	26.7	15.5	13.3	11.4	8.7	19.8
NEW YORK .....	980.2	331.2	209.5	48.6	35.0	30.9	19.6	24.1	9.5	10.3	8.7	5.5
NORTH CAROLINA .....	833.6	298.7	199.5	51.8	35.7	26.8	21.7	15.6	11.3	9.7	8.6	6.4
NORTH DAKOTA .....	1,120.5	340.3	255.7	70.8	38.3	22.2	37.1	18.8	6.3	25.7	10.1	23.4
OHIO .....	794.1	281.4	183.5	61.6	38.2	27.1	25.4	11.0	13.2	9.6	8.3	7.5
OKLAHOMA .....	1,003.8	401.3	213.8	70.4	48.3	42.1	30.9	16.1	13.1	10.1	9.9	4.5
OREGON .....	846.3	304.5	178.3	73.9	47.3	26.6	28.2	13.9	12.5	9.1	8.4	9.1
PENNSYLVANIA .....	912.8	285.6	189.3	73.0	49.9	23.7	23.7	15.2	11.8	9.7	8.7	9.7
RHODE ISLAND .....	814.3	277.1	166.0	71.1	47.5	28.1	26.1	14.2	12.3	10.1	7.5	11.9
SOUTH CAROLINA .....	1,065.6	390.7	251.1	78.0	45.0	40.5	25.3	16.2	16.2	15.0	10.9	11.9
SOUTH DAKOTA .....	927.7	351.1	194.2	76.3	47.9	33.3	28.1	16.1	11.7	8.8	8.6	8.6
TENNESSEE .....	935.0	360.3	201.0	71.9	42.8	36.8	33.7	16.5	12.9	9.1	9.0	8.8
TEXAS .....	908.9	331.0	193.1	75.0	46.3	33.1	30.7	12.9	12.4	8.1	8.2	9.1
UTAH .....	934.9	325.6	196.0	81.8	49.1	32.9	25.1	17.5	10.7	9.6	11.4	11.3
Vermont .....	944.5	335.7	180.9	76.2	55.6	28.5	25.5	16.4	10.4	6.2	8.6	11.5
VIRGINIA .....	796.6	277.9	183.5	60.3	45.0	34.8	23.4	13.3	13.8	8.1	9.3	12.1
WASHINGTON .....	1,022.8	383.1	212.7	87.8	50.8	32.7	31.9	14.6	13.4	6.7	10.5	9.0
WEST VIRGINIA .....	825.4	293.8	183.5	59.0	46.2	23.4	19.8	18.7	13.1	8.6	11.3	11.7
WISCONSIN .....	900.8	339.9	185.5	75.3	46.4	32.5	31.2	13.3	14.5	7.6	12.4	8.5
WYOMING .....	722.2	245.9	146.5	53.6	43.5	22.7	21.6	11.7	13.6	6.2	8.0	13.4
ALABAMA .....	987.8	222.6	141.8	44.3	46.6	36.2	23.7	12.8	17.9	10.1	6.6	6.6
ALASKA .....	815.0	288.5	174.9	62.1	50.7	41.7	28.5	15.0	17.5	10.9	13.6	5.8
ARIZONA .....	706.7	243.0	141.2	58.8	48.4	35.4	22.4	13.3	13.4	5.4	9.8	2.6
ARKANSAS .....	842.9	208.6	118.3	38.4	52.0	31.4	24.1	9.8	22.5	9.2	5.5	4.5
CALIFORNIA .....	625.7	196.4	124.4	40.1	39.4	34.9	26.7	10.5	16.0	6.6	10.8	5.9
COLORADO .....	872.8	192.8	131.7	40.5	56.9	32.9	19.4	15.6	17.5	13.8	8.3	11.0
CONNECTICUT .....	771.5	249.8	173.8	46.0	47.8	41.4	24.2	14.4	17.5	12.8	9.0	8.1
DELAWARE .....	550.1	187.4	92.6	38.3	38.8	21.2	19.5	12.5	13.1	5.5	5.0	2.6
FLORIDA .....	772.3	266.3	180.4	40.4	43.9	39.4	22.9	10.9	22.4	13.3	4.8	10.9
GEORGIA .....	785.7	261.1	173.4	68.1	40.1	32.8	26.5	11.7	14.2	13.8	8.4	8.4
HAWAII .....	782.8	267.7	180.0	60.3	37.9	35.8	27.1	14.2	14.0	10.0	9.4	5.5
ILLINOIS .....	889.7	308.6	200.6	74.3	45.8	40.8	31.6	12.0	16.6	10.4	15.8	4.5
INDIANA .....	786.0	282.0	172.8	57.5	39.5	32.5	30.4	11.4	14.3	15.0	9.1	10.8
IOWA .....	396.2	80.3	78.2	18.0	83.9	12.1	8.0	4.8	14.0	7.5	3.1	9.6
KANSAS .....	554.2	177.8	137.4	41.3	26.8	17.6	22.4	13.4	6.0	7.2	4.1	3.5

all other causes not shown separately. <sup>2</sup> Includes allied conditions.

U.S. National Center for Health Statistics, *Monthly Vital Statistics Report*, vol. 36, No. 5 and unpublished data.

## NO. 120. DEATH RATES FROM CANCER, BY SEX, AGE, AND SELECTED TYPE: 1960 TO 1965

(Deaths per 100,000 population in the specified age groups. See heading, table 121)

AGE AT DEATH AND SELECTED TYPE OF CANCER	MALE					FEMALE				
	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985
Total U.S. rate <sup>1</sup>	182.5	182.1	206.3	211.1	212.8	198.4	144.4	163.8	173.5	171.1
25-34 years	18.8	18.3	13.4	12.8	13.0	20.1	16.7	14.0	13.1	13.1
35-44 years	48.9	53.0	44.0	41.7	42.3	70.0	85.8	53.1	51.4	51.4
45-54 years	170.8	183.5	188.7	177.0	174.5	183.0	181.5	171.8	164.4	164.4
55-64 years	459.9	511.8	520.8	530.7	531.1	337.7	343.2	361.7	375.6	375.6
65 years old and over	1,066.2	1,221.2	1,371.8	1,387.2	1,369.8	709.1	706.3	767.8	806.3	806.3
85-74 years	690.5	1,008.8	1,093.2	1,088.0	1,085.8	560.2	557.9	607.1	638.1	638.1
75-84 years	1,369.4	1,588.3	1,790.5	1,826.8	1,840.2	924.1	891.9	903.1	944.2	944.2
85 years old and over	1,741.2	1,720.8	2,369.5	2,427.2	2,413.7	1,263.9	1,096.7	1,255.7	1,271.5	1,271.5
Persons, 45-54 years old:										
Respiratory, intrathoracic	54.7	72.1	79.8	73.0	70.7	10.1	22.2	34.8	35.8	35.8
Digestive organs, peritoneum	53.2	45.9	44.3	42.0	41.7	38.9	32.5	27.8	26.4	26.4
Breast	.2	.4	.2	.2	.3	51.4	52.6	48.1	45.8	45.8
Genital organs	4.0	3.4	3.4	3.0	3.1	44.8	34.4	24.1	20.8	20.8
Lymphatic and hematopoietic tissues, excl. leukemia	11.6	12.8	10.2	10.1	10.0	7.1	8.3	6.6	6.5	6.5
Urinary organs	9.3	8.0	7.4	7.8	7.8	3.5	3.8	3.3	3.0	3.0
Lip, oral cavity, and pharynx	7.9	7.9	8.2	7.2	6.8	2.8	2.8	2.6	2.2	2.2
Leukemia	7.2	8.8	8.2	5.9	5.7	6.3	4.9	4.4	4.7	4.7
Persons, 55-64 years old:										
Respiratory, intrathoracic	160.2	202.3	223.8	231.2	231.1	17.0	38.9	74.5	86.7	86.7
Digestive organs, peritoneum	153.7	139.0	129.3	129.5	129.3	102.2	86.0	79.1	77.0	77.0
Breast	1.0	.8	.7	.5	.8	70.8	77.6	80.5	82.0	82.0
Genital organs	23.5	22.8	23.5	24.5	24.3	73.0	58.2	46.8	43.3	43.3
Lymphatic and hematopoietic tissues, excl. leukemia	23.1	27.1	24.4	24.9	25.0	15.7	17.7	16.8	17.3	17.3
Urinary organs	25.9	26.4	22.9	21.8	22.2	9.4	8.9	8.9	8.4	8.4
Lip, oral cavity, and pharynx	16.3	20.1	17.9	17.0	15.8	3.8	8.2	6.0	5.8	5.8
Leukemia	16.1	15.4	14.7	14.6	14.6	10.6	9.0	9.3	9.2	9.2
Persons, 65-74 years old:										
Respiratory, intrathoracic	221.7	340.7	422.0	426.8	424.8	45.6	106.1	135.1	141.1	141.1
Digestive organs, peritoneum	334.9	293.3	284.1	275.0	272.7	218.0	165.8	173.6	167.9	167.9
Breast	1.2	1.4	1.1	1.1	1.0	90.0	93.8	101.1	106.0	106.0
Genital organs	102.1	103.7	107.8	107.2	108.3	97.9	85.6	73.8	70.7	70.7
Lymphatic and hematopoietic tissues, excl. leukemia	37.9	50.3	48.1	50.3	52.2	24.5	34.8	34.4	36.1	36.1
Urinary organs	57.2	60.3	56.9	52.1	51.1	21.8	20.1	19.7	18.7	18.7
Lip, oral cavity, and pharynx	26.5	28.8	28.4	23.8	23.7	6.7	8.8	8.8	8.4	8.4
Leukemia	34.0	35.3	35.3	33.7	34.0	20.2	19.3	18.7	19.2	19.2
Persons, 75-84 years old:										
Respiratory, intrathoracic	188.5	354.2	511.5	553.7	559.0	36.5	56.5	98.0	128.0	128.0
Digestive organs, peritoneum	559.5	507.5	496.8	484.1	476.2	422.9	353.3	328.3	317.4	317.4
Breast	1.7	2.7	2.1	1.9	2.3	129.9	127.4	126.4	136.2	136.2
Genital organs	285.9	299.4	315.4	315.8	321.4	119.1	104.9	95.7	93.8	93.8
Lymphatic and hematopoietic tissues, excl. leukemia	43.9	74.0	80.0	86.4	92.8	31.4	49.4	57.8	63.7	63.7
Urinary organs	98.6	112.2	112.4	107.3	106.2	45.5	44.0	37.4	36.4	36.4
Lip, oral cavity, and pharynx	40.5	36.6	31.4	28.1	27.8	11.8	10.8	10.9	10.2	10.2
Leukemia	56.5	68.3	71.5	68.8	70.1	35.5	39.8	38.5	36.2	36.2
Persons, 85 years old and over:										
Respiratory, intrathoracic	132.2	215.3	388.3	442.8	450.2	45.2	58.5	96.3	101.0	101.0
Digestive organs, peritoneum	676.6	583.7	705.8	679.1	656.8	601.4	485.0	504.3	500.8	500.8
Breast	2.5	2.9	2.6	3.0	3.9	181.9	157.1	169.3	180.0	180.0
Genital organs	488.2	434.2	612.3	642.8	605.0	131.4	107.3	115.8	107.0	107.0
Lymphatic and hematopoietic tissues, excl. leukemia	40.8	58.1	83.2	102.5	113.1	25.2	41.7	63.0	63.8	63.8
Urinary organs	120.4	140.5	177.0	182.5	182.7	66.3	59.9	63.6	63.8	63.8
Lip, oral cavity, and pharynx	80.7	47.0	40.2	35.9	32.2	16.2	19.2	16.0	15.5	15.5
Leukemia	84.9	83.3	117.1	109.1	113.1	35.6	50.9	61.1	62.3	62.3

<sup>1</sup>Includes persons under 25 years of age and malignant neoplasms of other and unspecified sites, not shown separately.Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.



## NO. 121. DEATH RATES FROM HEART DISEASE, BY SEX, AGE, AND SELECTED TYPE: 1960 TO 1965

(Deaths per 100,000 population in specified age groups. Beginning 1970, excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix III)

AGE AT DEATH AND SELECTED TYPE OF HEART DISEASE	MALE					FEMALE				
	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985
Total U.S. rate <sup>1</sup>	438.6	432.6	388.6	346.2	342.8	388.6	304.6	286.1	203.0	204.3
25-34 years	20.1	15.2	11.4	11.3	11.5	11.3	7.7	5.3	4.6	5.0
35-44 years	112.7	103.2	88.7	69.7	68.4	38.2	32.2	21.4	18.3	18.3
45-54 years	420.4	376.4	282.6	243.2	236.9	127.5	109.9	84.6	75.1	73.8
55-64 years	1,096.9	987.2	746.8	670.7	651.9	429.4	351.6	272.1	256.4	250.3
65 years old and over	3,314.7	3,256.0	2,778.6	2,546.9	2,519.3	2,415.6	2,288.2	2,027.5	1,842.4	1,886.0
65-74 years	2,291.3	2,170.3	1,728.0	1,537.2	1,508.4	1,281.3	1,082.7	828.8	784.3	746.3
75-84 years	4,742.4	4,534.8	3,834.3	3,535.2	3,496.0	3,582.7	3,120.8	2,487.0	2,283.2	2,245.2
85 years old and over	9,788.9	8,426.2	6,752.7	6,154.8	6,123.7	9,016.6	7,591.8	7,380.8	6,866.9	6,836.7
Persons 45-54 years old:										
Ischemic heart	347.1	338.0	217.3	178.0	169.9	72.4	64.0	52.2	44.9	43.3
Rheumatic heart	19.9	11.4	3.1	2.0	1.9	19.5	10.8	4.9	2.7	2.7
Hypertensive heart <sup>2</sup>	23.9	4.6	6.3	8.4	8.4	21.5	4.0	5.4	4.5	4.6
Persons 55-64 years old:										
Ischemic heart	685.2	604.6	581.1	486.9	474.6	295.6	299.1	169.0	170.4	163.3
Rheumatic heart	29.0	21.5	6.2	4.9	4.2	28.4	20.8	9.2	6.8	6.3
Hypertensive heart <sup>2</sup>	71.2	11.7	21.8	19.7	19.6	63.9	9.1	13.3	11.6	12.2
Persons 65-74 years old:										
Ischemic heart	1,863.2	2,010.0	1,365.5	1,145.3	1,110.8	914.8	976.0	605.3	536.8	514.1
Rheumatic heart	31.0	31.9	11.8	8.3	8.6	31.2	30.2	18.6	14.8	13.3
Hypertensive heart <sup>2</sup>	174.3	30.6	44.3	39.5	38.2	175.4	24.8	36.2	31.2	29.0
Persons 75-84 years old:										
Ischemic heart	3,638.8	4,222.7	2,953.7	2,618.0	2,544.9	2,502.6	2,886.3	1,842.7	1,804.4	1,547.5
Rheumatic heart	35.2	34.9	16.7	15.5	14.7	37.9	34.3	25.4	24.4	24.1
Hypertensive heart <sup>2</sup>	401.2	60.8	90.7	79.0	79.5	488.3	83.9	101.1	82.9	80.4
Persons 85 years old and over:										
Ischemic heart	6,830.6	7,781.5	6,501.6	5,729.4	5,658.9	6,009.4	6,951.5	5,280.6	4,884.0	4,642.8
Rheumatic heart	46.1	34.7	19.5	17.9	17.7	58.0	39.2	25.8	27.7	27.2
Hypertensive heart <sup>2</sup>	658.2	182.0	180.3	154.4	150.7	1,084.8	223.5	250.8	214.1	213.9

<sup>1</sup> Includes persons under 25 years old, not shown separately.

<sup>2</sup> With or without renal disease.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

## NO. 122. DEATH RATES FROM ACCIDENTS AND VIOLENCE: 1970 TO 1985

(Rates are per 100,000 population. Excludes deaths of nonresidents of the U.S. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix III)

CAUSE OF DEATH AND AGE	WHITE						BLACK					
	Male			Female			Male			Female		
	1970	1980	1985	1970	1980	1985	1970	1980	1985	1970	1980	1985
Total <sup>1</sup>	101.9	97.1	84.1	42.4	36.3	32.8	163.2	154.6	123.2	61.7	42.6	35.8
Motor vehicle accidents	39.1	35.9	28.2	14.8	12.8	11.4	44.3	31.1	26.7	13.4	8.3	8.3
All other accidents	36.2	30.4	26.2	16.3	14.4	12.9	63.3	46.0	37.2	22.5	18.6	14.5
Suicide	18.0	19.9	21.5	7.1	5.9	5.6	8.0	10.3	10.8	2.6	2.2	2.1
Homicide	8.8	10.9	8.2	2.1	3.2	2.9	67.6	66.6	48.4	13.3	13.5	11.0
15-24 years	130.7	136.6	111.8	34.9	37.3	32.3	234.3	182.0	132.8	45.5	35.0	29.4
25-34 years	96.8	118.4	98.8	23.8	29.0	25.1	384.4	256.9	168.5	78.0	49.4	40.4
35-44 years	85.7	94.1	80.8	25.8	29.2	25.3	345.2	218.1	175.1	77.2	43.2	36.5
45-54 years	87.5	90.8	77.1	30.4	31.8	27.4	303.3	207.3	147.9	65.6	40.2	33.1
55-64 years	101.5	92.3	85.4	36.3	33.8	30.6	242.4	188.5	145.5	58.0	47.3	36.6
65 years and over	216.9	183.9	155.3	122.4	87.2	81.4	220.9	215.8	186.9	107.9	102.9	84.7
65-74 years	128.0	116.7	104.2	57.7	46.4	45.4	217.4	182.2	151.6	81.5	68.7	53.4
75-84 years	229.3	209.2	207.2	148.0	101.5	92.3	236.0	281.4	232.8	140.1	137.5	110.7
85 years old and over	466.7	436.5	427.3	391.4	268.1	223.4	271.8	379.2	344.6	214.3	235.7	197.1

<sup>1</sup> Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

## NO. 123. DEATHS AND DEATH RATES FROM ACCIDENTS, BY TYPE: 1970 TO 1985

[See headnote, table 122, and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 163-166]

TYPE OF ACCIDENT	DEATHS					RATE				
	1970	1980	1983	1984	1985	1970	1980	1983	1984	1985
Accidents and adverse effects	114,538	105,718	92,488	82,911	82,467	56.4	48.7	39.5	36.3	36
Motor-vehicle accidents	54,533	53,172	44,452	46,283	45,801	26.9	23.5	18.0	19.8	19
Traffic	53,493	51,930	43,428	45,208	44,822	26.3	22.9	18.5	19.1	18
Nontraffic	1,140	1,242	1,024	1,055	1,079	.5	.5	.4	.4	.4
Water transport accidents	1,851	1,429	1,318	1,131	1,111	.8	.5	.5	.5	.5
Air and space transport accidents	1,812	1,494	1,312	1,234	1,428	.8	.7	.6	.5	.5
Railway accidents	852	632	544	570	551	.4	.3	.2	.2	.2
Accidental falls	18,826	13,294	12,024	11,937	12,001	8.3	5.9	5.1	5.0	5
Fall from one level to another	4,798	3,743	3,372	3,299	3,365	2.4	1.7	1.4	1.4	1
Fall on the same level	828	415	432	438	411	.4	.2	.2	.2	.2
Fracture, cause unspecified, and other and unspecified falls	11,300	9,136	8,220	8,232	8,225	5.5	4.0	3.5	3.5	3
Accidental drowning	5,391	5,043	5,254	4,444	4,407	3.1	2.7	2.2	1.9	1
Accidents caused by—										
Fire and flames	5,718	5,822	5,028	5,010	4,838	3.3	2.8	2.1	2.1	2
Firearms	2,408	1,955	1,895	1,888	1,849	1.2	.9	.7	.7	.7
Electric current	1,140	1,085	872	888	802	.6	.5	.4	.4	.4
Accidental poisoning by—										
Drugs and medicines	2,505	2,482	2,888	3,288	3,812	1.2	1.1	1.2	1.4	1.4
Other solid and liquid substances	1,174	597	518	542	479	.6	.3	.2	.2	.2
Gases and vapors	1,820	1,242	1,251	1,103	1,079	.8	.5	.5	.5	.5
Complications due to medical procedures	3,581	2,437	2,880	2,828	2,852	1.8	1.1	1.1	1.1	1
Inhalation and ingestion of objects	2,753	3,249	3,387	3,541	3,551	1.4	1.4	1.4	1.5	1
All other accidents	10,878	10,785	9,311	8,886	9,095	5.2	4.7	4.0	3.7	3

## NO. 124. SUICIDE RATES, BY SEX, RACE, AND AGE GROUP: 1970 TO 1985

[See headnote, table 122]

AGE	TOTAL <sup>1</sup>			MALE						FEMALE					
	1970	1980	1985	White			Black			White			Black		
				1970	1980	1985	1970	1980	1985	1970	1980	1985	1970	1980	1985
All ages <sup>2</sup>	11.8	11.8	12.3	18.0	19.9	21.5	8.0	10.3	11.1	7.1	5.9	5.8	2.6	3.2	3
10-14 years	.6	.9	1.6	1.1	1.4	2.5	.3	.5	1.3	.3	.3	.9	.4	.1	.1
15-19 years	5.9	8.5	10.0	9.4	15.0	17.3	4.7	5.8	8.2	2.9	3.3	4.1	2.9	1.8	1.8
20-24 years	12.2	16.1	15.6	19.2	27.8	27.4	18.7	20.0	18.5	5.7	5.9	5.2	4.9	3.1	3.1
25-34 years	14.1	18.0	15.2	19.9	25.8	25.4	19.2	21.8	18.8	8.0	7.5	6.4	5.7	4.1	4.1
35-44 years	16.9	15.4	14.6	23.3	23.5	23.5	12.8	15.8	14.9	13.0	9.1	7.7	3.7	4.5	4.5
45-54 years	20.0	15.9	15.8	29.5	24.2	25.1	13.8	12.0	13.5	13.5	10.2	9.0	3.7	2.8	2.8
55-64 years	21.4	15.9	16.7	35.0	25.8	28.8	10.8	11.7	11.5	12.3	9.1	8.4	2.0	2.3	2.3
65 years and over	20.8	17.8	20.3	41.1	37.5	43.2	8.7	11.4	15.2	8.5	6.5	6.9	2.8	1.4	1.4
65-74 years	20.8	16.9	18.5	38.7	32.5	35.3	8.7	11.1	15.8	9.8	7.0	7.3	2.9	1.7	1.7
75-84 years	21.2	19.1	24.1	45.5	45.5	57.1	8.9	10.5	15.6	7.2	5.7	7.0	1.7	1.4	1.4
85 years and over	19.0	19.2	19.1	45.6	52.8	60.3	8.7	16.9	7.7	5.8	5.8	4.7	2.6	-	-

- Represents or rounds to zero.

<sup>1</sup> Includes other races not shown separately<sup>2</sup> Includes other age groups not shown separately

## NO. 125. SUICIDES, BY SEX AND METHOD USED: 1970 TO 1985

[Excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, table 2. See also *Historical Statistics, Colonial Times to 1970*, series H 979-986]

METHOD	MALE							FEMALE						
	1970	1975	1980	1982	1983	1984	1985	1970	1975	1980	1982	1983	1984	1985
Total	18,628	19,622	20,505	21,825	21,786	22,889	23,145	8,851	7,441	8,364	8,617	8,509	8,587	8,587
Firearms <sup>1</sup>	9,704	12,185	12,937	13,872	13,959	14,504	14,809	2,088	2,688	2,459	2,888	2,841	2,808	2,808
Percent of total	58.4	62.1	63.1	64.1	64.1	63.9	64.0	30.2	36.1	38.6	40.6	40.6	39.5	39.5
Poisoning <sup>2</sup>	3,299	3,297	2,997	2,927	3,148	3,203	3,319	3,285	3,126	2,456	2,432	2,486	2,406	2,406
Hanging and strangulation <sup>3</sup>	2,422	2,815	2,997	3,314	3,222	3,478	3,532	891	848	664	747	708	683	683
Other <sup>4</sup>	1,204	1,325	1,574	1,512	1,457	1,504	1,485	667	778	755	750	890	719	719

<sup>1</sup> Includes explosives through 1975.<sup>2</sup> Includes solids, liquids, and gases.<sup>3</sup> Includes suffocation.<sup>4</sup> Beginning 1980 includes explosives.Source of tables 123-125: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

## NO. 126. MARRIAGES AND DIVORCES: 1970 TO 1984

[For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 158-159 and B 214-220]

MARRIAGE AND DIVORCE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
<b>MARRIAGES</b>										
Total (1,000) <sup>1</sup>	2,188	2,183	2,178	2,382	2,331	2,380	2,422	2,458	2,446	2,477
Rate per 1,000 population <sup>2</sup>	10.8	10.0	9.9	10.3	10.4	10.8	10.8	10.8	10.5	10.5
Rate per 1,000 unmarried women; <sup>3</sup>										
15-44 years old	140.2	116.5	109.8	109.1	107.9	102.8	103.1	101.9	99.3	99.0
15 years old and over	76.5	66.8	63.8	64.1	63.6	61.4	61.7	61.4	59.9	59.6
First marriage of bride <sup>4</sup> (1,000)	1,252	1,191	1,147	1,174	1,214	1,221	1,219	1,240	1,216	1,225
Rate per 1,000 single women; <sup>5</sup>										
15 years old and over	82.9	68.1	62.7	62.1	62.1	60.0	64.9	66.0	63.8	63.5
18-19 years old	151.4	115.0	98.8	95.8	91.7	87.3	80.7	78.5	72.6	72.1
20-24 years old	220.1	143.8	125.6	123.0	121.9	119.8	110.0	111.9	108.9	104.4
25-44 years old	82.5	81.7	78.8	77.1	76.8	74.9	79.3	80.7	79.2	80.5
45-64 years old	8.8	9.2	8.6	7.9	7.8	7.0	7.9	8.6	8.4	8.3
65 years old and over	1.1	1.2	1.0	1.0	.9	.9	.9	.9	.9	.8
Median age at first marriage: <sup>6</sup>										
Male (years)	22.5	22.7	23.0	23.2	23.4	23.6	23.9	24.1	24.4	24.6
Female (years)	20.6	20.8	21.1	21.4	21.6	21.8	22.0	22.3	22.5	22.8
Remarriages of bride <sup>7</sup> (1,000)	983	510	532	548	582	591	618	629	629	635
Rate per 1,000 widowed and divorced: <sup>8</sup>										
15 years old and over	36.6	40.1	40.0	40.0	40.8	38.3	39.9	39.2	38.4	37.8
15-24 years old	317.8	319.8	323.5	321.5	312.8	231.0	280.0	267.7	268.1	249.2
25-44 years old	142.3	144.5	129.0	128.8	127.5	117.3	119.7	119.5	117.4	114.4
45-64 years old	24.8	23.5	22.1	21.8	21.7	19.7	19.9	20.8	20.9	20.5
65 years old and over	2.5	2.5	2.4	2.1	3.0	2.3	2.3	2.2	2.2	2.2
Remarriages of divorced women (1,000) <sup>9</sup>	270	365	391	406	432	447	476	487	485	480
Rate per 1,000 divorced women: <sup>10</sup>										
15 years old and over	123.3	117.2	107.3	105.0	104.0	91.3	96.3	94.4	91.6	87.3
15-24 years old	413.4	319.6	347.3	313.7	306.1	236.4	262.2	263.6	260.1	244.3
25-44 years old	179.6	158.8	137.3	134.4	135.2	122.8	129.1	129.6	126.0	120.8
45-64 years old	42.6	40.1	35.6	35.6	35.1	30.3	30.2	31.3	31.2	30.4
65 years old and over	6.1	9.1	6.4	6.4	7.4	5.3	5.7	5.3	4.9	4.8
Median age at remarriage: <sup>11</sup>										
Male (years)	37.5	36.5	34.9	35.1	35.3	36.2	35.3	35.7	36.2	36.6
Female (years)	33.3	32.0	31.4	31.5	31.9	32.0	32.1	32.5	32.9	33.3
<b>DIVORCES <sup>12</sup></b>										
Total (1,000)	788	1,086	1,081	1,130	1,181	1,188	1,218	1,176	1,188	1,188
Rate per 1,000 population	3.8	4.8	5.0	5.1	5.3	5.2	5.3	5.0	4.9	5.0
Rate per 1,000 married women, 15 yr old and over <sup>13</sup>	14.9	20.3	21.1	21.9	22.8	22.6	22.8	21.7	21.3	21.5
Median duration of marriage <sup>14</sup> (years)	6.7	6.5	6.6	6.6	6.8	6.8	7.0	7.0	7.0	6.9
Median age at divorce after 1st marriage: <sup>15</sup>										
Male (years)	30.5	30.2	30.6	30.7	31.0	31.2	31.5	31.9	32.3	32.4
Female (years)	27.8	28.1	28.4	28.4	28.7	28.8	29.2	29.5	29.8	30.0
Children involved in divorces <sup>16</sup> (1,000)	870	1,123	1,095	1,147	1,181	1,174	1,180	1,108	1,091	1,081
Avg. number of children involved	1.22	1.08	1.00	1.01	1.00	.98	.97	.94	.94	.92

<sup>1</sup> Beginning 1978 includes nonlicensed marriages registered in California. <sup>2</sup> Rates for 1975-1979 are based on population estimates that were not revised in accordance with 1980 census results. <sup>3</sup> Number of States reporting: 1970, 39; 1975-1978, 41; and 1979-1984, 42. Includes DC. <sup>4</sup> 14 years old and over. <sup>5</sup> Includes remarriages of widows and of women whose prior marital status is unknown. <sup>6</sup> 14-24 years old. <sup>7</sup> Includes annulments. <sup>8</sup> Number of States reporting: 1970 and 1978, 28; 1975 and 1977, 29; 1979 and 1980, 30; and 1981-1984, 31. <sup>9</sup> Number of States reporting: 1970, 27; 1975-1978, 28; 1979 and 1980, 30; and 1981-1984, 31. Median age computed on grouped ages.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; *Monthly Vital Statistics Report* and unpublished data.

## NO. 127. PERCENT DISTRIBUTION OF MARRIAGES BY MARRIAGE ORDER OF BRIDE AND GROOM: 1970 TO 1984

[Beginning 1977, excludes Iowa. Data cover marriage-registration area; see footnote 3, table 126. Excludes marriages with marriage order not stated. Based on a sample and subject to sampling variability; for details, see source]

MARRIAGE ORDER	1970	1975	1977	1979	1979	1980	1981	1982	1983	1984
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First marriage of bride and groom	68.6	60.1	57.5	57.1	56.4	56.2	54.7	54.8	54.4	54.4
First marriage of bride, remarriage of groom	7.6	9.9	10.8	11.1	11.2	11.3	11.6	11.6	11.6	11.5
Remarriage of bride, first marriage of groom	7.3	8.6	9.0	9.3	9.5	9.8	10.1	10.3	10.5	10.7
Remarriage of bride and groom	16.5	21.3	22.6	22.5	22.8	22.7	23.4	23.3	23.5	23.4

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

## NO. 128. MARRIAGES AND DIVORCES—NUMBER AND RATE, BY STATE: 1980 TO 1986

(By place of occurrence. For composition of regions, see fig. inside front cover)

REGION, DIVISION, AND STATE	MARRIAGES <sup>1</sup>						DIVORCES <sup>2</sup>					
	Number (1,000)			Rate per 1,000 population <sup>3</sup>			Number (1,000)			Rate per 1,000 population <sup>4</sup>		
	1980	1985, prel.	1986, prel.	1980	1985, prel.	1986, prel.	1980	1985, prel.	1986, prel.	1980	1985, prel.	1986, prel.
U.S.	2,360.3	*2,425.0	*2,400.0	10.8	10.2	10.0	1,166.0	*1,167.8	*1,198.0	8.2	*8.0	*
Regions:												
Northeast	400.3	430.3	430.2	8.1	8.6	8.6	174.0	184.7	173.5	3.5	3.7	
Midwest	569.2	522.9	515.7	9.7	8.8	8.7	292.0	(NA)	(NA)	5.0	(NA)	
South	880.2	935.9	925.7	11.7	11.4	11.2	449.0	(NA)	(NA)	6.0	(NA)	
West	540.6	547.7	536.5	12.5	11.5	11.0	274.0	263.6	265.2	6.3	5.6	
New England	108.3	114.9	104.4	8.8	8.1	8.2	48.0	47.3	45.5	4.9	4.7	
Maine	12.0	11.9	12.1	10.7	9.7	10.3	6.2	6.2	5.8	5.5	5.4	
New Hampshire	9.3	11.2	11.7	10.0	11.2	11.4	5.3	4.9	4.7	5.7	5.0	
Vermont	6.2	5.6	5.8	10.2	10.5	10.4	2.6	2.3	2.4	5.1	4.3	
Massachusetts	48.3	51.6	40.7	8.1	8.9	7.0	17.9	19.8	20.0	3.1	3.4	
Rhode Island	7.5	8.0	8.0	7.9	8.2	8.3	3.8	3.8	3.7	3.8	3.7	
Connecticut	28.0	27.2	26.3	8.4	8.6	8.2	13.5	10.6	9.2	4.3	3.3	
Middle Atlantic	294.8	315.5	325.8	8.0	8.5	8.7	124.7	137.4	138.0	3.4	3.7	
New York	144.5	*184.9	*178.9	8.2	*9.3	*10.0	82.0	88.3	58.5	3.9	3.8	
New Jersey	55.8	61.9	60.8	7.8	8.2	8.0	27.6	29.3	28.4	3.8	3.9	
Pennsylvania	93.7	88.7	86.2	7.9	7.5	7.4	34.9	39.8	40.1	2.9	3.4	
East North Central	365.5	365.7	368.8	8.5	8.5	8.5	212.4	(NA)	(NA)	5.1	(NA)	
Ohio	98.8	94.2	97.0	9.2	8.8	9.0	58.8	53.2	53.4	5.4	5.0	
Indiana	57.8	52.7	50.5	10.5	9.6	9.2	*40.0	(NA)	(NA)	*7.3	(NA)	
Illinois	109.8	97.9	96.3	8.6	8.5	8.3	61.0	48.4	48.5	4.5	4.2	
Michigan	88.9	80.8	77.8	9.4	8.9	8.5	45.0	37.7	37.7	4.9	4.2	
Wisconsin	41.1	40.1	38.4	8.7	8.4	8.0	17.5	16.9	16.7	3.7	3.6	
West North Central	173.7	167.3	158.8	10.1	9.0	8.9	78.8	73.8	73.7	4.8	4.2	
Minnesota	37.8	34.5	35.0	9.2	8.2	8.3	15.4	13.8	13.0	3.8	3.3	
Iowa	27.5	24.7	23.4	8.4	8.6	8.2	11.9	10.8	10.2	4.1	3.7	
Missouri	54.6	49.0	50.3	11.1	9.7	9.9	27.6	25.4	25.9	5.6	5.0	
North Dakota	8.1	5.5	5.2	9.9	8.0	7.6	2.1	2.3	2.3	3.3	3.4	
South Dakota	8.8	7.8	7.4	12.7	11.1	10.5	2.8	2.8	2.6	4.1	3.8	
Nebraska	14.2	12.2	12.0	8.1	7.6	7.5	6.4	6.5	6.2	4.1	4.0	
Kansas	24.8	23.8	22.6	10.5	9.6	9.2	13.4	12.6	12.6	5.7	5.2	
South Atlantic	412.1	443.5	442.5	11.2	11.0	10.8	206.3	210.8	211.1	5.6	5.2	
Delaware	4.4	5.3	5.5	7.5	8.8	8.5	2.3	3.0	3.1	3.9	4.5	
Maryland	48.3	47.1	46.0	11.0	10.7	10.3	17.5	16.2	15.5	4.1	3.7	
District of Columbia	5.2	5.0	5.1	8.1	8.1	8.2	4.7	2.8	2.4	7.3	4.5	
Virginia	60.2	66.7	68.8	11.3	11.7	11.5	23.6	24.2	25.0	4.4	4.2	
West Virginia	17.4	14.8	13.8	8.9	7.6	7.2	10.3	10.0	9.8	5.3	5.2	
North Carolina	46.7	50.8	50.2	7.9	8.1	7.9	28.1	30.3	31.7	4.8	4.8	
South Carolina	53.9	52.8	54.1	17.3	15.8	16.0	13.6	13.8	13.5	4.4	4.1	
Georgia	70.6	73.6	72.0	12.9	12.3	11.8	34.7	33.0	32.6	6.4	5.5	
Florida	108.3	127.9	129.0	11.1	11.3	11.1	71.6	77.6	77.6	7.9	8.8	
East South Central	*188.6	172.4	178.7	*11.5	11.4	11.8	*87.5	86.3	87.9	*6.0	5.7	
Kentucky	*32.7	46.9	47.1	*8.9	12.6	12.8	*16.7	18.9	18.3	*4.6	5.0	
Tennessee	58.2	54.9	58.9	12.9	11.5	12.3	30.2	30.2	29.2	6.6	6.3	
Alabama	49.0	45.8	46.5	12.6	11.4	11.5	26.7	25.1	25.3	6.9	6.3	
Mississippi	27.9	24.7	24.1	11.1	8.5	9.2	13.6	12.2	14.2	5.5	4.7	
West South Central	288.2	319.8	308.5	12.8	12.1	11.4	*165.0	(NA)	(NA)	*6.6	(NA)	
Arkansas	26.5	30.5	31.2	11.6	12.9	13.1	*15.9	16.2	16.6	*6.9	6.8	
Louisiana	43.5	39.7	38.7	10.3	8.9	8.1	*18.1	(NA)	(NA)	*4.3	(NA)	
Oklahoma	46.5	35.9	33.8	15.4	10.9	10.2	24.2	26.4	24.7	8.0	8.0	
Texas	161.8	213.8	204.8	12.8	13.1	12.3	96.8	101.2	99.9	6.8	6.2	
Mountain	241.7	233.2	231.8	21.3	18.2	17.5	88.1	88.0	87.5	7.8	6.7	
Montana	8.3	7.2	6.8	10.8	8.7	8.3	4.9	4.3	4.3	6.3	5.2	
Idaho	13.4	12.5	10.5	14.2	12.5	10.5	6.8	6.2	6.0	7.0	6.2	
Wyoming	6.9	5.4	5.3	14.6	10.5	10.5	4.0	3.8	3.6	8.5	7.5	
Colorado	34.9	33.9	32.5	12.1	10.5	9.9	16.8	19.2	18.3	6.4	5.9	
New Mexico	18.6	*14.6	*14.1	12.8	*10.1	*9.6	10.4	9.0	8.9	8.0	6.2	
Arizona	30.2	*35.6	*36.0	11.1	*11.2	*10.9	19.9	21.4	23.4	7.3	8.7	
Utah	17.0	17.1	16.9	11.8	10.4	10.1	7.8	8.8	8.5	5.3	5.2	
Nevada	114.3	106.9	109.8	142.8	114.2	114.0	12.8	13.5	13.5	17.3	14.4	
Pacific	288.8	314.5	308.6	8.4	9.0	8.9	187.9	177.8	177.7	5.9	6.1	
Washington	47.7	44.5	43.8	11.8	10.1	9.8	26.8	25.6	26.1	6.9	5.8	
Oregon	23.0	22.4	21.8	8.7	8.3	8.0	17.8	15.8	15.5	6.7	5.9	
California <sup>10</sup>	210.9	228.1	219.0	8.9	8.6	8.1	133.5	127.4	127.8	5.8	4.8	
Alaska	5.4	6.2	5.9	13.3	11.9	11.1	3.5	4.0	3.6	8.8	7.7	
Hawaii	11.9	15.3	16.3	12.3	14.5	15.3	4.4	4.8	4.6	4.6	4.8	

NA Not available. <sup>1</sup> Data are counts of marriages performed, except as noted. <sup>2</sup> Based on total population resident in area; population enumerated as of April 1 for 1980, estimated as of July 1 for all other years. <sup>3</sup> Includes annular marriages. <sup>4</sup> Estimate for U.S. is based on monthly reports adjusted for observed differences from final monthly figures. State figures not adjusted in this manner. <sup>5</sup> Estimated. <sup>6</sup> For some counties, data are marriage licenses issued. <sup>7</sup> Includes all petitions filed for some counties. <sup>8</sup> Data are incomplete. <sup>9</sup> Marriage licenses issued. <sup>10</sup> Marriage data include all consensual marriages registered.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and *Monthly Vital Statistics Reports*.



## Section 3

# Health and Nutrition

This section presents statistics on health expenditures and insurance coverage; medical personnel; hospitals; nursing homes and other care facilities; incidence of acute and prevalence of chronic conditions; nutritional intake of the population; and per capita food consumption. Summary statistics showing recent trends on health care and discussions of selected health issues are published annually by the U.S. National Center for Health Statistics (NCHS) in *Health, United States*. Data on national health expenditures, medical costs, and insurance coverage are compiled by the U.S. Health Care Financing Administration (HCFA), and appear in the quarterly *Health Care Financing Review*, *Health Care Financing Notes*, (no longer being produced) and in the *Annual Medicare Program Statistics* series. Statistics on health facilities are collected by NCHS and are published in series 14 of *Vital and Health Statistics*. Statistics on hospitals are published annually by the American Hospital Association, Chicago, IL, in *Hospital Statistics*. Primary sources for data on nutrition are the quarterly *National Food Review* and the annual *Food Consumption, Prices, and Expenditures*, both issued by the U.S. Department of Agriculture. In addition, NCHS conducts periodic surveys of nutrient levels in the population and clinical signs of malnutrition.

**National health expenditures.**—The HCFA compiles estimates of national health expenditures (NHE) to measure spending for health care in the U.S. The NHE accounts are structured to show spending by type of expenditure (i.e., hospital care, physician care, dental care, other professional care, drugs and medical sundries, medical durable equipment, nursing home care and other personal health expenditures, plus non-personal health expenditures for such items as public health, research, construction of medical facilities, and administration) and by source of funding (e.g., private health insurance, direct payments, and a range of public programs including Medicare, Medicaid and Veterans Administration (VA)).

In all cases except private insurance (HCFA conducts its own survey of part of the health insurance industry), data used to estimate health expenditures come from existing sources which are tabulated for other purposes. The type of expenditure estimates rely upon statistics produced by such groups as the American Hospital Association, the Internal Revenue Service, the Department of Commerce, and the Department of Health and Human Services (HHS). Source of funding estimates are constructed using administrative and statistical records from: the Medicare and Medicaid programs, the Department of Defense and VA medical programs, the Social Security Administration, Census Bureau's *Governmental Finances*, State and local governments, other HHS agencies, and other nongovernment sources. Detailed descriptions of sources and methods, along with the most recent analysis of health care expenditure estimates, are published in the *Health Care Financing Review's* annual article on national health expenditures.

**Health resources.**—Hospital statistics based on data from the American Hospital Association's yearly survey are published annually in *Hospital Statistics*, and cover all hospitals accepted for registration by the Association. To be accepted for registration, a hospital must meet certain requirements relating to number of beds, construction, equipment, medical and nursing staff, patient care, clinical records, surgical and obstetrical facilities, diagnostic and treatment facilities, laboratory services, etc. Data obtained from NCHS cover all U.S. hospitals which meet certain criteria for inclusion. The criteria are published in *Vital and Health Statistics* reports, series 14. In these reports, a hospital is defined as a facility with at least six inpatient beds that is licensed as a hospital by a State, or is operated as a hospital by a Federal or State agency.

Statistics on the demographic characteristics of persons employed in the health occupations are based on data compiled by the U.S. Bureau of Labor Statistics and reported in *Employment and Earnings* (monthly) (see table 827, section 13). Data based on sample surveys of health personnel and utilization of health facilities providing long-term care, ambulatory care, and hospital care are presented in NCHS series 13 and series 14, *Health Resources Utilization Data and Manpower and Facilities Data*. Statistics on patient visits to health care providers, as reported in health interviews, appear in NCHS series 10, *National Health Interview Survey Data*.

The HCFA's *Health Care Financing Review, Health Care Financing Program Statistics* and *No* series present data for hospitals and nursing homes as well as extended care facilities and ho health agencies. These data are based on records of the Medicare program and differ from th of other sources because they are limited to facilities meeting Federal eligibility standards for p ticipation in Medicare.

Data on patients in hospitals for the mentally ill and on mental health facilities are collected the National Institute of Mental Health (NIMH) and appear in *Mental Health, U.S.*, the *Mental He Statistics* reports, (series CN), and the Mental Health Statistical Note series.

**Disability and illness.**—General health statistics, including morbidity, disability, injuries, prev tive care, and findings from physiological testing, are collected by NCHS in its National Health In view Survey and its National Health and Nutrition Examination Surveys and appear in *Vital Health Statistics*, series 10 and 11, respectively. The Department of Labor compiles statistics industrial injuries (see Section 13). Annual incidence data on notifiable diseases are compiled the Public Health Service (PHS) at its Centers for Disease Control in Atlanta, Georgia, and are p lished as a supplement to its *Morbidity and Mortality Weekly Report*. The list of diseases is revt annually and includes those which, by mutual agreement of the States and PHS, are communica diseases of national importance.

**Nutrition.**—Statistics on annual per capita consumption of food and its nutrient value are e mated by the U.S. Department of Agriculture and published quarterly in *National Food Review*. I torical data can be found in *Food Consumption, Prices, and Expenditures*, issued annually.

**Statistical reliability.**—For discussion of statistical collection, estimation, and sampling pro dures and measures of statistical reliability applicable to data from NCHS and HCFA, see Apper III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *His cal Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and M may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see pendix V.

NO.129. NATIONAL HEALTH EXPENDITURES: 1970 TO 1986  
[Includes Puerto Rico and outlying areas]

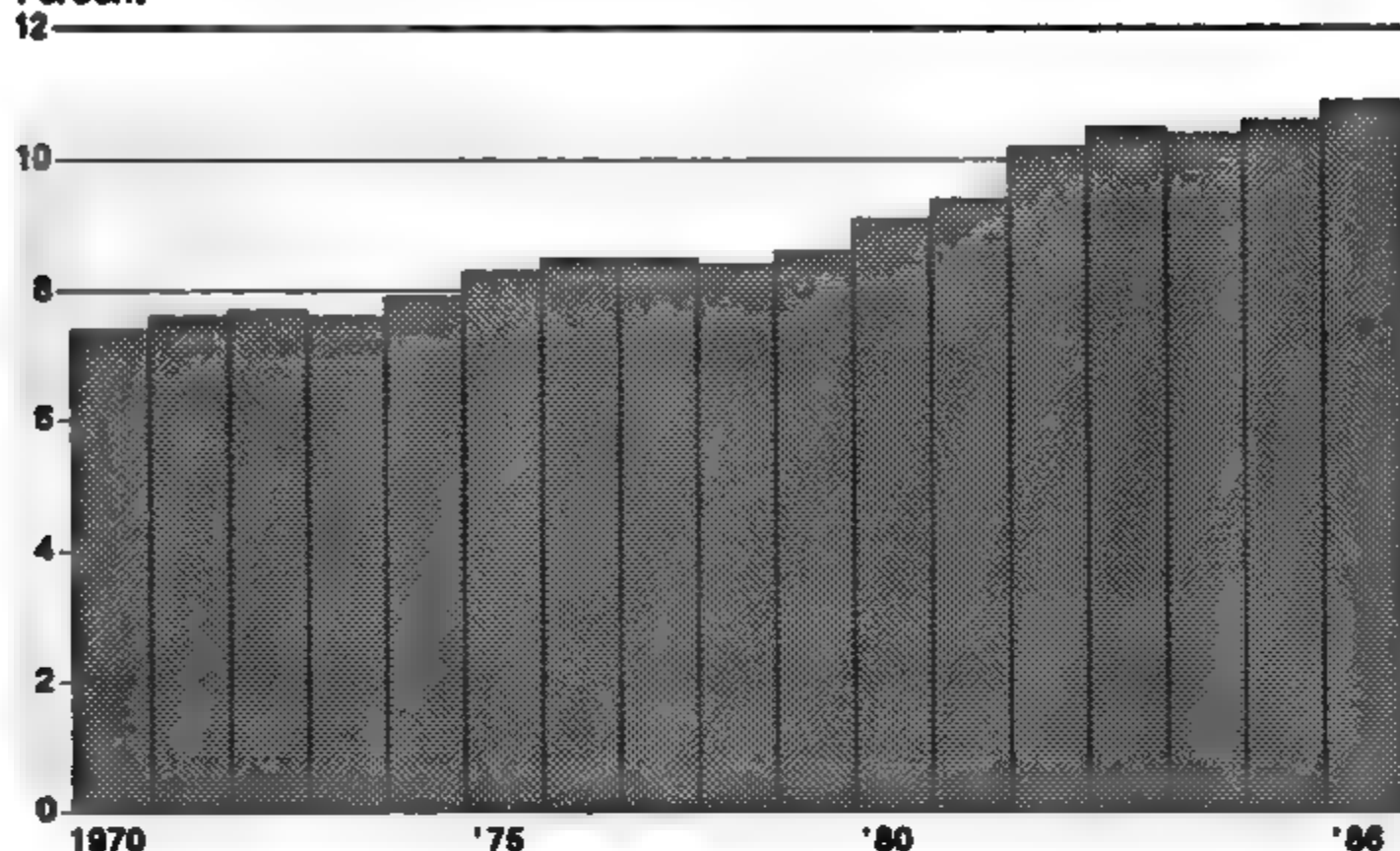
YEAR	TOTAL <sup>1</sup>			HEALTH SERVICES AND SUPPLIES							
	Total (bil. dol.)	Per capita (dol.)	Per- cent of GNP <sup>2</sup>	Private				Public			
				Total <sup>3</sup> (bil. dol.)	Direct patient payments		Insur- ance premi- ums <sup>4</sup> (bil. dol.)	Total <sup>5</sup>		Medical payments	
					Total (bil. dol.)	Per- cent of total private		Total (bil. dol.)	Per- cent of total health exp.	Medi- care (bil. dol.)	Pr as e e
1970.....	75.0	349	7.4	44.7	26.5	59.3	16.9	24.9	33.2	7.5	
1971.....	83.5	384	7.6	48.9	28.1	57.4	19.3	28.4	34.0	8.3	
1972.....	94.0	428	7.7	55.3	30.6	55.4	22.2	32.1	34.1	9.1	
1973.....	103.4	487	7.6	60.7	33.3	54.8	24.7	35.8	34.6	10.1	
1974.....	116.1	521	7.9	65.8	36.2	55.0	27.9	42.9	36.9	13.1	
1975.....	132.7	590	8.3	73.0	38.1	52.2	33.2	51.3	36.6	16.3	
1976.....	150.8	665	8.5	84.5	42.0	49.8	40.4	57.3	38.0	19.3	
1977.....	169.9	743	8.5	96.7	48.4	48.1	48.0	64.0	37.7	22.5	
1978.....	169.7	822	8.4	106.6	50.7	47.6	53.6	73.3	38.7	25.9	
1979.....	214.7	921	8.6	120.4	55.8	46.4	62.0	83.8	39.0	30.3	
1980.....	248.1	1,054	9.1	138.7	63.0	45.5	72.6	97.5	39.3	36.8	
1981.....	287.0	1,207	9.4	160.6	72.6	45.2	84.4	113.2	39.4	44.8	
1982.....	323.6	1,348	10.2	182.2	79.6	43.7	98.7	127.1	39.3	52.4	
1983.....	357.2	1,473	10.5	202.8	88.7	43.7	109.7	138.9	38.9	58.9	
1984.....	391.1	1,597	10.4	224.7	96.4	43.8	121.5	150.8	38.6	64.4	
1985.....	422.6	1,710	10.6	240.7	105.3	43.7	130.1	166.5	39.4	72.3	
1986.....	458.2	1,837	10.9	262.5	116.1	44.2	140.7	179.5	39.2	77.7	

<sup>1</sup> Includes medical research and medical facilities construction. <sup>2</sup> GNP=Gross national product; see table 671. Includes other sources of funds not shown separately. <sup>3</sup> See footnote 3, table 130. <sup>4</sup> Includes other programs, net separately.



**Figure 3.1**  
**National Health Expenditures as Percent of Gross**  
**National Product: 1970 to 1986**

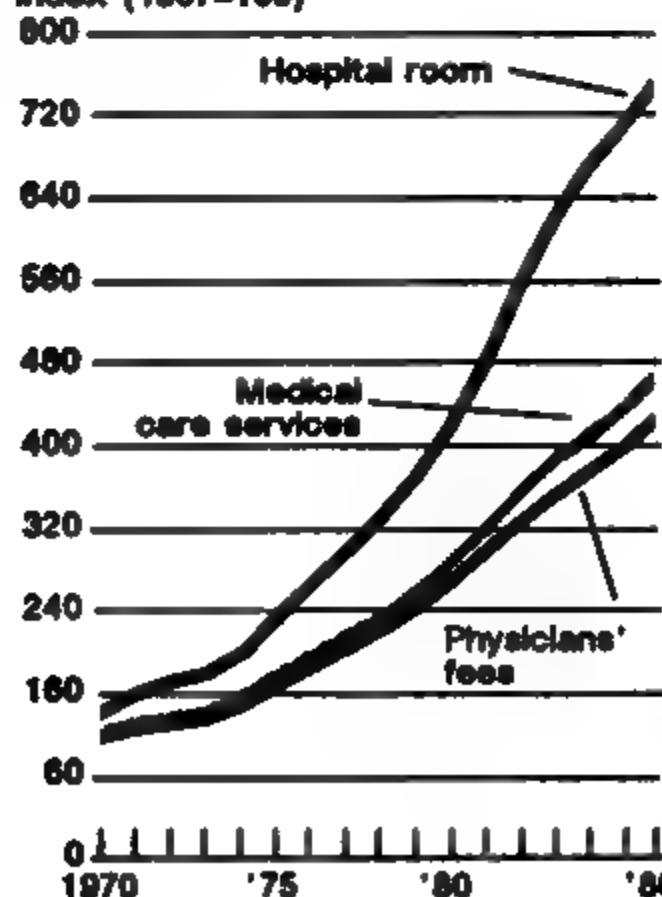
Percent



Source: Chart prepared by U.S. Bureau of the Census. For data see table 129.

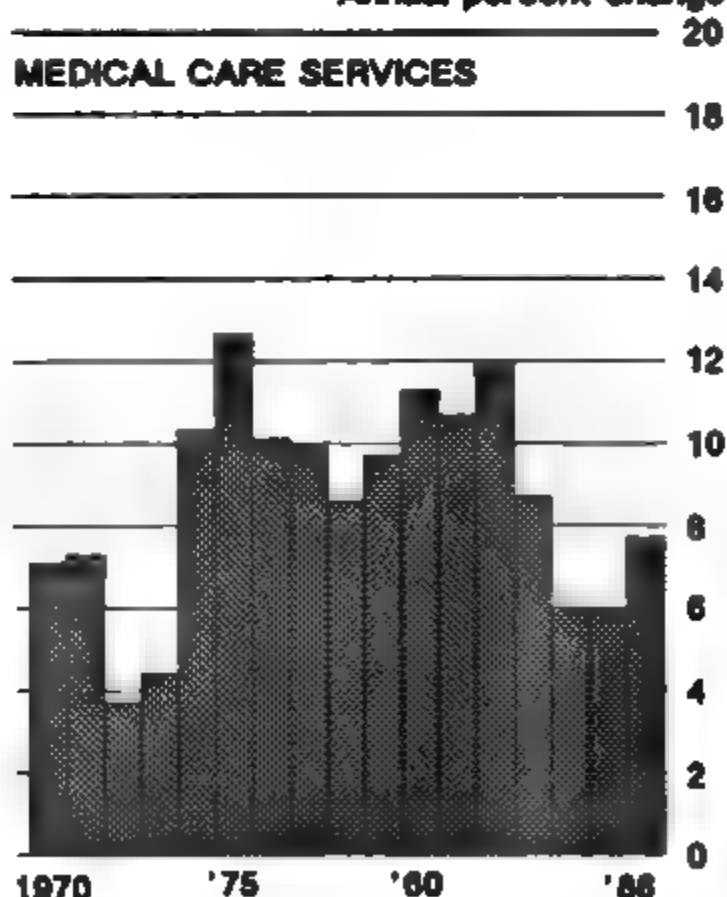
**Figure 3.2**  
**Indexes of Medical Care Prices: 1970 to 1986**

Index (1967=100)



Annual percent change

**MEDICAL CARE SERVICES**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 135.



## NO. 130. NATIONAL HEALTH EXPENDITURES, BY TYPE: 1970 TO 1986

[In millions of dollars, except percent. Includes Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series B 248-261]

TYPE OF EXPENDITURE	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>Total</b>	<b>74,986</b>	<b>132,880</b>	<b>248,110</b>	<b>289,976</b>	<b>323,636</b>	<b>367,186</b>	<b>391,070</b>	<b>422,592</b>	<b>458,218</b>
Average annual percent change <sup>1</sup>	12.3	12.1	13.3	15.7	12.8	10.4	9.5	8.1	8
<b>Private expenditures</b>	<b>47,222</b>	<b>76,366</b>	<b>142,939</b>	<b>165,781</b>	<b>188,367</b>	<b>209,659</b>	<b>231,348</b>	<b>248,612</b>	<b>269,515</b>
Health services and supplies	44,662	73,020	138,666	160,631	182,239	202,846	224,689	240,658	262,411
Direct patient payments	26,498	36,081	63,039	72,620	79,615	88,685	96,414	105,306	116,111
Insurance premiums <sup>2</sup>	16,671	33,178	72,595	84,419	98,679	109,684	121,484	130,139	140,711
Other	1,293	1,781	3,032	3,592	3,945	4,478	4,611	5,214	5,655
Medical research	215	264	305	318	333	354	363	377	391
Medical facilities construction	2,345	3,072	3,967	4,632	5,765	6,456	6,296	6,577	6,819
<b>Public expenditures</b>	<b>27,773</b>	<b>56,514</b>	<b>105,172</b>	<b>124,195</b>	<b>135,270</b>	<b>147,527</b>	<b>159,722</b>	<b>173,980</b>	<b>188,703</b>
Percent Federal of public	63.6	65.8	67.5	68.7	68.9	68.6	69.2	70.7	70
Health services and supplies	24,933	51,259	97,506	113,170	127,115	138,949	150,762	166,501	178,411
Medicare <sup>3</sup>	7,496	16,317	36,614	44,772	52,362	58,680	64,427	72,294	77,711
Public assistance medical payments <sup>4</sup>	6,321	15,066	28,127	32,255	34,879	37,677	39,288	42,191	45,711
Temporary disability insurance <sup>5</sup>	88	73	52	52	53	59			
Workers' compensation (medical) <sup>6</sup>	1,409	2,432	5,151	5,696	6,088	6,946			
Defense Dept. hospital, medical	1,782	2,630	4,207	4,917	5,709	6,535			
Maternal, child health programs	429	689	892	907	985	1,099	(NA)	(NA)	91
Public health activities	1,431	3,165	7,294	8,483	9,331	9,948			
Veterans' hospital, medical care	1,784	3,495	5,939	6,512	7,144	7,677			
Medical vocational rehabilitation	149	177	216	208	200	233			
State and local hospitals <sup>7</sup>	3,320	5,230	5,803	6,253	7,219	6,878			
Other <sup>8</sup>	767	1,851	3,012	3,119	3,155	3,050			
Medical research	1,754	3,071	5,134	5,295	5,539	5,800	6,410	6,966	7,211
Medical facilities construction	1,066	1,995	2,532	2,728	2,624	2,778	2,569	2,484	2,311

NA Not available. <sup>1</sup> Change from prior year shown, except as noted. For explanation of average annual percent change see Guide to Tabular Presentation. <sup>2</sup> Change from 1985. <sup>3</sup> Covers insurance benefits and amount retained by insured companies for expenses, additions to reserves, and profits (net cost of insurance). <sup>4</sup> Includes expenditures not available by type. <sup>5</sup> Represents expenditures for benefits and administrative cost from Federal hospital and medical insurance trust fund under old-age, survivors, disability, and health insurance programs; see text, section 12. <sup>6</sup> Payments made directly to suppliers of medical care. (Primarily Medicaid.) <sup>7</sup> Includes medical benefits paid under public law by private insurance carriers and as insurers. <sup>8</sup> Expenditures not offset by other revenues. <sup>9</sup> Covers expenditures for Alcohol, Drug Abuse, and Mental Health Administration; Indian Health Service; school health and other programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987

## NO. 131. NATIONAL HEALTH EXPENDITURES, BY OBJECT: 1970 TO 1986

[See heading, table 130. See also *Historical Statistics, Colonial Times to 1970*, series B 221-235]

OBJECT OF EXPENDITURE	EXPENDITURE (bil. dol.)										PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1970	1986	1986	1986
<b>Total</b>	<b>75.0</b>	<b>132.7</b>	<b>248.1</b>	<b>287.0</b>	<b>323.6</b>	<b>367.2</b>	<b>391.1</b>	<b>422.6</b>	<b>458.2</b>	<b>100.0</b>	<b>100.0</b>	<b>100</b>	<b>100</b>
<b>Spent by—</b>													
Consumers	43.4	71.3	136.6	157.0	178.3	198.4	219.9	235.4	255.9	57.8	54.7	58	58
Government	27.8	56.3	106.2	121.2	136.3	147.5	159.7	176.0	189.7	37.0	42.4	41	41
Philanthropy and industry	3.9	5.1	7.3	8.7	10.1	11.3	11.5	11.2	11.7	5.1	2.9	3	3
<b>Spent for—</b>													
Health services and supplies	69.6	124.3	236.2	273.8	309.4	341.6	375.4	407.2	442.0	92.8	95.2	96	96
Personal health care expenses	65.4	117.1	219.7	254.7	286.5	314.7	341.9	371.3	404.0	87.1	88.6	88	88
Hospital care	28.0	52.4	101.6	119.1	135.2	146.8	158.3	167.2	179.6	37.3	41.0	38	38
Physicians' services	14.3	24.9	46.8	54.8	61.8	64.8	75.4	82.6	92.0	19.1	18.9	20	20
Dentists' services	4.7	8.2	15.4	17.3	19.5	21.7	24.8	27.1	29.6	6.3	6.2	6	6
Other professional services <sup>1</sup>	1.8	2.8	5.7	6.8	8.0	9.3	10.9	12.4	14.1	2.1	2.3	3	3
Drugs and sundries	8.0	11.9	18.8	20.7	22.1	24.5	26.5	28.7	30.6	10.7	7.6	8	8
Eyeglasses and appliances <sup>2</sup>	1.9	3.2	5.1	5.3	5.8	6.2	7.0	7.5	8.2	2.6	2.0	3	3
Nursing home care	4.7	10.1	20.4	23.9	26.7	29.4	31.7	35.0	38.1	6.3	8.2	6	6
Other health services	2.1	3.8	5.9	6.8	7.4	8.3	9.4	10.8	11.9	2.8	2.4	3	3
Net cost of insurance and administration <sup>3</sup>	2.8	4.0	9.2	10.6	13.5	17.1	22.6	23.6	24.5	3.8	3.7	4	4
Government public health activities	1.4	3.2	7.3	8.5	9.3	9.9	11.0	12.3	13.4	1.9	2.9	2	2
Medical research	2.0	3.3	5.4	5.6	5.9	6.2	6.9	7.4	8.2	2.6	2.2	3	3
Medical facilities construction	3.4	5.1	6.5	7.6	8.4	9.2	8.8	8.1	8.0	4.6	2.6	3	3

<sup>1</sup> Includes services of registered and practical nurses in private duty, visiting nurses, podiatrists, physical therapists, clinical psychologists, chiropractors, naturopaths, and Christian Science practitioners. <sup>2</sup> Includes fees of optometrists and expenditures for hearing aids, orthopedic appliances, artificial limbs, crutches, wheelchairs, etc. <sup>3</sup> Includes administrative expenses of Federally financed health programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987

### NO. 132. HEALTH SERVICES AND SUPPLIES—PER CAPITA NATIONAL AND PRIVATE CONSUMER EXPENDITURES, BY OBJECT: 1970 TO 1986

1 dollars, except percent. Based on Social Security Administration estimates of total U.S. population as of July 1, including Armed Forces and Federal employees abroad and civilian population of outlying areas. Excludes research and construction. See also *Historical Statistics, Colonial Times to 1970*, series B 222-232]

OBJECT OF EXPENDITURE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>Total, national</b>	<b>334</b>	<b>583</b>	<b>876</b>	<b>1,084</b>	<b>1,182</b>	<b>1,306</b>	<b>1,410</b>	<b>1,533</b>	<b>1,647</b>	<b>1,772</b>
Average annual percent change <sup>1</sup>	11.4	11.3	12.2	14.5	14.7	11.9	8.4	8.7	7.4	7.6
Capital care	130	233	373	432	501	583	605	638	676	720
Physicians' services	87	111	173	196	230	257	282	308	335	369
Infants' services	22	37	57	66	73	81	90	101	110	116
Other professional services <sup>2</sup>	7	12	20	24	29	33	38	45	50	56
Drugs and drug sundries	37	53	74	80	87	92	101	108	116	122
Glasses and appliances <sup>3</sup>	9	14	20	22	22	24	26	28	30	33
Nursing home care	22	45	75	87	100	111	121	130	141	153
Other health services	10	17	22	25	28	31	34	38	44	48
Net cost of insurance and administration <sup>4</sup>	13	18	37	39	45	66	71	92	96	96
Government public health activities	7	14	25	31	36	39	41	45	50	54
<b>Total, private consumer<sup>5</sup></b>	<b>282</b>	<b>317</b>	<b>506</b>	<b>576</b>	<b>681</b>	<b>742</b>	<b>818</b>	<b>886</b>	<b>963</b>	<b>1,030</b>
Capital care	80	102	180	196	232	260	281	292	303	328
Physicians' services	53	62	126	145	167	187	202	221	237	260
Infants' services	21	36	55	63	70	79	87	98	107	116
Other professional services <sup>2</sup>	6	9	15	18	21	24	27	31	35	40
Drugs and drug sundries	35	49	67	73	79	84	92	98	105	110
Glasses and appliances <sup>3</sup>	9	13	18	19	20	21	21	21	24	26
Nursing home care	11	19	32	39	46	52	59	64	72	79
Other health services	7	11	22	22	25	28	35	38	46	51

<sup>1</sup> Change from prior year shown; for 1970 from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation. <sup>2</sup> See footnotes for corresponding objects in table 131. <sup>3</sup> Represents direct patient payments and private health insurance.

### NO. 133. PERSONAL HEALTH CARE—THIRD PARTY PAYMENTS AND PRIVATE CONSUMER EXPENDITURES: 1970 TO 1986

(In billions of dollars, except percent. See headnote, table 134)

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>Personal health care expenditures</b>	<b>85.4</b>	<b>117.1</b>	<b>186.7</b>	<b>219.7</b>	<b>254.7</b>	<b>288.5</b>	<b>314.7</b>	<b>341.9</b>	<b>371.3</b>	<b>404.0</b>
Third party payments, total	38.9	79.0	123.8	158.7	182.1	208.8	238.0	243.5	268.0	287.9
Percent of total health care	59.5	67.5	70.6	71.3	71.5	72.2	71.9	71.2	71.6	71.3
Private insurance payments	15.3	31.2	56.9	67.5	78.4	89.9	98.0	104.9	113.0	122.9
Government expenditures	22.4	48.3	74.6	85.5	100.5	113.5	124.1	134.3	148.3	160.0
Philanthropy and industry	1.1	1.6	2.3	2.7	3.2	3.5	4.0	4.3	4.6	5.0
<b>Private consumer expenditures<sup>1</sup></b>	<b>41.8</b>	<b>88.3</b>	<b>112.7</b>	<b>136.5</b>	<b>151.0</b>	<b>168.5</b>	<b>188.7</b>	<b>203.3</b>	<b>218.3</b>	<b>238.0</b>
Percent met by private insurance	36.6	45.1	50.5	51.7	51.9	53.0	52.5	51.6	51.8	51.4
Hospital care	12.9	23.0	39.5	46.6	55.2	62.4	68.2	71.6	74.9	81.7
Percent met by private insurance	75.2	81.9	83.8	83.1	81.7	82.2	80.8	78.8	80.7	79.4
Physicians' services	11.3	18.4	29.5	34.2	39.7	44.8	48.9	54.1	58.5	64.6
Percent met by private insurance	42.5	53.7	57.9	58.4	57.4	59.4	60.5	61.4	60.6	59.6

<sup>1</sup> Includes expenditures not shown separately. Represents direct patient payments and private health insurance. Excludes net cost of insurance.

### NO. 134. PERSONAL HEALTH CARE EXPENDITURES, BY OBJECT AND SOURCE OF PAYMENT: 1986

1 billions of dollars, except as indicated. Includes Puerto Rico and outlying areas. Covers all expenditures for health services and supplies, except net cost of insurance and administration, government public health activities, and expenditures of philanthropic agencies for fund raising activities]

SOURCE	TOTAL EXPENDITURES		Hospital care	Physicians' services	Dentists' services	Other professional services	Drugs and drug sundries	Eye-glasses and appliances	Nursing home care	Other health services
	Total	Per capita <sup>1</sup> (dol.)								
<b>Total</b>	<b>404,046</b>	<b>1,628</b>	<b>178,579</b>	<b>91,951</b>	<b>29,847</b>	<b>14,891</b>	<b>38,551</b>	<b>8,161</b>	<b>38,148</b>	<b>11,899</b>
Direct patient payments	116,129	466	18,818	28,189	19,084	6,249	22,868	5,489	19,116	-
Third party payments	287,917	1,154	162,761	65,762	10,583	7,842	7,683	2,685	18,701	11,899
Private health insurance	122,913	483	64,803	38,570	8,916	3,670	4,477	988	312	-
Government	159,965	641	95,893	27,081	848	4,047	3,207	1,719	18,114	9,497
Philanthropy	5,020	20	2,166	51	-	124	-	-	275	2,402
<b>Private<sup>2</sup></b>	<b>344,081</b>	<b>878</b>	<b>83,886</b>	<b>64,808</b>	<b>28,833</b>	<b>18,844</b>	<b>27,344</b>	<b>6,482</b>	<b>28,833</b>	<b>2,482</b>

- Represents zero. <sup>1</sup> For basis of per capita figures, see headnote, table 132. <sup>2</sup> Covers direct patient payments, private health insurance, and philanthropy and industry.

Source of tables 132-134: U.S. Health Care Financing Administration, *Health Care Financing Review*, Bureau: 1987.

No. 135. GOVERNMENT EXPENDITURES FOR HEALTH SERVICES AND SUPPLIES: 1980 AND 1986

[In millions of dollars, except percent. Includes Puerto Rico and outlying areas. Excludes medical research and construction]

YEAR AND OBJECT OF EXPENDITURE	TOTAL <sup>1</sup>		FEDERAL		State and local	Medicare <sup>2</sup> (OASDHI)	Public assistance <sup>3</sup>	OTHER HEALTH SERVICES		
	Amount	Per-cent distribution	Total	Per-cent of total				Veterans	De-fense Dept. <sup>4</sup>	Workers' compensa-tion <sup>5</sup>
1980, total <sup>1</sup> .....	97,506	100.0	65,762	67.4	31,744	36,814	38,127	5,939	4,207	5,151
Hospital care .....	53,927	55.3	41,085	76.2	12,842	25,916	10,211	4,922	3,426	1,993
Physicians' services .....	12,614	12.9	9,644	76.5	2,970	7,906	2,597	59	121	1,656
Nursing home care .....	11,169	11.5	6,039	54.0	5,150	396	10,431	362	-	-
Drugs and sundries .....	1,614	1.7	804	49.8	810	-	1,489	13	14	78
Administration .....	3,754	3.9	2,024	53.9	1,730	1,118	1,266	49	32	1,225
Public health activities .....	7,294	7.5	1,266	17.4	6,028	-	-	-	-	-
1986, total <sup>1</sup> .....	179,473	100.0	126,622	70.6	52,851	77,721	45,762	(NA)		
Hospital care .....	95,693	50.4	76,507	60.0	19,186	51,702	15,822			
Physicians' services .....	27,081	14.3	22,050	81.5	5,012	18,968	3,946			
Nursing home care .....	18,114	9.5	10,140	56.0	7,973	613	15,803			
Drugs and sundries .....	3,207	1.7	1,712	53.4	1,495	-	2,858			
Administration .....	6,106	3.2	3,377	55.3	2,731	1,724	2,231			
Public health activities .....	13,380	7.1	1,399	10.5	11,981	-	-			

- Represents zero. NA Not available. <sup>1</sup> Includes other items not shown separately. <sup>2</sup> Covers hospital and medical insurance payments and administrative costs under old-age, survivors, disability and health insurance program. <sup>3</sup> Covers Medicaid and other medical public assistance. Includes funds paid into Medicare trust fund by States to cover premiums for public assistance recipients and medically indigent persons. <sup>4</sup> Includes care for retirees and military dependents. <sup>5</sup> Medical benefits.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

No. 136. FEDERAL OUTLAYS FOR HEALTH, BY TYPE OF PROGRAM: 1970 TO 1987

[For fiscal year ending in year shown; see text, section 9]

TYPE OF PROGRAM	TOTAL OUTLAYS (mil. dol.)							OUTLAYS PER CAPITA <sup>1</sup>		
	1970	1980	1982	1984	1986	1988	1987, est.	1970	1980	1987, est.
Total outlays <sup>2</sup> .....	13,913	61,754	89,485	96,819	108,911	115,973	121,536	\$68	\$273	\$500
Medicare <sup>3</sup> .....	6,213	32,090	52,588	57,540	65,822	70,164	71,614	31	142	294
Health care services <sup>4</sup> .....	3,993	18,003	23,008	24,522	26,984	28,850	32,040	20	79	132
Medicaid .....	2,727	14,028	18,965	20,081	22,655	24,995	26,700	13	62	110
Federal employee health benefits ...	17	608	1,019	1,342	1,221	638	1,871	(Z)	3	8
Hospital and medical care for veterans .....	1,800	6,515	8,272	8,861	9,547	9,872	10,257	9	29	42
Health research .....	1,054	3,442	3,973	4,379	4,906	5,393	5,925	5	15	24
National Institutes of Health .....	917	3,029	3,555	3,963	4,437	4,859	5,244	5	13	22
Other .....	137	413	418	416	471	534	682	1	2	3
Consumer safety .....	177	674	720	762	812	799	854	1	3	4
Education and training of health care work force .....	633	719	578	368	466	529	455	3	3	2
Research training .....	(NA)	(NA)	194	195	233	256	269	(NA)	(NA)	1
Clinical training .....	(NA)	(NA)	325	166	189	232	156	(NA)	(NA)	1
Other .....	(NA)	(NA)	59	28	46	41	30	(NA)	(NA)	(Z)
Occupational safety and health .....	49	326	346	367	370	366	391	(Z)	1	2

NA Not available. Z Less than 50 cents. <sup>1</sup> Based on Bureau of the Census estimated resident population as of July <sup>2</sup> Includes deductions for offsetting receipts (-\$6 million in 1970 and -\$17 million in 1980). <sup>3</sup> Adjusted for premiums and collections. <sup>4</sup> Includes other programs. not shown separately.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 137. BENEFIT EXPENDITURES OF PRIVATE HEALTH INSURANCE ORGANIZATIONS: 1970 TO 1985

[In millions of dollars. For financial data on private health insurance organizations, see table 821]

TYPE OF PLAN	1970	1975	1980	1981	1982	1983	1984	1985			
								Total	Hospital care	Physicians' services	Dental and other
Total .....	15,320	31,222	67,504	78,400	88,929	97,899	164,880	113,000	60,463	36,470	17,1
Blue Cross-Blue Shield .....	7,080	14,192	25,467	29,209	32,144	34,396	35,522	37,540	24,174	9,938	3,4
Insurance companies .....	7,104	12,826	25,774	30,271	36,424	40,109	41,286	43,112	22,310	14,340	6,4
Independent plans .....	1,156	4,206	16,264	18,920	21,360	23,483	26,043	32,346	13,979	11,192	7,1

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987, and unpublished data

NO. 138. INDEXES OF MEDICAL CARE PRICES: 1970 TO 1986

B. Indexes are components of consumer price index; for explanation, see text, section 15. See also *Historical Statistics, Colonial Times to 1970*, series B 262-272]

	Index, total	MEDICAL CARE SERVICES					Medi- cal care com- mod- ities <sup>2</sup>	ANNUAL PERCENT CHANGE					
		Total <sup>1</sup>	Professional services			Hos- pital room		Total	Medical care services				Medi- cal care com- mod- ities <sup>2</sup>
			Total <sup>1</sup>	Physi- cians	Den- tal				Total <sup>1</sup>	Physi- cians	Den- tal	Hos- pital room	
.....	120.6	124.2	119.7	121.4	119.4	145.4	103.6	<sup>2</sup> 6.3	<sup>2</sup> 7.1	<sup>2</sup> 7.5	<sup>2</sup> 5.8	<sup>2</sup> 12.9	<sup>2</sup> 2.3
.....	128.4	133.3	127.5	129.8	127.0	163.1	105.4	6.5	7.3	6.9	6.4	12.2	1.7
.....	132.5	136.2	132.1	133.8	132.3	173.9	105.6	3.2	3.7	3.1	4.2	6.6	.2
.....	137.7	144.3	136.4	138.2	136.4	182.1	105.9	3.9	4.4	3.3	3.1	4.7	.3
.....	150.5	159.1	148.2	150.9	146.8	201.5	109.6	9.3	10.3	9.2	7.6	10.7	3.5
.....	168.6	179.1	164.5	169.4	161.9	236.1	118.8	12.0	12.6	12.3	10.3	17.2	8.4
.....	184.7	197.1	179.4	186.5	172.2	268.6	126.0	9.5	10.1	11.3	6.4	13.8	6.1
.....	202.4	216.7	194.1	206.0	185.1	299.5	134.1	9.6	9.9	9.3	7.5	11.5	6.4
.....	219.4	235.4	206.8	223.1	198.1	332.4	143.5	8.4	8.6	8.3	7.0	11.0	7.0
.....	239.7	258.3	226.8	243.6	214.6	370.3	153.8	9.3	9.7	9.2	8.4	11.4	7.2
.....	265.9	287.4	252.0	269.3	240.2	418.9	166.1	10.9	11.3	10.6	11.8	13.1	9.3
.....	294.5	318.2	277.9	299.0	263.3	481.1	186.5	10.8	10.7	11.0	9.6	14.8	10.9
.....	328.7	356.0	301.5	327.1	283.6	556.7	205.7	11.6	11.9	9.4	7.7	15.7	10.3
.....	357.3	387.0	323.0	352.3	302.7	619.7	223.3	8.7	8.7	7.7	6.7	11.3	8.6
.....	379.5	410.3	346.1	376.8	327.3	670.9	239.7	6.2	6.0	7.0	8.1	6.3	7.3
.....	403.1	435.1	367.3	396.8	347.9	710.5	256.7	6.2	6.0	5.8	6.3	5.9	7.1
.....	433.5	466.6	390.9	427.7	367.3	753.1	273.6	7.5	7.7	7.2	5.6	6.0	8.6

<sup>2</sup> other services, not shown separately. <sup>2</sup> Prior to 1978, covers drugs and prescriptions only.  
<sup>1</sup> from 1969.  
J.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

D. AVERAGE ANNUAL EXPENDITURES OF CONSUMER UNITS FOR HEALTH CARE: 1980 TO 1985

nd, section 14, and headnote, table 688. For average weekly expenditures for nonprescription drugs, see table 689]

ITEM	HEALTH CARE, TOTAL		Health insurance	Medical services	Prescription drugs, medical supplies	PERCENT DISTRIBUTION			
	Amount	Percent of total expenditures				Health care, total	Health insurance	Medical services	Prescription drugs, medical supplies
IAN CONSUMER UNITS									
.....	\$730	4.4	\$216	\$401	\$113	100.0	29.6	54.9	15.5
.....	762	4.3	222	413	127	100.0	29.1	54.2	16.7
.....	804	4.4	233	438	134	100.0	29.0	54.5	16.7
.....	839	4.3	234	457	148	100.0	27.9	54.5	17.6
.....	899	4.1	261	466	153	100.0	31.3	51.8	17.0
L CONSUMER UNITS									
.....	961	4.7	370	454	157	100.0	37.7	46.3	16.0
.....	1,037	4.7	376	496	196	100.0	36.2	47.9	16.0
erence person:									
i years old.....	396	3.1	111	243	42	100.0	28.0	61.4	10.6
ers old.....	711	3.2	235	387	88	100.0	33.1	54.4	12.4
ers old.....	910	3.2	296	478	136	100.0	32.5	52.5	14.9
ers old.....	1,177	4.0	406	591	179	100.0	34.5	50.2	15.2
ers old.....	1,269	5.5	451	627	211	100.0	35.0	48.6	16.4
ers old.....	1,539	9.1	673	576	269	100.0	43.7	37.4	18.8
old and over.....	1,509	12.2	607	800	302	100.0	40.2	39.8	20.0
residence:									
.....	875	4.1	317	424	134	100.0	36.2	48.5	15.3
.....	1,064	5.0	369	506	167	100.0	36.6	47.7	15.7
.....	1,153	5.3	423	529	201	100.0	36.7	45.9	17.4
.....	963	4.0	340	504	140	100.0	34.6	51.3	14.2
nsumer unit:									
son.....	636	4.8	229	301	106	100.0	36.0	47.3	16.7
sons.....	1,266	5.7	490	559	218	100.0	36.6	44.1	17.2
irsons.....	1,065	4.1	406	505	172	100.0	37.6	46.5	15.9
sons.....	1,219	4.1	382	675	163	100.0	31.3	55.4	13.4
sons.....	1,134	3.9	396	575	164	100.0	34.9	50.7	14.5
ns or more.....	1,025	4.0	325	529	172	100.0	31.7	51.6	16.8
More taxes:									
s income reporters <sup>1</sup> .....	1,049	4.7	381	497	171	100.0	36.3	47.4	16.3
es of income:									
est 20 percent.....	737	6.7	257	352	128	100.0	34.9	47.8	17.4
nd 20 percent.....	1,020	7.2	426	414	178	100.0	42.0	40.6	17.5
d 20 percent.....	960	5.1	410	399	171	100.0	41.8	40.7	17.4
th 20 percent.....	1,061	4.2	379	530	172	100.0	35.1	49.0	15.9
est 20 percent.....	1,425	3.4	430	788	206	100.0	30.2	55.3	14.5
te reporters of income.....	939	4.8	329	465	124	100.0	35.0	51.7	13.2

plete reporter is a consumer unit who provided values for at least one of the major sources of income.  
U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Interview Survey*, annual.

## NO. 140. HEALTH INSURANCE COVERAGE STATUS, BY SELECTED CHARACTERISTICS: 1985

[Data represents monthly averages for fourth quarter 1985. Government health insurance includes Medicare, Medicaid, and military plans. Based on Survey of Income and Program Participation; see text, p. 406. For composition of regions see fig. 1, inside front cover]

CHARACTERISTIC	NUMBER (mil.)						PERCENT				
	Total	Covered by private or Government health insurance				Not covered by health insurance	Total	Covered by private or Government health insurance			Not covered by health insurance
		Total <sup>1</sup>	Covered by private insurance		Covered by Medicaid			Total <sup>1</sup>	Private	Covered by Medicaid	
			Total	Related to employment <sup>2</sup>							
Total persons <sup>3</sup> .....	235.5	204.2	198.1	147.1	17.2	31.3	100.0	86.7	78.6	7.2	13.3
Male .....	114.2	97.5	87.5	73.2	6.4	16.7	100.0	85.4	76.6	6.6	14.6
Female .....	121.4	106.8	92.6	73.8	10.8	14.6	100.0	89.0	76.3	8.9	12.0
White .....	200.1	175.2	159.3	129.9	10.1	24.6	100.0	87.8	79.6	5.0	12.4
Black .....	28.5	23.0	15.9	13.2	6.2	5.5	100.0	60.7	55.7	21.6	18.3
Hispanic origin <sup>4</sup> .....	14.2	10.4	7.8	7.0	2.9	3.8	100.0	73.0	55.2	15.9	27.0
Under 18 years .....	55.8	47.0	39.3	34.6	7.2	6.6	100.0	84.5	70.8	13.0	15.5
18-24 years .....	34.8	27.2	24.4	19.0	2.6	7.4	100.0	78.8	70.7	7.5	21.4
25-34 years .....	41.4	34.6	32.1	29.1	2.2	6.8	100.0	83.6	77.5	5.4	18.4
35-44 years .....	32.1	26.6	28.8	24.4	1.3	3.5	100.0	89.1	83.4	4.1	10.9
45-54 years .....	22.5	20.2	18.9	16.6	.9	2.3	100.0	89.9	84.2	3.9	10.1
55-64 years .....	22.1	19.6	18.0	14.6	.8	2.6	100.0	88.5	81.3	3.7	11.5
65 years and over .....	27.2	27.1	20.5	8.7	2.1	.2	100.0	99.4	75.3	7.7	.6
Northeast .....	50.7	46.1	41.3	34.3	3.8	4.6	100.0	90.9	81.4	7.5	9.1
Midwest .....	60.8	54.2	48.5	39.1	4.7	6.6	100.0	89.2	79.6	7.7	10.9
South .....	79.8	68.8	58.5	47.7	5.0	12.9	100.0	83.8	73.3	6.3	16.2
West .....	44.2	37.0	31.8	25.9	3.7	7.2	100.0	83.7	71.9	8.3	16.3

<sup>1</sup> Includes other Government insurance, not shown separately.  
<sup>2</sup> Includes other Government insurance, not shown separately.

<sup>3</sup> Related to current or prior employment of self or other family members.  
<sup>4</sup> Includes other races, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 8 and unpublished data.

## NO. 141. PRIVATE HEALTH INSURANCE—PERSONS COVERED FOR SPECIFIED BENEFITS: 1960 TO 1985

[In millions, except percent. As of December 31. Beginning 1975, includes Puerto Rico and outlying areas. For persons covered under Federal Government programs, see tables 140, 575, and 578. See also *Historical Statistics, Colonial Times to 1970*, series B 401-412, for persons covered]

BENEFIT AND TYPE OF PLAN	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985
<b>Hospital expense:</b>											
Persons covered, net <sup>1</sup> .....	122.5	136.7	158.6	176.2	186.9	189.0	188.3	191.1	189.9	184.4	181.3
Percent of population covered <sup>2</sup> .....	85.8	72.4	78.7	82.1	82.5	82.5	81.3	81.7	80.4	77.4	75.4
Blue Cross-Blue Shield plans.....	58.1	63.3	75.1	86.4	86.1	85.7	85.8	82.0	79.6	79.4	78.7
Insurance companies, net <sup>1,4</sup> .....	69.2	77.6	89.7	89.5	105.3	107.3	108.4	112.7	109.6	103.1	100.4
Group policies <sup>5</sup> .....	54.4	65.4	80.5	87.2	95.2	99.1	105.4	107.0	106.3	102.9	98.5
Individual and family policies.....	22.2	24.4	26.7	30.1	34.6	34.1	25.6	29.9	22.7	20.4	21.2
Other plans <sup>6</sup> .....	8.0	7.0	3.1	13.1	25.5	33.2	40.3	48.2	53.6	54.1	55.1
<b>Surgical expense:</b>											
Persons covered, net <sup>1</sup> .....	111.5	130.5	151.4	169.0	177.1	178.2	178.9	180.3	179.1	(NA)	(NA)
Percent of population covered <sup>2</sup> .....	82.6	68.1	75.0	77.9	78.2	77.8	78.4	77.1	75.9	(NA)	(NA)
Blue Cross-Blue Shield plans.....	50.3	53.9	66.0	77.6	74.5	73.6	71.8	68.6	66.1	(NA)	(NA)
Insurance companies, net <sup>1,4</sup> .....	65.1	75.2	85.7	92.1	99.6	101.0	102.0	105.6	102.3	(NA)	(NA)
Group policies <sup>5</sup> .....	55.5	65.5	81.5	88.0	97.6	100.8	105.5	108.0	104.9	(NA)	(NA)
Individual and family policies.....	18.0	17.7	18.0	18.5	17.9	17.6	12.4	14.5	13.6	(NA)	(NA)
Other plans <sup>6</sup> .....	7.3	8.7	10.5	15.8	29.1	36.9	44.8	52.7	61.8	(NA)	(NA)
<b>Major medical expense:<sup>7</sup></b>											
Persons covered, net <sup>1</sup> .....	32.8	69.7	103.5	134.1	148.6	153.6	153.7	160.1	159.6	167.7	168.6
Blue Cross-Blue Shield plans.....	3.7	14.6	24.9	42.1	43.3	45.0	46.5	47.0	44.8	44.5	44.1
Insurance companies, net <sup>1,4</sup> .....	25.4	53.0	77.1	92.2	103.3	105.4	104.8	108.7	106.9	115.4	119.2
Group policies <sup>5</sup> .....	26.5	55.4	82.0	96.7	109.5	113.0	113.2	116.2	117.6	126.5	119.8
Individual and family policies.....	1.8	4.5	5.4	7.3	7.2	7.3	6.5	8.0	6.5	5.6	5.6
Other plans <sup>6</sup> .....	(NA)	(NA)	(NA)	(NA)	21.1	27.7	33.7	42.6	42.8	47.0	47.8
<b>Physician's expense:</b>											
Persons covered, net <sup>1</sup> .....	83.2	109.8	138.7	166.3	167.2	169.5	164.1	171.6	173.1	(NA)	(NA)
Percent of population covered <sup>2</sup> .....	46.7	57.2	68.7	77.6	73.8	74.0	70.6	73.4	73.3	(NA)	(NA)
<b>Dental expense:</b>											
Persons covered, net <sup>1</sup> .....	(NA)	(NA)	12.0	30.3	62.2	80.5	84.8	95.3	103.7	102.2	98.1
Percent of population covered <sup>2</sup> .....	(NA)	(NA)	5.9	14.0	27.5	35.1	36.6	40.8	43.9	42.9	41.1

NA Not available. <sup>1</sup> Duplication among persons protected by more than one kind of insuring organization or more than one insurance company policy providing the same type of coverage has been eliminated. <sup>2</sup> Based on Bureau of the Census estimated civilian population as of July. <sup>3</sup> Estimated. <sup>4</sup> Includes persons covered under administrative service only at minimum premium plans. <sup>5</sup> Includes self-insured plans, self-administered plans, plans employing third party administrators, or Health Maintenance Organizations. <sup>6</sup> Coverage provides protection against especially heavy medical bills resulting from "catastrophic" or prolonged illness and is used to supplement basic medical care insurance or as a comprehensive integral program providing both basic and major medical protection, including charges for private duty nursing, drugs, and medical appliances. Beginning 1983, covers only persons under age 65.

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, annual.

### NO. 142. HEALTH MAINTENANCE ORGANIZATIONS (HMO)—NUMBER AND ENROLLMENT, BY TYPE AND SIZE OF ORGANIZATION: 1976 TO 1986

[As of June 30, except as noted, Under the Health Maintenance Organization Act, an HMO must have four characteristics: (1) an organized system for providing health care in a geographic area, for which the HMO is responsible for providing or otherwise assuring its delivery; (2) an agreed upon set of basic and supplemental health maintenance and treatment services; (3) a voluntarily enrolled group of people; and (4) community rating. A group HMO contracts with one or more medical groups to provide services to members and generally provides all services except hospital care under one roof. Data for group model HMOs include staff model HMOs (a model in which the HMO hires its own physicians) and network HMOs (an HMO that provides comprehensive health services to members in two or more distinct geographic areas. Individual practice association (IPA) HMO contracts with a physician organization that in turn contracts with individual physicians. IPA physicians provide care to HMO members from their private offices and continue to see their fee-for-service patients)]

TYPE OF PRACTICE AND SIZE	1976	1977	1978	1979	1980	1981	1982	1983	1984 (Dec.)	1985	1986
<b>NUMBER OF PLANS</b>											
Total	178	185	203	218	238	243	265	280	287	289	285
Group	134	125	133	138	139	153	165	181	185	212	250
IPA	41	40	70	79	97	90	97	99	142	181	345
Less than 15,000 members	128	108	127	135	144	131	122	137	143	171	315
15,000-24,999 members	18	18	37	34	36	41	48	42	45	56	83
25,000-49,999 members	12	13	18	25	28	39	46	61	78	79	107
50,000-99,999 members	7	4	5	7	15	15	13	19	40	51	87
100,000 members or more	10	11	12	14	13	17	18	21	31	36	47
<b>ENROLLMENT (1,000)</b>											
Total	6,016	6,331	7,471	8,228	9,100	10,386	10,631	12,401	16,743	18,888	22,684
Group	5,627	5,917	6,420	6,942	7,406	8,681	9,361	10,602	13,075	14,247	15,210
IPA	390	413	1,051	1,284	1,694	1,582	1,471	1,899	3,667	4,646	6,454
Less than 15,000 members	620	580	703	733	870	838	639	874	975	1,020	1,514
15,000-24,999 members	287	305	725	583	732	799	918	842	857	1,101	1,220
25,000-49,999 members	365	415	548	827	907	1,306	1,561	2,082	2,899	2,813	3,791
50,000-99,999 members	525	308	389	430	878	1,036	652	1,257	2,577	3,315	4,828
100,000 members or more	4,210	4,495	5,095	5,553	5,815	6,289	6,680	7,455	9,825	10,646	12,311

Source: Group Health Association of America, Inc., Washington, DC, releases, and Interstudy, Excelsior, MN, *National HMO Census* (copyright).

### NO. 143. PHYSICIANS, DENTISTS, AND NURSES: 1960 TO 1986

[Physicians, dentists, and nurses as of end of year. Data for physicians include Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series B 275-290]

ITEM	Unit	1960	1976	1978	1979	1980	1981	1982	1983	1984	1986
Physicians, number <sup>1</sup>	1,000	276	348	408	472	487	585	823	842	(NA)	877
Rate per 100,000 population <sup>2</sup>	Rate	151	188	187	207	211	217	222	228	(NA)	237
Doctors of medicine <sup>3</sup>	1,000	260	334	394	455	468	485	502	520	(NA)	553
Active non-Federal <sup>4</sup>	1,000	230	281	312	375	397	411	430	447	(NA)	478
Rate per 100,000 population <sup>2</sup>	Rate	126	137	143	165	172	177	184	190	(NA)	201
Active foreign medical school graduates <sup>5</sup>	1,000	(NA)	54	(NA)	80	82	80	96	100	(NA)	105
Doctors of osteopathy	1,000	14	14	15	18	19	20	21	22	23	24
Medical and osteopathic schools <sup>6</sup>	Number	91	107	123	136	140	142	142	142	142	142
Students <sup>7</sup>	1,000	32.0	39.7	57.2	86.5	70.1	71.8	72.6	73.5	73.6	(NA)
Graduates <sup>7</sup>	1,000	7.5	8.8	13.4	16.0	16.2	16.8	17.0	17.1	17.8	17.8
Newly licensed physicians, total <sup>8</sup>	1,000	8.0	11.0	16.9	19.8	18.2	18.8	17.6	20.6	18.3	(NA)
Percent of total active M.D.'s	Percent	(NA)	3.5	4.8	4.8	4.2	4.2	4.1	4.3	(NA)	(NA)
Graduates of—											
U.S. and Canadian medical schools	1,000	6.6	8.0	10.9	16.3	14.9	15.7	13.4	15.8	14.2	(NA)
Foreign medical schools	1,000	1.4	3.0	6.0	3.8	3.3	3.1	4.2	4.8	4.1	(NA)
Percent of total newly licensed	Percent	17.7	27.3	35.4	17.9	18.2	16.6	23.8	23.1	22.3	(NA)
Dentists, number	1,000	185	118	127	138	141	144	147	188	183	198
Active (exc. in Federal service)	1,000	85	98	107	118	121	124	127	130	133	136
Rate per 100,000 population <sup>2</sup>	Rate	47	47	50	53	54	54	55	56	57	57
Dental schools <sup>9</sup>	Number	47	53	58	60	60	60	60	60	60	60
Students <sup>10</sup>	1,000	13.8	16.0	20.1	22.2	22.5	22.6	22.2	21.4	20.6	19.6
Graduates <sup>10</sup>	1,000	3.3	3.7	5.0	5.4	5.3	5.6	5.4	5.8	5.3	5.4
Nurses, number (active registered)	1,000	527	750	861	1,200	1,279	1,327	1,380	1,438	1,488	1,531
Rate per 100,000 population <sup>2</sup>	Rate	293	368	446	534	580	576	585	615	629	641
Nursing programs <sup>11</sup>	Number	1,128	1,340	1,362	1,374	1,385	1,401	1,432	1,466	1,477	1,473
Students <sup>12</sup>	1,000	118	163	248	235	231	235	242	251	237	218
Graduates <sup>12</sup>	1,000	30	46	77	77	76	74	74	77	80	82

NA Not available. <sup>1</sup> Includes not classified, inactive, and Federal physicians. <sup>2</sup> Based on Bureau of the Census resident population estimates as of July 1. <sup>3</sup> Excludes non-Federal physicians with temporary foreign addresses; see headnote, table 144. <sup>4</sup> Excludes nonclassified physicians. <sup>5</sup> Based on Bureau of the Census civilian population estimates as of July 1.

<sup>6</sup> Foreign medical graduates exclude graduates of Canadian schools. <sup>7</sup> Based on data from annual surveys conducted by the Association of American Medical Colleges and the American Association of Colleges of Osteopathic Medicine. <sup>8</sup> Source: American Medical Association, Chicago, IL, *U.S. Medical Licensure Statistics, 1984 and License Requirements, 1985*, and *Physician Characteristics and Distribution in the U.S.*, annual (Copyright). <sup>9</sup> Based on data from the American Dental Association, Council on Dental Education, *Annual Report on Dental Education*. <sup>10</sup> Number of programs and students are as of October 15 and number of graduates are for academic year ending in year shown; from National League for Nursing, *NLN Data Book*, annual issues.

Source: Except as noted, U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data. Prior to 1979, data were published by U.S. National Center for Health Statistics in *Health Resources Statistics*, annual.



## No. 144. PHYSICIANS, BY TYPE OF PRACTICE: 1970 TO 1985

[As of December 31. Includes Puerto Rico and outlying areas. Excludes 4,148 non-Federal physicians with temporary foreign addresses in 1970, 5,559 in 1975, 6,180 in 1979, 6,755 in 1980, 6,259 in 1981, 174 in 1982, 7,039 in 1983, and 7,514 in 1985]

TYPE OF PRACTICE	NUMBER (1,000)								PERCENT DISTRIBUTION			
	1970	1975	1979	1980	1981	1982	1983	1985	1970	1975	1980	1985
All physicians.....	346.3	408.0	472.4	486.5	504.7	522.5	541.1	578.7	100	100	100	100
Doctors of medicine <sup>1</sup> .....	334.0	393.7	464.8	487.7	498.1	502.0	519.5	552.7	96	96	98	97
Active M.D.'s.....	311.2	366.4	417.3	435.5	444.9	452.9	479.4	511.0	89	90	90	88
Non-Federal <sup>2</sup> .....	301.3	359.7	427.1	443.5	460.1	479.2	496.9	528.2	87	89	91	91
Patient care.....	255.0	287.8	341.5	361.9	373.6	393.3	408.1	431.6	73	70	74	74
Office based <sup>3</sup> .....	188.9	213.3	248.9	271.2	286.5	297.5	308.3	329.0	54	52	56	56
General practice <sup>4</sup> .....	50.8	48.3	46.7	47.7	49.4	50.4	51.4	53.9	12	11	10	10
Specialty.....	138.1	167.0	202.2	223.5	237.1	247.1	257.0	275.2	40	41	46	46
Training programs.....	45.8	53.5	61.4	59.8	60.5	66.7	70.6	72.2	13	13	12	12
Full-time hospital staff.....	20.3	21.0	31.1	31.0	28.6	28.1	29.2	30.3	6	5	6	5
Other professional activity.....	26.3	24.3	33.7	35.2	37.9	38.6	39.3	44.0	8	8	7	7
Retired, not in practice.....	19.6	21.4	28.3	25.7	35.0	35.7	36.9	38.6	6	6	6	6
Federal.....	29.5	29.2	18.5	17.8	19.8	19.5	18.4	21.6	8	7	4	4
Patient care <sup>5</sup> .....	23.5	24.1	15.3	14.6	15.7	15.4	15.3	17.8	7	6	3	3
Full-time hospital staff.....	14.6	17.7	11.8	11.4	11.4	11.4	11.1	12.9	4	4	2	2
Other professional activity.....	6.0	4.1	3.2	3.2	4.1	4.1	4.0	4.3	2	1	1	1
Doctors of osteopathy <sup>6</sup> .....	14.3	15.4	18.0	18.8	19.8	20.5	21.6	24.0	4	4	4	4

<sup>1</sup> Includes physicians with unknown addresses; not shown separately. <sup>2</sup> Includes physicians not classified. <sup>3</sup> Covers physicians rendering patient care (or patient services by pathologists) in solo, partnership, group practice, or other arrangements and those in industry, insurance companies, health plans, laboratories, etc.

<sup>4</sup> Includes family practice. <sup>5</sup> Includes Federal physicians in office-based practice and training programs. <sup>6</sup> Source: American Osteopathic Association, Chicago, IL.

Source: Except as noted, 1970 and 1975, U.S. National Center for Health Statistics, *Health Resources Statistics*, series beginning 1970, American Medical Association, Chicago, IL, *Physician Distribution and Medical Licensure in the U.S.*, 197 (copyright), and *Physician Characteristics and Distribution in the U.S.*, annual (copyright).

## No. 145. NON-FEDERAL PHYSICIANS, 1980 AND 1985, AND DENTISTS, 1984—STATES

[As of Dec. 31. Excludes doctors of osteopathy, Federal physicians and dentists, and physicians with addresses unknown. Includes all physicians not classified according to activity status. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	ACTIVE PHYSICIANS				ACTIVE DENTISTS, <sup>2</sup> 1984		DIVISION AND STATE	ACTIVE PHYSICIANS				ACTIVE DENTISTS, <sup>2</sup> 1984	
	Total		Rate <sup>1</sup>		Total	Rate <sup>1</sup>		Total		Rate <sup>1</sup>		Total	Rate <sup>1</sup>
	1980	1985	1980	1985				1980	1985	1980	1985		
U.S.....	413,092	463,905	184	204	132,766	67	S. Atl.....	65,907	79,903	180	201	16,786	
Region:							DE.....	949	1,169	161	186	284	
Northeast.....	112,382	130,226	229	262	33,675	68	MD.....	11,210	13,680	269	315	2,695	
Midwest.....	94,444	106,563	181	180	34,061	58	DC.....	3,474	3,547	551	573	568	
South.....	119,770	145,341	114	179	36,470	46	VA.....	9,154	11,075	176	200	2,006	
West.....	87,096	101,775	204	215	28,544	62	WV.....	2,610	3,122	134	161	659	
N. Eng.....	29,538	34,240	340	271	6,967	99	NC.....	8,874	10,489	153	171	2,549	
ME.....	1,580	1,966	151	170	505	49	SC.....	4,129	4,912	135	149	1,395	
NH.....	1,480	1,613	162	163	541	56	GA.....	7,728	9,614	143	163	2,482	
VT.....	1,067	1,276	213	239	330	62	FL.....	17,479	22,295	181	196	4,927	
MA.....	15,564	18,079	272	311	4,319	75	E. So. Cent.....	18,509	22,982	134	153	6,806	
RI.....	1,968	2,206	211	229	512	54	KY.....	4,820	5,840	133	153	1,863	
CT.....	7,730	8,900	250	282	2,400	75	TN.....	7,169	8,492	157	179	2,510	
Mid. Atl.....	82,843	95,986	226	258	35,096	67	AL.....	4,656	5,769	125	144	1,560	
NY.....	46,808	52,971	267	296	12,963	73	MS.....	2,664	3,061	107	119	668	
NJ.....	13,937	17,112	190	227	5,061	66	W. So. Cent.....	34,854	42,456	147	182	10,519	
PA.....	22,096	25,903	166	219	6,984	59	AR.....	2,772	3,274	122	140	693	
E. No. Cent.....	67,463	78,124	182	189	29,873	58	LA.....	8,501	7,936	156	176	1,846	
OH.....	17,456	20,005	182	186	5,843	54	OK.....	3,850	4,563	126	140	1,408	
IN.....	7,022	8,002	126	146	2,557	47	TX.....	21,531	26,683	153	184	6,788	
IL.....	20,885	23,582	183	205	6,683	66	Mt.....	18,497	21,984	164	173	6,951	
MI.....	14,826	16,179	156	176	5,583	62	MT.....	1,040	1,148	133	140	517	
WI.....	7,462	8,358	159	175	3,207	67	ID.....	1,007	1,202	107	120	539	
W. No. Cent.....	26,991	30,439	156	174	10,189	69	WY.....	530	665	114	130	293	
MN.....	7,716	8,658	189	207	2,659	69	CO.....	5,664	6,373	199	200	2,025	
IA.....	3,657	3,999	126	139	1,643	57	NM.....	1,972	2,379	153	186	665	
MO.....	7,879	9,244	163	184	2,677	54	AZ.....	4,814	5,912	179	187	1,361	
ND.....	884	1,071	138	159	351	52	UT.....	2,373	2,844	163	174	1,054	
SD.....	766	927	112	132	365	52	NV.....	1,097	1,471	139	159	408	
NE.....	2,319	2,539	149	159	1,075	66	Pac.....	68,599	79,791	219	231	21,993	
KS.....	3,668	4,001	157	165	1,219	50	WA.....	7,381	8,773	181	202	2,993	
							OR.....	4,760	5,201	181	194	1,989	
							CA.....	54,082	63,009	231	242	15,829	
							AK.....	491	658	130	132	276	
							HI.....	1,885	2,150	208	215	699	

<sup>1</sup> Per 100,000 civilian population. Based on U.S. Bureau of the Census estimates as of April 1 for 1980, and as of July 1 for other years. <sup>2</sup> Based on data supplied by American Dental Association.

Source: American Medical Association, Chicago, IL, *Physician Characteristics and Distribution in the U.S.*, annual (copyright); U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data.



## NO. 146. PHYSICIANS, BY SEX, SPECIALTY, AND MAJOR PROFESSIONAL ACTIVITY: 1970 TO 1985

(In thousands, except percent. As of December 31. Includes Puerto Rico and outlying areas)

SPECIALTY	1970		1975, total	1980, total	1985						Other professional <sup>2</sup>
	Total	Per-cent			Total		Patient care				
					Num-ber	Per-cent	Total	Of-lice-based	Hospital-based Full-time	Resi-dents <sup>1</sup>	
Total <sup>3</sup>	* 334.0	100.0	* 393.7	* 467.7	* 563.7	100.0	448.8	330.2	43.2	75.4	46.3
Male	(NA)	(NA)	* 356.1	* 413.4	* 472.0	85.4	384.4	293.7	36.1	56.8	40.8
Female	(NA)	(NA)	* 35.6	* 54.3	* 90.7	14.6	64.4	36.5	8.1	19.8	7.5
General practice	57.9	17.3	54.6	60.0	67.1	12.1	65.1	54.3	3.8	6.9	2.0
Internal medicine	41.9	12.5	54.3	71.5	90.4	16.4	78.8	52.9	6.7	19.2	11.6
Pediatrics	17.9	5.4	21.7	28.3	35.6	6.4	31.8	22.5	3.0	6.3	3.8
General surgery	29.8	8.9	31.6	34.0	38.2	6.9	38.4	24.8	2.5	9.1	1.8
Gynecology, obstetrics	18.9	5.7	21.7	26.3	30.8	5.6	29.7	23.5	1.5	4.6	1.2
Orthopedic surgery	9.6	2.9	11.4	14.0	17.2	3.1	16.8	13.0	.8	2.8	.5
Ophthalmology	9.9	3.0	11.1	13.0	14.9	2.7	14.2	12.2	.5	1.5	.7
Psychiatry	21.1	6.3	23.9	27.5	32.3	5.8	28.9	18.6	5.8	4.6	3.3
Anesthesiology	10.1	3.0	12.9	16.0	22.0	4.0	20.8	5.3	2.0	3.5	1.2
Pathology	10.3	3.1	11.7	13.4	15.5	2.8	12.4	6.9	3.1	2.4	3.1
Radiology	10.5	3.1	11.5	11.7	10.1	1.8	9.3	7.4	1.6	.3	.8

NA Not available. <sup>1</sup> Includes interns. <sup>2</sup> Medical teaching, administration, research, and other. <sup>3</sup> Includes other specialties not shown separately. <sup>4</sup> Includes physicians who are inactive, not classified, or with address unknown.

Source: American Medical Association, Chicago, Ill., *Distribution of Physicians in the United States, 1970, Physician Distribution and Medical Licensure in the U.S., 1975*, and, beginning 1980, *Physician Characteristics and Distribution in the U.S.*, annual copyright.

## NO. 147. PHYSICIAN AND DENTAL VISITS BY PATIENT CHARACTERISTICS: 1970 TO 1985

(See footnote, table 188. Based on National Health Interview Survey, see Appendix III)

TYPE OF VISIT AND YEAR	TOTAL VISITS (mil.)				VISITS PER PERSON									
	Sex		Race <sup>1</sup>		Sex		Race <sup>1</sup>		Age (years)					
	Male	Female	White	Black	Male	Female	White	Black	Under 5	5 to 16	17 to 24	25 to 44	45 to 64	65 and over
Physicians:														
1970	306	531	832	87	4.1	5.1	4.8	3.9	5.9	2.9	4.6	4.6	5.2	6.3
1975	435	621	929	116	4.3	5.7	5.1	4.7	6.5	3.2	4.8	5.1	5.8	6.6
1980	426	610	903	115	4.0	5.4	4.8	4.5	6.7	3.2	4.0	4.8	5.1	6.4
1983	470	684	1,018	126	4.3	5.6	5.2	4.8	6.5	3.2	4.0	4.7	5.8	7.6
1984	472	701	1,027	126	4.2	5.9	5.2	4.6	6.1	3.1	4.1	4.7	5.7	8.2
1985	498	733	1,074	132	4.4	6.1	5.4	4.7	6.3	3.1	4.2	4.9	6.1	8.3
Dentists:														
1970	133	171	263	17	1.4	1.7	1.6	.8	.5	1.9	1.6	1.7	1.5	1.1
1975	153	186	313	23	1.5	1.7	1.7	1.0	.6	2.0	1.6	1.7	1.6	1.2
1980	158	207	333	26	1.5	1.8	1.8	1.0	.5	2.3	1.6	1.7	1.6	1.4
1983	183	236	382	31	1.6	2.0	1.9	1.1	.5	2.6	1.6	1.9	2.0	1.5

<sup>1</sup> See footnote 2, table 188.Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

## NO. 148. DIAGNOSTIC SERVICES ORDERED OR PROVIDED DURING OFFICE VISITS, BY SEX OF PATIENT: 1985

(For 12 months ending February 1986. Based on the National Ambulatory Medical Care Survey and subject to sampling variability; see source for details)

DIAGNOSTIC SERVICE	Num-ber of visits (1,000)	PERCENT BY SEX OF PATIENT			DIAGNOSTIC SERVICE	Num-ber of visits (1,000)	PERCENT BY SEX OF PATIENT		
		Total	Male	Fe-male			Total	Male	Fe-male
All visits	636,386	100.0	100.0	100.0	Pap test	29,549	4.5	(x)	7.4
None	229,970	36.1	42.0	32.4	Other lab test	53,514	8.4	7.7	8.9
Breast exam	43,170	6.8	.3	11.0	Blood pressure check	245,886	38.6	31.8	43.0
Rectal exam	54,854	8.6	(x)	14.2	Electrocardiogram	20,288	3.2	4.1	2.8
Visual acuity	34,191	5.4	4.6	5.7	Chest X-ray	17,549	2.8	3.3	2.4
Urinalysis	40,945	6.4	6.6	6.1	Other radiology	37,608	5.9	6.3	5.7
Hematology	86,009	13.6	10.4	16.0	Ultrasound	5,986	.9	.5	1.2
Blood chemistry	56,983	9.3	6.0	10.1	Glucose test	84,249	13.2	9.6	15.7
	43,813	6.9	7.3	6.7	Other	67,778	10.7	10.3	10.9

x Not applicable.

Source: U.S. National Center for Health Statistics, *1985 Summary: National Ambulatory Medical Care Survey, Advance Data from Vital and Health Statistics*, No. 128, January 1987.

## NO. 149. PHYSICIANS' MEDIAN EARNINGS FROM PRACTICE: 1975 TO 1985

(In thousands of dollars. *Unincorporated*: Net earnings from practice represent residual after payment of tax-deductible professional expenses but before payment of income taxes. Covers office-based, patient-care doctors of medicine (M.D.) *Incorporated*: Applies to office-based, patient-care M.D.'s who are shareholders of a medical corporation. Earnings include all bonuses (if any), and funds set aside by corporation for individual's retirement. Based on random sampling of office-based M.D.'s. 1985 data are based on 10,645 returned questionnaires from M.D.'s (35.2 percent of those mailed in 1985). For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series D 916 for physicians' earnings.)

YEAR, REGION, AND DIVISION	Gross earnings	NET EARNINGS			LOCATION OF M.D.'S OFFICE, YEARS IN PRACTICE, AND TYPE OF PRACTICE	Gross earnings	Unincorporated
		Total	Incorporated	Unincorporated			
1975.....	(NA)	56.4	76.3	47.5	1985—Con.		
1980.....	132.2	63.7	95.1	63.8	Urban.....	179.3	1
1981.....	141.4	66.2	99.7	67.1	Suburban.....	168.6	1
1982.....	155.6	93.3	105.6	69.6	Rural.....	174.3	
1983.....	157.5	94.6	109.1	71.0			
1984.....	181.3	102.0	119.0	78.8	1-2 years.....	120.6	
1985.....	182.3	102.5	120.1	79.9	3-5 years.....	170.8	
Northeast.....	170.3	97.9	120.7	78.4	6-10 years.....	199.6	1
New England.....	156.0	91.7	120.8	70.8	11-20 years.....	211.5	1
Middle Atlantic.....	175.0	100.7	120.6	82.0	21-30 years.....	190.8	1
Midwest.....	179.4	103.9	120.4	83.1	31 years or more.....	141.5	
East North Central.....	182.5	105.8	124.7	82.8			
West North Central.....	170.0	96.3	108.3	(8)	Incorporated: Solo.....	217.6	1
South.....	193.4	107.6	123.1	79.5	2 shareholders.....	235.0	1
South Atlantic.....	186.0	105.7	122.5	78.8	3 shareholders.....	216.2	1
East South Central.....	190.0	107.5	122.5	(8)	4 or more shareholders.....	215.4	1
West South Central.....	206.5	111.6	125.0	83.3	Unincorporated: Solo.....	130.0	
West.....	180.5	98.7	113.3	75.9	Expense-sharing.....	140.0	
Mountain.....	198.3	120.2	125.0	(8)	2 or 3 partners.....	147.5	
Pacific.....	171.5	93.9	106.3	71.4	4 or more partners.....	181.7	1

B Base figure too small to meet statistical standards for reliability of derived figure. NA Not available.

## NO. 150. OFFICE-BASED PHYSICIANS' MEDIAN EARNINGS FROM PRACTICE, BY SPECIALTY: 1985

(See headnote, table 149. Total includes specialties not shown separately. D.O. means Doctor of Osteopathy.)

SPECIALTY	Gross earnings (\$1,000)	Net earnings (\$1,000)	NET EARNINGS FROM PRACTICE—PERCENT DISTRIBUTION						
			Less than \$40,000	\$40,000–\$69,999	\$70,000–\$99,999	\$100,000–\$124,999	\$125,000–\$149,999	\$150,000–\$199,999	\$200,000 or more
M.D.'s total.....	182.3	182.5	7	18	22	17	10	12	
Anesthesiologists.....	167.5	134.2	1	6	15	20	20	20	
D.O.—G.P.'s.....	148.0	74.0	16	30	30	11	6	5	
Family practitioners.....	166.3	76.5	11	30	36	14	4	3	
General practitioners.....	141.1	71.5	17	30	30	11	4	5	
General surgeons.....	204.4	120.6	5	11	20	19	10	18	
Internists.....	184.7	89.6	8	25	22	20	10	8	
Neurosurgeons.....	184.7	192.7	3	4	7	12	10	17	
Obstetrician-gynecologists.....	244.0	121.4	5	11	16	21	16	15	
Orthopedic surgeons.....	334.6	166.6	1	3	8	15	14	22	
Pediatricians.....	146.3	79.1	12	25	37	15	7	3	
Plastic surgeons.....	319.6	155.2	5	7	11	11	14	19	
Psychiatrists.....	112.8	60.4	10	27	35	14	7	4	
Radiologists.....	206.3	150.0	3	3	13	11	16	25	
Thoracic surgeons.....	254.7	151.6	4	9	14	13	10	17	

Source of tables 149 and 150: Medical Economics Company, Oradell, NJ, *Medical Economics*. (Copyright © by the Economics Company; further reproduction prohibited without written permission of copyright owner.)

## NO. 151. PHYSICIAN EXPENSES AND MALPRACTICE INSURANCE PREMIUMS, BY SELECTED SPECIALTY: 1982 AND 1984

(Based on reports from the American Medical Association's Profile of Medical Practice and Socioeconomic Monitoring System (SMP). For physicians who are self-employed.)

TYPE OF EXPENSE	TOTAL PHYSICIANS <sup>1</sup>		GENERAL PRACTICE <sup>2</sup>		INTERNAL MEDICINE		SURGERY		PEDIATRICS		OBSTETRIC GYN/OB/GYN	
	1982	1984	1982	1984	1982	1984	1982	1984	1982	1984	1982	1984
Average expense as a percent of total expenses—												
Nonphysician payroll.....	36	33	42	35	36	36	37	33	39	37	43	43
Office expenses.....	22	26	25	26	25	25	21	25	26	30	29	29
Medical supplies.....	10	11	15	16	10	13	8	11	12	13	8	8
Malpractice insurance.....	7	9	6	5	5	5	9	10	4	5	10	10
Medical equipment.....	6	8	6	6	7	5	7	7	4	5	7	7
Malpractice insurance premiums.....	\$5,600	\$6,400	\$3,500	\$4,600	\$3,700	\$4,900	\$6,900	\$13,400	\$2,900	\$3,600	\$10,800	\$10,800

<sup>1</sup> Includes types of physicians, not shown separately. <sup>2</sup> Includes family practice.

Source: U.S. General Accounting Office, *Medical Malpractice Insurance Costs Increased but Varied Among Physicians' Hospitals*, GAO/HRD-85-112, September 1985.

## 152. HOSPITALS AND NURSING HOMES—SUMMARY CHARACTERISTICS: 1971 TO 1986

[Except as indicated, based on National Master Facility Inventory]

NAME AND TYPE OF FACILITY	Total	FACILITIES UNDER—			FACILITIES WITH—			Resi- dents <sup>1</sup> (1,000)	Full- time em- ployees (1,000)
		Govt. control	Pro- prietary control	Non- profit control	Less than 25 beds <sup>1</sup>	25-74 beds	75 or more beds		
Hospitals	29,662	4,176	18,001	7,413	6,902	10,956	9,821	2,262	3,007
Nursing homes <sup>2</sup>	22,004	1,366	17,049	3,587	6,266	8,259	5,479	1,076	666
State	7,678	2,810	1,042	3,826	636	2,700	4,342	1,186	2,439
Private	30,118	3,496	16,811	7,007	6,852	6,573	12,691	2,427	3,919
Nursing homes <sup>2</sup>	23,085	836	18,669	3,480	8,498	6,362	8,205	1,366	798
State	7,051	2,562	942	3,547	354	2,211	4,486	1,031	3,121
Private	8,966	2,291	1,115	3,560	290	2,135	4,561	900	3,217
Long-term care	6,018	1,931	801	3,286	257	1,852	3,906	714	2,653
Intermediate	572	270	200	102	12	134	426	143	250
Skilled nursing	39	24	4	11	—	6	33	11	18
Subacute	7	6	—	1	—	1	6	1	2
Nursing homes <sup>2</sup>	26,846	1,045	20,223	4,378	6,613	6,605	9,426	1,563	(NA)

NA: Not available. <sup>1</sup> For hospitals, minimum of 8 beds; for nursing homes, minimum of 3 beds. <sup>2</sup> Residents as of date of interview. <sup>3</sup> See footnote 1, table 161. <sup>4</sup> Includes 1978 data for Alaska and South Dakota hospital-based nursing homes; 1986 data based on the 1986 Inventory of Long-Term Care Places. Data not comparable with previous year data. <sup>5</sup> Estimated. <sup>6</sup> Includes types not shown below.

Source: National Center for Health Statistics, *Health Resources Statistics, 1971*, and unpublished data.

## NO. 153. HOSPITAL USE RATES, BY TYPE OF HOSPITAL: 1970 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series B 364-367]

TYPE OF HOSPITAL	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Short-term <sup>1</sup>										
per 1,000 population <sup>2</sup>	140	156	156	157	159	159	157	155	149	141
per bed	34	35	35	36	36	36	36	35	35	35
length of stay <sup>3</sup> (days)	8.2	7.7	7.6	7.6	7.6	7.6	7.6	7.5	7.3	7.1
days per admission	4.5	5.9	6.0	5.8	5.7	5.7	5.9	5.9	6.1	6.6
days per 1,000 population <sup>2</sup>	641	611	630	608	613	601	1,084	615	617	636
inpatient (million)	(NA)	16.7	17.2	18.3	18.6	19.2	19.6	19.9	19.9	20.2
per admission	(NA)	.5	.5	.5	.5	.5	.5	.5	.6	.6
Long-term <sup>1</sup>										
per 1,000 population <sup>2</sup>	3.3	3.2	2.9	2.8	2.6	2.7	2.6	2.4	2.4	2.5
inpatient per 1,000 population <sup>2</sup>	662	490	345	334	328	304	274	234	224	224

NA: Not available. <sup>1</sup> General and special; excludes psychiatric and tuberculosis. Short-term hospitals have an average length of stay of less than 30 days. <sup>2</sup> Based on Bureau of the Census estimated resident population as of July 1. <sup>3</sup> Inpatient days divided by number of admissions.

Source: American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

## HOSPITAL UTILIZATION RATES, BY SEX, 1970 TO 1985, AND SELECTED CHARACTERISTICS, 1985

Estimates of inpatients discharged from noninstitutional, short-stay hospitals, exclusive of Federal hospitals. Excludes data on sample data collected from the National Hospital Discharge Survey, a sample survey of hospital records of discharges in year shown; subject to sampling variability. For composition of regions, see fig. 1, inside front cover.

CHARACTERISTIC	Patients dis- charged (1,000)	PATIENTS DISCHARGED PER 1,000 PERSONS <sup>1</sup>			DAYS OF CARE PER 1,000 PERSONS <sup>1</sup>			AVERAGE STAY (days)			Beds used per day <sup>2</sup>
		Total	Male	Female	Total	Male	Female	Total	Male	Female	
All	29,127	144	118	169	1,122	992	1,251	8.0	6.7	7.8	321
White	37,632	168	139	194	1,217	1,068	1,356	7.3	7.7	7.0	337
Black	38,783	167	136	193	1,156	1,024	1,278	6.9	7.4	6.6	316
Hispanic	37,162	159	132	184	1,044	924	1,155	6.6	7.0	6.3	286
Age	36,066	146	124	171	964	846	1,083	6.5	6.9	6.2	281
Under 15	787	210	234	165	1,381	1,477	1,300	6.6	6.3	7.0	361
15-64	921	64	74	54	226	246	206	3.5	3.3	3.8	62
65+	1,264	37	41	34	151	174	127	4.1	4.3	3.8	41
Sex	4,521	117	90	173	488	344	631	4.2	5.7	3.7	134
Male	5,821	141	75	205	664	488	855	4.7	6.3	4.2	182
Female	3,624	115	96	133	667	591	738	5.8	6.2	5.5	183
Ethnic	7,810	170	178	163	1,183	1,220	1,168	7.0	6.9	7.1	327
White	5,011	295	320	275	2,418	2,577	2,293	8.2	8.1	8.3	662
Black	5,497	477	526	449	4,369	4,672	4,236	9.2	8.8	9.4	1,203
Hispanic	7,166	144	126	160	1,116	1,009	1,213	7.7	8.0	7.6	306
Age	9,111	154	130	177	1,042	942	1,136	6.6	7.2	6.4	285
Under 15	12,274	152	124	177	912	795	1,020	6.0	6.4	5.8	250
15-64	6,502	138	111	163	746	680	834	5.4	5.8	5.1	206
65+	23,984	101	84	117	673	595	747	6.7	7.1	6.4	184
Sex	7,776	33	26	36	184	174	212	5.9	6.3	5.6	53
Male	3,296	14	12	16	66	60	95	6.3	6.7	6.0	24

Bureau of the Census estimated civilian population as of July 1. <sup>2</sup> Average daily number of beds occupied per inpatient.

Source: National Center for Health Statistics, *Vital Health Statistics*, series 13, and unpublished data.

# **No. 155. HOSPITALS—SUMMARY CHARACTERISTICS, BY TYPE OF SERVICE AND CONTROL 1960 TO 1985**

[Covers hospitals accepted for registration by American Hospital Association; see text, section 3. Short-term hospitals have average patient stay of less than 30 days; long-term, an average stay of longer duration. Special hospitals include obstetrics, gynecology; eye, ear, nose, and throat; rehabilitation; orthopedic; and chronic and other special hospitals except psychiatric, tuberculosis, alcoholism, and chemical dependency hospitals. See also *Historical Statistics, Colonial Times to 1970*, series 305-318, B 331-344, and B 413-422]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985
<b>Number:</b>										
All hospitals	6,875	7,123	7,156	6,988	6,965	6,833	6,915	6,868	6,872	6,872
With 100 beds or more	2,903	3,486	3,691	3,749	3,755	3,804	3,807	3,812	3,808	3,808
Non-Federal	6,441	6,715	6,774	6,627	6,606	6,565	6,569	6,546	6,531	6,531
Short-term general and special	5,407	5,652	5,979	5,923	5,904	5,879	5,863	5,843	5,814	5,814
Nongovernmental nonprofit	3,291	3,386	3,364	3,350	3,339	3,356	3,354	3,363	3,366	3,366
For profit	855	766	775	727	730	729	748	757	766	766
State and local government	1,280	1,704	1,640	1,848	1,835	1,794	1,781	1,723	1,862	1,862
Long-term general and special	308	236	215	188	157	148	138	131	131	131
Psychiatric	488	519	544	527	534	549	566	579	579	579
Tuberculosis	238	101	36	12	11	11	10	8	7	7
Federal	435	408	382	361	359	348	346	342	341	341
<b>Beds (1,000):</b>										
All hospitals	1,658	1,816	1,486	1,372	1,365	1,362	1,360	1,350	1,339	1,339
Rate per 1,000 population <sup>1</sup>	9.3	7.9	8.8	8.1	8.0	8.0	5.9	5.8	5.7	5.7
Beds per hospital	241	227	206	198	196	196	197	196	195	195
Non-Federal	1,481	1,456	1,334	1,256	1,246	1,246	1,246	1,237	1,226	1,226
Short-term general and special	639	848	947	982	982	1,007	1,015	1,021	1,020	1,020
Rate per 1,000 population <sup>1</sup>	3.6	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3
Nongovernmental nonprofit	445	592	659	690	693	708	712	715	717	717
For profit	37	53	73	83	87	88	91	100	100	100
State and local government	158	204	215	214	212	213	212	209	203	203
Long-term general and special	67	60	51	40	39	36	34	30	30	30
Psychiatric	722	527	330	224	215	202	196	185	175	175
Tuberculosis	52	20	6	2	2	2	1	1	1	1
Federal	177	161	132	117	117	116	114	113	112	112
<b>Occupancy rate:<sup>2</sup></b>										
All hospitals	84.8	80.3	79.7	76.1	77.7	77.8	77.4	76.1	72.6	72.6
Non-Federal	NA	NA	78.3	75.9	77.4	77.8	77.2	75.7	71.9	71.9
Short-term general and special	74.7	78.0	74.8	73.8	75.4	75.9	75.2	73.4	69.9	69.9
Nongovernmental nonprofit	75.6	80.1	77.4	76.5	78.2	78.5	77.8	75.8	71.4	71.4
For profit	65.4	72.2	65.9	63.9	65.2	66.4	65.5	63.1	57.0	57.0
State and local government	71.6	73.2	69.7	69.1	70.7	71.2	70.7	70.0	65.9	65.9
Long-term general and special	88.9	82.0	82.1	86.1	85.9	86.2	87.9	86.5	88.7	88.7
Psychiatric	99.1	84.8	80.3	83.2	85.2	85.9	86.1	86.5	86.3	86.3
Tuberculosis	75.4	61.8	57.7	61.8	67.0	66.6	62.3	67.5	83.4	83.4
Federal	67.2	79.6	80.7	78.2	80.1	79.0	79.4	80.6	79.0	79.0
<b>Expenses (bil. dol.):<sup>3</sup></b>										
All hospitals	8.4	25.6	48.7	79.8	91.9	107.1	123.2	136.3	144.1	144.1
Non-Federal	7.3	23.1	44.2	72.6	84.0	98.5	113.7	125.6	133.0	133.0
Short-term general and special	5.8	19.6	39.1	66.2	77.0	90.7	105.1	116.8	123.5	123.5
Nongovernmental nonprofit	4.1	14.2	28.0	48.0	56.8	68.3	78.9	85.7	90.9	90.9
For profit	.3	1.1	2.6	4.8	5.8	6.8	8.2	9.2	10.3	10.3
State and local government	1.2	4.3	8.6	13.4	15.3	17.6	20.1	21.7	22.4	22.4
Long-term general and special	.3	.6	1.0	1.1	1.2	1.3	1.5	1.5	1.7	1.7
Psychiatric	1.2	2.7	4.0	5.1	5.8	6.4	7.0	7.4	7.7	7.7
Tuberculosis	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1
Federal	1.1	2.5	4.5	7.3	7.9	8.6	9.5	10.7	11.2	11.2
<b>Personnel (1,000):<sup>4</sup></b>										
All hospitals	1,566	2,537	3,023	3,382	3,492	3,861	3,959	3,707	3,630	3,630
Non-Federal	1,412	2,321	2,786	3,109	3,213	3,378	3,656	3,422	3,399	3,399
Short-term general and special	1,080	1,929	2,399	2,762	2,879	3,039	3,312	3,102	3,028	3,028
Nongovernmental nonprofit	792	1,387	1,714	2,000	2,067	2,213	2,424	2,272	2,223	2,223
For profit	45	97	139	174	189	203	223	213	214	214
State and local government	241	444	546	588	602	622	665	618	586	586
Long-term general and special	55	69	68	51	56	61	61	53	54	54
Psychiatric	238	306	292	282	275	275	281	264	260	260
Tuberculosis	39	18	7	3	3	3	3	2	2	2
Federal	186	216	258	273	279	283	302	286	290	290
<b>Personnel per 100 patients:<sup>4</sup></b>										
All hospitals	114	196	269	324	329	345	376	361	374	374
Non-Federal	113	198	272	327	333	348	380	366	379	379
Short-term general and special	226	292	339	379	366	396	434	414	430	430
Nongovernmental nonprofit	232	292	339	379	366	396	434	417	434	434
For profit	196	256	268	326	334	348	374	366	375	375
State and local government	215	296	366	398	401	411	443	422	436	436
Long-term general and special	95	140	162	174	170	200	200	202	208	208
Psychiatric	35	68	110	151	150	166	167	165	172	172
Tuberculosis	99	146	216	252	290	297	334	361	342	342
Federal	120	169	240	296	297	310	336	314	327	327

NA Not available. <sup>1</sup> Based on Bureau of the Census estimated resident population as of July 1. <sup>2</sup> Ratio of average census to every 100 beds. <sup>3</sup> Excludes new construction. <sup>4</sup> Includes full-time equivalents of part-time personnel.

Source: American Hospital Association, Chicago, IL. *Hospital Statistics*, annual. (Copyright.)

## H. HOSPITAL FACILITIES—TOTAL, 1960 TO 1965, AND STATES AND PUERTO RICO, 1965

Hospitals have an average stay of less than 30 days. See also *Historical Statistics, Colonial Times to 1870*, series B 305-306 and B 369-362.

DATE OR AREA	NUMBER OF HOSPITALS		BEDS (1,000)		PATIENTS ADMITTED (mil.)		AVERAGE DAILY CENSUS <sup>2</sup> (1,000)		OCCUPANCY RATE <sup>3</sup>		Personnel <sup>4</sup> (1,000)	Total outpatient visits (mil.)
	Total	Short-term <sup>1</sup>	Total	Short-term <sup>1</sup>	Total	Short-term <sup>1</sup>	Total	Short-term <sup>1</sup>	Total	Short-term <sup>1</sup>		
Alabama	6,676	5,407	1,658.0	632.1	25.0	23.0	1,401.9	477.4	64.6	74.7	1,566	(NA)
Alaska	7,123	5,736	1,703.8	741.3	28.6	26.5	1,402.6	563.4	82.3	76.0	1,952	125.6
Arizona	7,123	5,859	1,615.6	846.2	31.8	29.3	1,297.7	661.5	60.3	76.0	2,537	181.4
Arkansas	7,067	5,866	1,556.6	666.5	32.7	30.1	1,236.6	664.6	79.5	76.7	2,589	199.7
California	7,081	5,843	1,549.7	683.7	33.3	30.8	1,206.9	664.1	76.0	75.2	2,671	218.2
Colorado	7,123	5,891	1,534.7	903.3	34.4	31.8	1,189.0	661.5	77.5	75.4	2,766	233.6
Connecticut	7,174	5,677	1,512.7	931.2	35.5	32.9	1,187.4	701.3	77.2	75.3	2,919	250.5
Delaware	7,156	5,679	1,466.6	947.0	36.2	33.5	1,124.9	708.1	76.7	74.8	3,023	254.8
District of Columbia	7,082	5,966	1,433.5	961.2	36.6	34.1	1,069.7	714.8	76.0	74.4	3,108	271.0
Florida	7,090	5,673	1,407.1	973.9	37.1	34.4	1,065.9	716.7	76.6	73.6	3,213	263.8
Georgia	7,015	5,935	1,380.6	979.7	37.2	34.6	1,041.9	719.9	76.5	73.6	3,260	263.6
Hawaii	6,966	5,923	1,371.6	967.7	37.6	35.2	1,043.4	729.0	76.1	73.6	3,362	262.0
Idaho	6,965	5,904	1,364.5	962.0	38.9	36.2	1,059.7	749.3	77.7	75.4	3,492	262.9
Illinois	6,933	5,879	1,361.5	1,006.7	39.2	36.4	1,060.9	764.4	77.9	75.9	3,661	265.3
Indiana	6,915	5,863	1,359.6	1,015.2	39.1	36.4	1,052.7	763.3	77.4	75.2	3,660	313.7
Iowa	6,866	5,843	1,350.4	1,021.4	38.9	36.2	1,027.9	750.1	76.1	73.4	3,707	273.2
Kansas	6,872	5,814	1,336.7	1,019.6	37.9	35.2	970.3	702.7	72.5	68.9	3,630	276.6
Kentucky	6,872	5,784	1,306.6	996.6	36.3	33.6	966.6	690.0	68.6	65.2	3,626	262.1
Louisiana	144	129	24.9	19.7	7	7	16.3	12.4	66.7	62.6	69	3.6
Maine	27	18	1.9	1.1	.1	(2)	1.2	.7	62.7	62.4	6	.9
Maryland	85	61	13.1	10.1	.4	.4	8.4	6.2	64.4	61.6	40	4.3
Massachusetts	101	93	13.3	11.1	.4	.4	7.9	6.3	59.0	56.1	32	1.9
Michigan	573	484	110.0	83.7	3.3	3.1	73.6	52.1	67.0	62.3	337	31.1
Minnesota	86	63	14.5	11.4	.4	.4	9.3	6.7	64.3	58.9	44	4.6
Mississippi	65	40	16.0	10.4	.4	.4	12.8	7.8	60.1	74.9	61	4.2
Missouri	13	8	3.6	2.2	.1	.1	2.8	1.5	75.6	66.6	10	.8
Montana	17	12	6.3	4.6	.2	.2	6.6	3.6	60.0	75.6	32	2.0
Nebraska	267	224	61.6	50.7	1.6	1.7	40.1	31.7	65.2	62.6	164	10.5
Nevada	197	167	33.7	25.6	1.0	.9	23.3	16.5	66.9	64.5	82	7.6
New Hampshire	26	19	4.1	2.8	.1	.1	3.1	2.2	76.7	76.5	13	1.7
New Jersey	52	47	4.2	3.6	.1	.1	2.4	2.0	66.6	67.0	10	1.0
New Mexico	274	241	66.6	54.3	1.6	1.6	45.1	34.9	67.7	64.3	102	14.0
New York	134	117	28.7	23.2	.8	.8	19.8	14.3	66.6	61.5	76	6.5
North Carolina	136	129	18.6	15.1	.4	.4	11.6	8.6	62.1	57.3	43	3.2
North Dakota	161	144	17.1	12.6	.4	.3	10.6	6.9	62.1	54.4	41	3.4
Ohio	120	107	19.4	16.2	.6	.6	12.6	10.4	66.6	64.0	49	3.9
Oklahoma	168	145	27.0	20.1	.8	.7	17.3	11.9	66.6	59.1	66	4.6
Oregon	47	42	6.4	4.9	.2	.2	4.6	3.3	71.4	66.9	19	1.7
Pennsylvania	66	56	22.6	15.0	.6	.5	17.6	11.1	77.9	74.0	69	6.1
Rhode Island	176	117	40.5	25.8	.9	.8	32.0	19.1	79.0	73.9	130	10.7
South Carolina	222	163	45.2	37.1	1.3	1.3	32.0	25.1	70.8	67.5	140	11.2
South Dakota	176	166	27.1	21.6	.6	.6	16.4	13.6	67.6	63.6	61	3.3
Tennessee	116	106	16.9	12.9	.5	.4	10.6	7.6	63.6	58.4	37	2.1
Texas	106	142	32.1	25.6	.6	.6	21.7	16.4	67.5	63.6	90	5.2
Utah	67	61	4.9	4.6	.1	.1	2.9	2.7	58.9	56.1	11	.9
Vermont	110	89	11.6	8.6	.3	.2	7.2	5.6	62.1	58.3	26	1.6
Virginia	26	21	3.9	3.3	.1	.1	2.2	1.6	56.7	53.6	11	1.0
Washington	35	29	4.5	3.4	.1	.1	3.1	2.2	70.0	64.2	13	1.5
West Virginia	126	100	41.7	29.7	1.2	1.1	33.2	22.5	79.6	79.6	113	7.7
Wisconsin	57	39	6.6	4.2	.2	.2	4.3	2.6	65.6	60.4	20	2.4
Wyoming	326	260	114.9	78.7	2.7	2.6	66.6	46.0	66.6	63.6	340	26.7
Alaska	156	131	31.4	23.1	.9	.8	21.6	14.9	66.6	64.6	86	5.6
Arizona	50	52	6.1	5.0	.1	.1	3.9	3.1	63.5	61.1	12	.8
California	200	200	59.9	49.2	1.7	1.6	40.1	31.4	67.0	63.9	179	13.2
Colorado	142	131	17.2	13.5	.5	.4	10.5	7.6	60.6	56.6	45	3.4
Connecticut	82	74	11.1	8.6	.4	.3	6.6	4.6	59.4	55.7	30	2.5
Delaware	305	245	75.2	56.9	2.0	1.9	66.6	46.6	73.1	66.7	217	17.1
District of Columbia	21	14	5.4	3.6	.1	.1	4.3	2.6	79.9	76.1	16	1.5
Florida	90	75	15.4	11.9	.5	.4	11.2	8.6	72.7	67.4	41	4.0
Georgia	66	57	5.6	4.6	.1	.1	3.5	2.7	60.6	57.7	11	.6
Hawaii	165	146	31.2	25.2	.9	.9	21.2	16.3	66.1	64.6	79	4.6
Idaho	661	661	65.9	65.9	2.5	2.2	62.7	37.3	61.4	56.7	216	14.2
Illinois	42	39	6.1	4.4	.2	.2	3.2	2.6	62.0	58.1	17	1.6
Indiana	19	16	2.9	2.1	.1	.1	2.1	1.4	72.2	68.1	6	.6
Iowa	136	101	30.1	21.7	.6	.7	21.6	14.2	71.3	67.1	76	6.2
Kansas	119	104	17.0	13.3	.6	.5	10.6	7.8	62.6	58.5	51	5.0
Kentucky	71	64	11.6	9.7	.4	.3	7.5	5.9	60.7	60.7	30	2.4
Louisiana	166	136	27.4	22.2	.7	.7	16.0	13.7	65.6	61.7	64	5.6
Maine	32	27	3.1	2.2	.1	.1	1.6	1.1	66.0	62.0	6	.5
Massachusetts	66	61	10.9	8.9	.4	.4	8.3	6.4	71.4	67.7	29	3.6

reliable. <sup>2</sup> Less than 50,000. <sup>3</sup> Non-Federal hospitals. <sup>4</sup> Inpatients receiving treatment each day; excludes  
<sup>5</sup> Ratio of average daily census to every 100 beds. <sup>6</sup> Includes full-time equivalents of part-time personnel.  
 National Hospital Association, Chicago, Ill., *Hospital Statistics*, annual. (Copyright.)

## No. 157. PROCEDURES FOR INPATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS: 1975 TO 1985

[Excludes newborn infants and discharges from Federal hospitals. See headnote, table 154. Prior to 1980, a maximum of 3 operations were coded per discharge, while a maximum of 4 per discharge were coded beginning in 1980]

SEX AND TYPE OF PROCEDURE	NUMBER OF PROCEDURES (1,000)					RATE PER 1,000 POPULATION <sup>1</sup>				
	1975	1980	1983	1984	1985	1975	1980	1983	1984	1985
<b>BOTH SEXES</b>										
Surgical procedures, total <sup>2</sup>	20,045	24,484	28,228	25,680	24,799	82.7	108.5	112.9	108.2	104.6
Procedures to assist delivery	(NA)	2,391	2,405	2,362	2,494	(NA)	10.8	10.4	10.1	10.5
Cesarean section	325	619	808	813	877	1.5	2.7	3.5	3.5	3.7
Reduction of fracture <sup>4</sup>	888	805	805	827	881	3.2	2.7	2.6	2.7	2.9
Cardiac catheterization	189	348	508	570	681	.9	1.6	2.2	2.4	2.9
Hysterectomy	725	849	872	884	870	3.4	2.9	2.9	2.8	2.8
Repair of current obstetric laceration	227	355	479	483	548	1.1	1.8	2.1	2.1	2.3
Diagnostic and other non-surgical procedures <sup>5</sup>	(NA)	8,918	8,718	10,588	11,981	(NA)	36.7	41.8	45.1	48.5
CAT scan <sup>6</sup>	(NA)	306	871	1,091	1,378	(NA)	1.4	3.7	4.7	5.8
Diagnostic ultrasound	(NA)	318	685	836	1,234	(NA)	1.4	3.0	3.6	5.2
Angiocardiology and arteriography <sup>7</sup>	(NA)	589	825	972	1,117	(NA)	2.5	3.8	4.1	4.7
Radioisotope scan	(NA)	525	885	764	838	(NA)	2.3	2.9	3.3	3.5
Cystoscopy	(NA)	867	774	740	645	(NA)	3.6	3.3	3.2	2.7
<b>MALE</b>										
Surgical procedures, total <sup>2</sup>	7,379	8,586	8,268	9,184	8,805	71.4	78.1	82.8	81.0	78.9
Cardiac catheterization	125	228	328	372	438	1.2	2.1	2.9	3.3	3.8
Repair of inguinal hernia	484	483	456	411	370	4.7	4.4	4.1	3.6	3.2
Prostatectomy	205	235	357	381	367	2.8	3.1	3.2	3.2	3.2
Reduction of fracture <sup>4</sup>	348	325	313	330	338	3.4	3.0	2.8	2.9	3.0
Diagnostic and other non-surgical procedures <sup>5</sup>	(NA)	3,388	4,725	5,185	5,888	(NA)	31.1	42.1	45.9	51.4
Angiocardiology and arteriography <sup>7</sup>	(NA)	355	508	588	683	(NA)	3.3	4.5	5.2	6.0
CAT scan <sup>6</sup>	(NA)	152	431	530	671	(NA)	1.4	3.8	4.7	5.9
<b>FEMALE</b>										
Surgical procedures, total <sup>2</sup>	12,661	15,898	18,963	16,496	15,994	114.8	137.1	141.1	136.5	135.6
Procedures to assist delivery	(NA)	2,391	2,405	2,362	2,494	(NA)	20.5	20.0	19.5	20.4
Cesarean section	325	619	808	813	877	3.0	5.3	6.7	6.7	7.2
Hysterectomy	725	849	872	884	870	6.8	5.8	5.8	5.5	5.5
Repair of current obstetric laceration	227	355	479	483	548	2.1	3.0	4.0	4.0	4.5
Diagnostic and other non-surgical procedures <sup>5</sup>	(NA)	3,532	4,984	5,378	5,873	(NA)	30.3	41.6	44.3	48.5
Diagnostic ultrasound	(NA)	204	431	519	756	(NA)	1.7	3.6	4.3	6.2
CAT scan <sup>6</sup>	(NA)	154	440	581	707	(NA)	1.3	3.7	4.6	5.8

NA. Not available. <sup>1</sup> Based on Bureau of the Census estimated civilian population as of July 1. <sup>2</sup> Includes other types of surgical procedures not shown separately. <sup>3</sup> Figures for 1975 should be compared with caution to those for 1980-1985 because data prior to 1980 exclude the following obstetrical procedures: Epileptomy, artificial rupture of membranes, internal version and outlet, and low forceps delivery. <sup>4</sup> Excluding skull, nose, and jaw. <sup>5</sup> Includes other non-surgical procedures not shown separately. <sup>6</sup> Computerized axial tomography. <sup>7</sup> Using contrast material.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

## No. 158. AVERAGE COST TO COMMUNITY HOSPITALS PER PATIENT, 1970 TO 1985, AND AVERAGE SEMI-PRIVATE ROOM CHARGE, 1978 TO 1985

(In dollars, except percent. Covers non-Federal short-term general or special hospitals (excluding psychiatric or tuberculosis hospitals and, beginning 1974, hospital units of institutions). Total cost per patient based on total hospital expenses (payroll, employee benefits, professional fees, supplies, etc.). Data have been adjusted for outpatient visits)

TYPE OF EXPENSE AND HOSPITAL	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Average cost per day, total	74	114	134	155	174	194	217	245	284	327	388	411	489
Annual percent change <sup>1</sup>	12.7	10.8	17.8	14.2	13.8	11.7	11.8	12.8	15.0	15.1	12.8	11.4	19.7
Nongovernmental nonprofit	75	113	133	153	175	195	218	245	286	330	374	415	488
For profit	71	109	133	156	177	202	226	257	299	340	385	436	500
State and local government	71	115	136	151	171	189	212	239	274	312	348	385	439
Average cost per stay, total	895	888	1,030	1,176	1,222	1,474	1,642	1,851	2,171	2,501	2,788	2,985	3,382
Nongovernmental nonprofit	815	826	1,040	1,208	1,303	1,515	1,684	1,902	2,226	2,573	2,889	3,073	3,357
For profit	486	729	878	1,032	1,168	1,317	1,476	1,676	1,983	2,226	2,518	2,748	3,088
State and local government	814	867	1,031	1,133	1,262	1,399	1,561	1,750	2,072	2,364	2,821	2,823	3,186
Average semi-private room charge (Jan. 1) <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	186	116	127	144	188	188	203	318

NA. Not available. <sup>1</sup> For explanation of annual percent change, see Guide to Tabular Presentation. Average change for prior year shown. For 1970, change from 1965. <sup>2</sup> Source: See footnote 1, table 159. Charge for 1986 was \$327.

Source: Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

### 159. AVERAGE DAILY HOSPITAL ROOM CHARGES, 1980 TO 1987, AND AVERAGE COST TO COMMUNITY HOSPITALS PER PATIENT, 1980 AND 1985—STATES

Average daily room charges cover non-governmental short-term general hospitals and represent average cost to patient for a semi-private room. See headnote, table 158]

AVERAGE DAILY ROOM CHARGE <sup>1</sup>			AVERAGE COST PER DAY		AVERAGE COST PER STAY		STATE	AVERAGE DAILY ROOM CHARGE <sup>1</sup>			AVERAGE COST PER DAY		AVERAGE COST PER STAY	
1980	1985	1987	1980	1985	1980	1985		1980	1985	1987	1980	1985	1980	1985
127	213	344	245	480	1,851	3,245	MO	107	185	206	230	457	1,848	3,383
98	182	288	209	380	1,450	2,653	MT	113	203	221	160	312	1,321	2,858
188	274	372	406	803	2,275	3,742	NE	100	155	174	184	347	1,525	2,882
106	193	259	280	591	2,013	3,547	NV	125	241	227	343	677	2,201	3,953
86	141	154	185	381	1,172	2,292	NH	125	199	219	203	422	1,432	2,844
161	251	327	352	654	2,395	4,050	NJ	148	183	215	212	400	1,850	2,914
124	212	243	247	488	1,780	3,221	NM	115	182	227	263	501	1,549	2,837
127	206	247	271	502	2,039	3,610	NY	157	224	252	257	419	2,408	3,930
135	214	279	236	474	1,937	3,357	NC	87	139	151	187	358	1,397	2,418
170	274	374	358	612	3,189	4,982	ND	93	176	186	177	322	1,525	2,918
109	182	206	247	484	1,803	3,381	OH	139	229	253	241	483	1,907	3,428
82	151	180	218	388	1,360	2,501	OK	101	185	177	238	455	1,527	2,814
127	231	257	245	420	1,888	3,522	OR	133	230	263	277	549	1,671	2,879
110	190	223	206	373	1,251	2,402	PA	132	256	294	234	488	1,947	3,412
144	247	279	277	498	2,183	3,607	RI	138	206	246	280	447	2,162	3,432
107	184	206	214	446	1,820	2,942	SC	80	140	156	186	356	1,367	2,508
107	179	194	190	359	1,465	2,735	SD	98	182	174	188	282	1,265	2,442
104	184	213	207	401	1,592	2,954	TN	91	142	170	204	397	1,427	2,708
92	178	196	189	367	1,269	2,323	TX	91	159	184	226	481	1,491	2,798
86	158	186	233	475	1,492	2,842	UT	112	189	244	271	558	1,482	2,798
124	206	222	217	394	1,707	2,870	VT	118	211	257	183	343	1,472	2,706
119	187	219	251	443	2,138	3,237	VA	101	184	180	211	399	1,647	2,862
151	229	262	294	500	2,578	4,194	WA	125	229	266	262	546	1,502	3,082
151	270	296	287	507	2,067	3,686	WV	110	184	184	195	399	1,399	2,520
105	188	228	203	389	1,818	3,302	WI	104	167	174	216	392	1,785	2,874
67	114	125	174	319	1,178	2,037	WY	96	166	179	242	357	1,188	2,357

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, 1985, of Semi-Private Room Charges, semiannual.

Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

### 160. HOSPITAL DISCHARGES AND DAYS OF CARE, BY SEX, AGE, AND DIAGNOSIS: 1985

[See headnote, table 154]

FIRST-LISTED DIAGNOSIS	DISCHARGES		Days of care per 1,000 persons <sup>1</sup>	Aver- age stay (days)	AGE AND FIRST-LISTED DIAGNOSIS	DISCHARGES		Days of care per 1,000 persons <sup>1</sup>	Aver- age stay (days)
	Num- ber (1,000)	Per 1,000 per- sons <sup>1</sup>				Num- ber (1,000)	Per 1,000 per- sons <sup>1</sup>		
MALE					FEMALE				
All ages <sup>2</sup>	14,180	123.5	848.7	6.9	All ages <sup>2</sup>	28,898	179.7	1,063.3	6.3
Heart	1,910	18.7	118.0	7.0	Delivery	3,854	31.5	103.3	3.3
Neoplasms	862	7.8	71.1	9.1	Diseases of heart	1,674	13.7	104.5	7.8
All sites	550	4.8	36.7	7.7	Malignant neoplasms	1,019	8.3	72.3	8.7
	433	3.8	29.5	7.8	Fractures, all sites	579	4.7	48.2	8.8
Cancer disease	416	3.8	38.2	10.0	Cerebrovascular disease	500	4.1	44.5	10.8
15 years <sup>2</sup>	1,008	63.8	287.5	4.5	Under 15 years <sup>2</sup>	1,274	50.2	232.9	4.6
Respiratory infection	138	5.2	17.2	3.3	Chronic disease of tonsils and adenoids	94	3.7	8.0	1.8
	115	4.3	18.1	4.2	Pneumonia	91	3.6	18.4	4.8
Emphysema <sup>2</sup>	110	4.1	13.7	3.3	Acute respiratory	91	3.6	11.3	3.2
Bronchitis	101	3.8	20.5	5.4	Bronchitis, emphysema <sup>2</sup>	85	2.8	9.0	3.5
Sinus of tonsils	92	3.5	5.1	1.5	Noninfectious enteritis and colitis	58	2.3	8.8	2.9
15 years <sup>2</sup>	4,153	75.4	458.9	8.1	15-44 years <sup>2</sup>	8,813	173.4	744.3	4.3
All sites	290	5.3	34.7	5.6	Delivery	3,838	87.8	222.4	3.3
	204	3.7	47.4	12.8	Pregnancy w/abortive outcome	378	6.7	14.4	2.2
Endocrine	185	3.5	38.8	11.0	Inflammatory disease of female pelvic organs	210	3.7	17.7	4.8
Heart	185	3.0	18.6	5.5	Benign neoplasms	184	3.4	17.2	5.0
All sites	111	2.8	18.7	6.4	Psychosis	182	3.4	52.3	15.4
15 years <sup>2</sup>	3,776	178.2	1,219.9	6.9	45-64 years <sup>2</sup>	3,834	183.4	1,188.1	7.1
Heart	784	38.8	237.4	6.9	Diseases of heart	420	17.9	120.5	6.7
Neoplasms	281	13.1	119.8	9.1	Malignant neoplasms	367	15.6	129.6	8.3
All sites	110	5.1	15.3	3.0	Benign neoplasms	120	5.1	32.0	6.3
Cancer disease	107	5.0	50.7	10.2	Cholelithiasis	103	4.4	30.8	7.1
All sites	98	4.6	32.8	7.2	Fractures, all sites	98	4.1	28.8	7.3
65 years and older <sup>2</sup>	4,533	383.2	3,315.0	8.4	65 years and over <sup>2</sup>	5,975	351.4	3,147.1	9.0
Heart	853	82.6	628.9	7.8	Diseases of heart	1,158	68.1	551.3	8.1
Neoplasms	512	44.4	418.4	9.4	Malignant neoplasms	478	25.1	280.6	10.0
Cancer disease	289	25.1	248.7	9.9	Cerebrovascular disease	386	23.3	248.3	10.7
All sites	199	17.3	172.6	10.0	Fractures, all sites	328	18.3	232.5	12.1
Prostate	179	15.5	103.5	6.7	Pneumonia	201	11.8	118.3	9.3

Note 1, table 154. <sup>1</sup> Includes other first-listed diagnoses, not shown separately. <sup>2</sup> Includes unknown.

U.S. National Center for Health Statistics, Vital and Health Statistics, series 13, and unpublished data.



## NO. 161. NURSING AND RELATED CARE FACILITIES: 1971 TO 1986

ITEM	Unit	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Nursing and related care: <sup>1</sup>																	
Facilities.....	Number...	22,004	21,834	(NA)	20,489	<sup>2</sup> 18,722	<sup>2</sup> 23,085	<sup>2</sup> 25,849	(NA)	(NA)	<sup>2</sup> 25,846						
Beds.....	1,000.....	1,202	1,328	(NA)	1,416	<sup>2</sup> 1,348	<sup>2</sup> 1,537	<sup>2</sup> 1,842	(NA)	(NA)	<sup>2</sup> 1,709						
Resident patients.....	1,000.....	1,076	1,198	(NA)	1,283	<sup>2</sup> 1,240	<sup>2</sup> 1,396	<sup>2</sup> 1,483	(NA)	(NA)	<sup>2</sup> 1,553						
Employees, full-time.....	1,000.....	569	536	(NA)	553	<sup>2</sup> 564	<sup>2</sup> 798	(NA)	(NA)	(NA)	(NA)						
Per 1,000 patients.....	Rate.....	528	531	(NA)	505	<sup>2</sup> 535	<sup>2</sup> 571	(NA)	(NA)	(NA)	(NA)						
Skilled nursing facilities <sup>3</sup>	Number.....	4,277	3,970	3,926	3,922	4,745	5,062	5,408	5,952	6,451	6,987						
Beds.....	1,000.....	307	287	287	309	406	438	486	530	(NA)	(NA)						
Per 1,000 Medicare enrollees <sup>4</sup>	Rate.....	15.1	13.5	13.0	12.7	17.3	17.7	19.1	19.9	(NA)	(NA)						

NA Not available. <sup>1</sup> Covers nursing homes with 3 beds or more and all other places providing some form of nursing, personal, or domiciliary care; standards vary widely among States. Includes skilled nursing facilities, 1971-1985 based on National Master Facility Inventory. Some changes in data beginning 1976 may be due to dependence on State collection. 1985 data based on the 1986 Inventory of Long-Term Care Places. Data may not be strictly comparable with previous year data. <sup>2</sup> Includes 1976 data for California, District of Columbia, New York, and North Carolina. <sup>3</sup> Excludes hospital-based nursing homes and includes 1978 data for Alaska and South Dakota. <sup>4</sup> Excludes hospital-based nursing homes. <sup>5</sup> Source: Through 1976, U.S. Social Security Administration, *Health Insurance Statistics* and unpublished data. Beginning 1978, U.S. Health Care Financing Administration, *Medicare Participating Providers and Suppliers of Health Services, 1980*; and unpublished data. Covers facilities and beds certified for participation under Medicare as of mid-year. Includes facilities which have transfer agreements with one or more participating hospitals, and are engaged primarily in providing skilled nursing care and related services for the rehabilitation of injured, disabled, or sick persons. <sup>6</sup> Based on number of aged persons residing in United States who were enrolled in the Medicare hospital insurance program as of July 1 of year stated.

Source: Except as noted, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual through 1976 and 1978; 1982, *Advance Data from Vital and Health Statistics*, No. 111 and unpublished data.

## NO. 162. NURSING AND RELATED CARE FACILITIES—SELECTED CHARACTERISTICS: 1986

(Excludes hospital-based nursing homes. Based on the 1986 Inventory of Long-Term Care Places. For composition of regions, see fig. 1, inside front cover)

CHARACTERISTIC	TOTAL FACILITIES			NURSING HOMES <sup>1</sup>			RESIDENTIAL FACILITIES <sup>2</sup>		
	Homes	Beds (1,000)	Average number of beds	Homes	Beds (1,000)	Average number of beds	Homes	Beds (1,000)	Average number of beds
Total.....	25,846	1,709.2	67	18,388	1,507.4	82	9,258	201.8	22
Northeast.....	4,893	373.8	77	2,948	317.5	106	1,915	56.3	29
Midwest.....	7,474	539.8	72	5,393	506.7	94	2,081	33.1	16
South.....	7,311	516.5	71	5,008	484.0	93	2,303	52.5	23
West.....	5,968	279.1	47	3,039	219.2	72	2,959	59.9	20
Government.....	1,045	106.6	102	789	99.7	128	258	6.8	27
Proprietary.....	20,223	1,235.4	61	12,336	1,079.0	87	7,887	156.5	20
Nonprofit.....	4,378	367.2	84	3,263	326.7	101	1,115	38.5	36
3-9 beds.....	5,918	32.6	6	1,340	7.2	5	4,578	25.5	6
10-24 beds.....	3,895	16.1	16	1,069	18.2	17	2,826	39.9	16
25-49 beds.....	3,135	115.5	37	2,061	77.8	38	1,074	37.6	35
50-74 beds.....	3,470	208.7	60	3,037	182.7	60	433	26.0	60
75-99 beds.....	2,526	221.6	86	2,336	205.4	88	191	16.3	86
100-199 beds.....	5,765	758.2	131	5,468	717.6	131	297	36.6	136
200-299 beds.....	658	198.2	231	604	186.1	231	54	12.1	225
300-499 beds.....	239	84.9	355	225	80.1	355	14	4.8	340
500 beds or more.....	50	33.4	667	49	32.3	669	1	1.1	1,080
Certification:									
Medicare or Medicaid (skilled nursing facility) <sup>3</sup>	8,046	411.5	122	8,045	884.1	122	-	-	-
Medicaid (intermediate care facility) <sup>4</sup>	5,375	411.5	77	5,375	411.5	77	-	-	-
Not certified nursing home.....	2,968	111.8	38	2,968	111.8	38	-	-	-
Residential facilities.....	9,258	201.8	22	(x)	(x)	(x)	9,258	201.8	22

- Represents zero. X Not applicable. <sup>1</sup> These facilities have three or more beds and provide to adults who require it either (a) nursing care or (b) personal care (such as help with bathing, eating, using toilet facilities, or dressing) and/or supervision over such activities as money management, walking, and shopping. <sup>2</sup> These facilities offer no nursing services and provide only personal care or supervisory care. <sup>3</sup> Facilities certified as both skilled nursing facilities and intermediate care facilities have been classified as skilled nursing facilities.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 163. NURSING HOME RESIDENTS—LIVING ARRANGEMENTS PRIOR TO ADMISSION, SOURCE OF PAYMENT, AND DEPENDENCY STATUS, BY AGE AND SEX: 1985

[For civilian population 65 years and over. Based on the 1985 National Nursing Home Survey conducted from August 1985 through January 1986. Based on sample and subject to sampling variation; see source for details]

ITEM	Total	AGE			SEX	
		65-74 years	75-84 years	85 years and over	Male	Female
All residents (1,000).....	1,316.9	212.1	808.0	884.7	334.0	601.9
LIVING ARRANGEMENTS—PERCENT DISTRIBUTION						
Total <sup>1</sup> .....	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence <sup>1</sup> .....	40.0	29.2	40.5	43.3	36.3	41.2
Alone.....	14.7	8.2	14.7	17.0	11.6	15.8
With family members.....	18.9	16.0	19.8	19.2	19.3	18.8
Another health facility <sup>1</sup> .....	57.0	67.7	56.5	53.6	60.4	55.9
Another nursing home.....	12.2	12.9	12.6	11.5	13.1	11.8
General or short-stay hospital <sup>2</sup> .....	38.7	39.5	38.2	38.9	35.2	40.0
PRIMARY SOURCE OF PAYMENT—PERCENT DISTRIBUTION						
Total <sup>1 2</sup> .....	100.0	100.0	100.0	100.0	100.0	100.0
Own income or family support.....	49.8	39.0	51.2	52.4	50.9	49.5
Medicare.....	4.9	4.7	5.2	4.8	4.8	4.9
Medicaid payment for—						
Skilled nursing.....	13.9	13.9	13.5	14.3	11.9	14.8
Intermediate care.....	26.2	31.5	25.3	25.1	23.7	27.0
DEPENDENCY STATUS						
Average number of dependencies.....	3.9	3.4	3.8	4.2	3.6	4.0
Percent of nursing home population requiring assistance in—						
Bathing.....	91.2	84.8	90.3	94.1	88.9	92.6
Dressing.....	77.7	70.2	75.9	81.9	71.5	79.7
Using toilet room.....	63.3	56.6	60.3	68.2	58.2	65.7
Transferring <sup>4</sup> .....	82.7	52.1	59.7	69.0	55.3	68.2
Eating.....	40.4	33.4	39.1	44.0	34.8	42.3
Continence.....	54.5	42.9	55.0	58.1	51.9	55.3

<sup>1</sup> Includes other living arrangements and payment sources, not shown separately. <sup>2</sup> Excludes psychiatric units of hospitals.  
<sup>3</sup> For persons who were residents for one month or more. <sup>4</sup> Getting in or out of a bed or a chair.

Source: U.S. National Center for Health Statistics, *Use of Nursing Homes by the Elderly: Preliminary Data from the 1985 National Nursing Home Survey, Advance Data*, No. 135, May 1987.

No. 164. RESIDENTIAL FACILITIES FOR THE MENTALLY RETARDED: 1960 TO 1985

[For years ending June 30. Mentally retarded people refers to those who have been so designated by State governments in the process of placing them into residential facilities]

ITEM	STATE-OPERATED FACILITIES <sup>1</sup>							PRIVATE FACILITIES <sup>2</sup>	
	1960	1960	1975	1975	1980 <sup>3</sup>	1984 <sup>3</sup>	1985 <sup>3</sup>	1977	1982
Number of facilities <sup>4</sup> .....	108	143	190	210	394	876	861	10,219	14,605
Resident patients, beginning of year.....	158,682	181,549	189,956	186,689	148,734	120,745	117,101	(NA)	(NA)
Admissions <sup>5</sup> .....	14,701	17,300	14,965	13,424	14,064	7,700	7,713	22,363	22,431
Deaths in institutions.....	3,202	3,583	3,496	2,752	2,142	1,623	1,537	691	920
Live releases <sup>6</sup> .....	6,451	7,993	14,702	18,320	16,225	10,223	10,310	12,384	12,999
Resident patients, end of year.....	163,730	187,273	186,743	159,041	140,230	116,518	112,183	89,120	115,032
Rate per 100,000 population <sup>7</sup> .....	91.9	97.7	92.5	74.4	62.2	49.1	46.8	41.2	49.7
Average daily resident patients.....	163,282	189,172	187,897	181,061	136,304	115,890	111,791	(NA)	(NA)
Maintenance expenditures per day per average daily resident patient (dollars) <sup>8</sup> ...	5	6	13	31	68	113	122	<sup>9</sup> 19	<sup>9</sup> 37

NA Not available. <sup>1</sup> Data as submitted by many State agencies; figures reflect some estimates. Resident patients at the end of a year do not equal the number at the beginning of a succeeding year. Includes estimates for underreporting. <sup>2</sup> Includes data for 142 facilities in 1960, 119 facilities in 1984, and 121 facilities in 1985, operated as mental hospitals or other care facilities and which have at least 10 mentally retarded residents. The average daily number of mentally retarded residents in these facilities was 8,240 in 1960; 5,878 in 1984; and 5,602 in 1985. <sup>3</sup> A privately-operated living quarter which provides 24-hour, 7-days-a-week responsibility for room, board, and supervision of mentally retarded persons. Excludes single-family homes providing services to a relative; nursing homes, boarding homes and foster homes not formally licensed or contracted as mental retardation service providers; and independent living programs which have no staff residing in facility. <sup>4</sup> Beginning 1984, reflects the development of a large number of community based State-operated facilities which were developed in the early 1980's. <sup>5</sup> Includes readmissions and excludes transfers. <sup>6</sup> 1960-1975, represents excess of patients released alive from hospital over those returning to hospital. Beginning 1980, total live releases. <sup>7</sup> Based on Bureau of the Census estimated civilian population as of July 1. <sup>8</sup> Reporting facilities only; includes salaries and wages, purchased provisions, fuel, light, water, etc. <sup>9</sup> Represents average daily reimbursement rate per resident.

Source: State-operated facilities: U.S. Office of Human Development Services, *Residents in Public Institutions for the Mentally Retarded*, annual through 1970, and unpublished data; 1980, Krantz, Clumpner, Rotegard, and Bruininks, *Mentally Retarded People in State-Operated Residential Facilities, Year Ending June 30, 1980*; 1984 and 1985, Lakin, Hill, Street, and Bruininks, *Persons with Mental Retardation in State-Operated Residential Facilities: Years Ending June 30, 1984 and June 30, 1985*. University of Minnesota, Minneapolis, MN. Private facilities: Hill, Lakin, and Bruininks, *Trends in Residential Services for Mentally Retarded People: 1977-1982*.

No. 165. MENTAL HEALTH FACILITIES—SUMMARY BY TYPE OF FACILITY: 1980 TO 1986

[Facilities and beds as of January; inpatients as of yearend; other data are for calendar year or fiscal year ending in a month other than December since facilities are permitted to report on either a calendar or fiscal year basis. Excludes private psychiatric office practice and psychiatric service modes of all types in hospitals or outpatient clinics of Federal agencies other than Veterans Administration]

ITEM AND YEAR	Unit	Total	MENTAL HOSPITALS		General hospitals <sup>2</sup>	Veterans Administration <sup>3</sup>	Community mental health centers <sup>4</sup>	Free-standing psychiatric outpatient clinics	All other <sup>5</sup>
			State and county	Private <sup>1</sup>					
<b>Number of facilities:</b>									
1980.....	Number.....	3,727	280	552	° 923	° 138	° 691	1,053	92
1982.....	Number.....	4,302	277	550	° 1,531	129	(°)	° 1,473	° 342
1984.....	Number.....	4,438	277	542	° 1,347	139	(°)	° 792	° 1,341
1986.....	Number.....	4,579	286	596	° 1,347	10 139	(°)	° 750	° 1,481
<b>Inpatient beds:</b>									
1980.....	1,000.....	274.7	158.5	37.4	° 29.4	° 33.8	° 16.3	(x)	1.4
1982.....	1,000.....	247.3	140.1	37.5	° 36.5	24.6	(°)	(x)	° 8.5
1984.....	1,000.....	252.5	128.8	37.1	° 46.0	23.5	(°)	(x)	° 17.3
1986.....	1,000.....	257.0	124.8	44.8	° 10 48.0	10 23.5	(°)	(x)	° 18.0
Per 100,000 population: <sup>11</sup>									
1980.....	Rate.....	124.3	70.2	18.8	° 13.7	° 15.7	° 7.3	(x)	.6
1984.....	Rate.....	108.5	55.4	16.0	° 19.6	10.1	(°)	(x)	° 7.4
1986.....	Rate.....	108.5	52.3	18.9	° 10 19.6	10 10.1	(°)	(x)	° 7.6
<b>Inpatients:</b>									
1981.....	1,000.....	214.1	125.2	31.9	° 28.7	21.0	(°)	(x)	° 7.2
1983.....	1,000.....	224.1	116.8	31.9	° 32.1	20.2	(°)	(x)	° 23.1
1985.....	1,000.....	221.4	115.9	36.9	° 12 32.1	12 20.2	(°)	(x)	° 18.3
Per 100,000 population: <sup>11</sup>									
1983.....	Rate.....	96.4	50.3	13.7	° 13.8	8.7	(°)	(x)	° 9.9
1985.....	Rate.....	90.2	49.1	8.8	° 12 13.8	12 8.7	(°)	(x)	° 9.8
<b>Average daily inpatients:</b>									
1981.....	1,000.....	211.0	122.1	32.1	° 29.3	20.8	(°)	(x)	° 6.8
1983.....	1,000.....	219.1	116.2	32.3	° 12 29.3	20.3	(°)	(x)	° 21.0
<b>Inpatient care episodes: <sup>14</sup></b>									
1981.....	1,000.....	1,720	499	211	° 677	206	(°)	(x)	° 126
1983.....	1,000.....	1,854	453	213	° 820	171	(°)	(x)	° 197
1985.....	1,000.....	1,820	458	226	° 12 820	12 171	(°)	(x)	° 145
Per 100,000 population: <sup>11</sup>									
1983.....	Rate.....	796	195	92	° 351	73	(°)	(x)	° 66
1985.....	Rate.....	775	193	95	° 12 351	12 73	(°)	(x)	° 63
<b>Total expenditures:</b>									
1981.....	Mil. dol.....	(NA)	4,493	1,643	° 2,033	(NA)	(°)	° 1,554	° 969
1983.....	Mil. dol.....	14,432	5,491	2,285	° 2,176	1,316	(°)	° 430	° 2,734
1985.....	Mil. dol.....	15,323	5,673	2,538	° 12 2,176	12 1,316	(°)	° 405	° 3,215
Constant (1980) dollars: <sup>15</sup>									
1983.....	Mil. dol.....	4,583	1,743	725	° 693	418	(°)	° 136	° 969
1985.....	Mil. dol.....	4,438	1,596	714	° 12 693	12 418	(°)	° 114	° 904
Constant (1980) dollars per capita: <sup>11 15</sup>									
1983.....	Dollars.....	19.72	7.50	3.12	° 2.96	1.80	(°)	° .59	° 3.73
1985.....	Dollars.....	18.83	6.73	3.02	° 12 2.96	12 1.80	(°)	° .48	° 3.62
<b>Patient care staff:</b>									
1980.....	1,000.....	(NA)	128.8	38.0	(NA)	(NA)	12 45.4	18.7	5.2
1982.....	1,000.....	(NA)	124.2	40.4	(NA)	(NA)	(°)	° 48.1	° 23.8
1984.....	1,000.....	283.2	123.5	47.9	(NA)	23.2	(°)	° 16.0	° 72.6

NA Not available. X Not applicable.

<sup>1</sup> Includes residential treatment centers for emotionally disturbed children. <sup>2</sup> Non-Federal hospitals with separate psychiatric services. <sup>3</sup> Includes Veterans Administration (VA) neuropsychiatric hospitals, VA general hospitals with separate psychiatric settings and VA freestanding psychiatric outpatient clinics. <sup>4</sup> Federally funded. <sup>5</sup> Other multiservice mental health facilities with an inpatient setting which are not elsewhere classified. Number of facilities, expenditures, and staff data also include freestanding psychiatric day/night facilities. <sup>6</sup> 1978 data. <sup>7</sup> As of February 1981.

<sup>8</sup> As a result of the shift in funding of the community mental health center (CMHC) program from categorical to block grants, the category CMHC was dropped in 1981. Organizations which had been classified as federally funded CMHCs in previous years were reclassified as multiservice mental health organizations, freestanding psychiatric outpatient clinics, or as psychiatric units of non-Federal general hospitals, depending on the types of services they directly operated and controlled.

<sup>9</sup> For prior years an organization had to have either inpatient or residential treatment services in combination with other settings to be a "multiservice mental health organization." Beginning in 1983, any organization which provides services in any combination of two or more settings (e.g. outpatient plus partial care, residential treatment plus outpatient plus partial care) and is neither a hospital nor a residential treatment center for emotionally disturbed children is classified as a multiservice mental health organization. Therefore, a number of freestanding psychiatric outpatient clinics were reclassified as multiservice mental health organizations. <sup>10</sup> 1984 data. <sup>11</sup> Based on Bureau of the Census estimated civilian population as of July 1. <sup>12</sup> 1983 data. <sup>13</sup> 1981 data. <sup>14</sup> "Inpatient care episodes" is defined as the number of residents in inpatient facilities at the beginning of the year plus the total additions to inpatient facilities during the year. <sup>15</sup> Based on the medical care component of the consumer price index published by the U.S. Bureau of Labor Statistics; see table 138.

Source: U.S. National Institute of Mental Health, *Statistical Note* series, and unpublished data.

## NO. 166. DAYS OF DISABILITY, BY TYPE AND SELECTED CHARACTERISTICS: 1970 TO 1985

civilian noninstitutional population. Beginning 1982, the levels of estimates may not be comparable to estimates for 1970-1981 because the later data are based on a revised questionnaire and field procedures; for further information, see source. Based on National Health Interview Survey; see Appendix B. For composition of regions, see fig. 1, inside front cover.

ITEM	TOTAL DAYS OF DISABILITY (millions)						DAYS PER PERSON					
	1970	1980	1982	1983	1984	1985	1970	1980	1982	1983	1984	1985
Bed-activity days <sup>1</sup>	2,913	4,165	3,253	3,318	3,427	3,453	14.6	19.1	14.3	14.5	14.8	14.8
Male	1,273	1,802	1,373	1,365	1,454	1,442	13.2	17.1	12.5	12.3	13.0	12.6
Female	1,640	2,363	1,880	1,953	1,973	2,011	15.8	21.0	16.0	16.5	16.5	16.6
Age <sup>2</sup>												
Under 18	2,528	3,518	2,746	2,813	2,905	2,899	14.4	18.7	14.2	14.3	14.7	14.5
18-64	365	580	438	452	481	489	16.2	22.7	15.3	16.6	16.6	17.4
65 years and over	(NA)	(NA)	(NA)	(NA)	229	228	(NA)	(NA)	(NA)	(NA)	12.9	13.2
Sex <sup>3</sup>												
Male	2,331	3,228	2,451	2,467	2,587	2,557	12.9	16.6	12.2	12.2	12.6	12.4
Female	582	837	803	851	840	896	30.7	39.2	31.6	32.1	31.8	33.1
Race <sup>4</sup>												
White	709	862	669	718	700	689	14.5	17.9	13.5	14.6	13.9	13.8
Black	691	889	754	762	799	744	12.4	17.2	12.8	12.9	13.4	12.7
Hispanic	908	1,415	1,146	1,184	1,232	1,308	15.9	19.8	15.4	15.8	16.0	16.3
Other	518	898	684	657	698	712	15.6	22.0	15.6	14.5	15.5	15.7
Income <sup>5</sup>												
Under \$5,000	862	762	443	397	377	349	23.3	37.5	28.4	24.7	25.3	26.0
\$5,000-\$9,999	857	804	587	618	578	544	12.8	25.8	22.4	23.7	23.6	25.6
\$10,000-\$14,999	536	636	444	439	432	397	11.5	19.4	16.0	17.5	17.6	17.9
\$15,000-\$24,999	257	503	351	340	367	383	11.0	15.1	12.3	12.3	13.8	14.3
\$25,000 and over	74	784	787	821	942	1,081	10.7	12.7	9.8	10.0	10.6	10.6
Work-loss days <sup>6</sup>	1,222	1,520	1,445	1,530	1,508	1,436	6.1	7.0	6.4	6.7	6.5	6.1
Male	503	618	592	632	624	583	5.2	5.9	5.4	5.7	5.6	5.2
Female	720	904	853	898	884	852	6.9	8.0	7.3	7.6	7.4	7.1
Age <sup>2</sup>												
Under 18	959	1,190	1,071	1,097	1,110	1,084	5.3	6.1	5.3	5.4	5.4	5.1
18-64	263	330	373	433	398	371	13.8	13.8	14.7	16.7	15.1	13.7
65 years and over												
Male	417	485	453	419	512	575	5.4	5.0	4.6	4.2	4.9	5.3
Female	243	271	225	207	259	287	5.0	4.9	4.0	3.7	4.4	4.8
Other	175	215	227	212	254	289	5.9	5.1	5.3	4.9	5.6	6.0
School-loss days <sup>7</sup>	222	204	214	225	227	217	4.9	5.3	4.7	5.0	5.1	4.8
Male	108	95	103	107	108	100	4.7	4.8	4.4	4.7	4.8	4.4
Female	114	109	112	118	119	117	5.1	5.7	5.0	5.4	5.4	5.3

Not available.

<sup>1</sup>Day when a person cuts down on his usual activities for the whole day because of illness or injury. Includes bed-disability, work-loss, and school-loss days. Total includes other items not shown separately.

<sup>2</sup>Beginning 1980 race was determined by asking the household respondent to report his race. In earlier years the racial classification of respondents was determined by interviewer observation.

<sup>3</sup>Race of persons may be of any race.

<sup>4</sup>Includes those with unknown income.

<sup>5</sup>Day when a person was kept in bed either all or most of the day because of illness or injury. Includes those work-loss and school-loss days actually spent in bed.

<sup>6</sup>Day when a person lost the entire workday because of illness or injury. Computed for persons 17 years of age and over (beginning 1982, 16 years of age and over) in the currently employed population, defined as those who were working or had a job from which they were not on layoff during the 2-week period preceding the week of interview.

<sup>7</sup>Child's loss of entire school day because of illness or injury. Computed for children 5-16 years of age. Beginning 1982, for 5-17 years old.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10; and unpublished data.

## NO. 167. PERSONS INJURED, BY SEX, 1970 TO 1985, AND BY AGE AND PLACE, 1985

civilian noninstitutional population and comprises incidents leading to restricted activity and/or medical attention. 1975 and earlier 1982, data not strictly comparable with other years. See headnote, table 166. Based on National Health Interview Survey; see Appendix B.

AGE AND PLACE	PERSONS INJURED (millions)			RATE PER 100 POPULATION				PERSONS INJURED (millions)			RATE PER 100 POPULATION		
	Total	Male	Female	Total	Male	Female		Total	Male	Female	Total	Male	Female
1985, total <sup>1</sup>	68.8	34.6	28.0	28.8	30.8	28.1		68.8	34.6	28.0	28.8	30.8	28.1
Under 5 years	6.3	2.8	3.5	29.1	25.3	33.0		6.3	2.8	3.5	29.1	25.3	33.0
5-14 years	12.7	7.7	5.0	33.8	40.0	27.3		12.7	7.7	5.0	33.8	40.0	27.3
15-44 years	31.4	19.3	12.1	30.5	38.3	23.0		31.4	19.3	12.1	30.5	38.3	23.0
45-64 years	7.4	3.6	3.8	16.6	17.1	16.2		7.4	3.6	3.8	16.6	17.1	16.2
65 years and over	4.8	1.2	3.6	17.8	11.1	22.5		4.8	1.2	3.6	17.8	11.1	22.5
Home	21.6	9.7	11.9	9.3	8.6	9.9		21.6	9.7	11.9	9.3	8.6	9.9
Street or highway	7.1	3.8	3.5	3.1	3.2	2.9		7.1	3.8	3.5	3.1	3.2	2.9
Industrial	6.0	5.8	2.2	3.4	5.1	1.8		6.0	5.8	2.2	3.4	5.1	1.8
Other	17.1	12.0	5.0	7.3	10.7	4.2		17.1	12.0	5.0	7.3	10.7	4.2

Includes unknown place of accident, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10; and unpublished data.

NO. 168. PERCENT OF CHILDREN IMMUNIZED AGAINST SPECIFIED DISEASES, BY AGE-GROUP:  
1960 TO 1985

[Covers civilian noninstitutional population. Data are estimates from the Immunization Survey which is a supplemental questionnaire submitted to a subsample of households interviewed for the Current Population Survey (see text, section 1 and Appendix III). Subject to sampling variability; see source]

DISEASE	ALL RESPONDENTS										RESPONDENTS CONSULTING RECORDS, <sup>1</sup> 1980	
	1-4 YEARS OLD					5-14 YEARS OLD						
	1980, total	1984, total	1980			1980, total	1984, total	1985			1-4 years old	5-14 years old
			Total	White	Black and other			Total	White	Black and other		
Diphtheria-tetanus-pertussis <sup>2</sup> .....	66.3	65.7	84.9	68.7	48.7	74.0	73.8	73.7	76.0	84.0	87.0	93.0
Polio <sup>2</sup> .....	58.8	54.8	55.3	58.9	40.1	70.0	70.2	69.7	72.8	57.5	75.7	86.4
Measles.....	63.5	62.8	60.8	63.8	46.8	71.0	73.5	71.5	73.8	62.8	76.9	87.8
Rubella.....	63.5	60.9	58.9	61.6	47.7	74.0	72.4	70.2	72.3	61.4	73.8	85.3
Mumps.....	56.8	56.7	58.9	61.8	47.0	63.2	70.9	71.6	73.6	63.2	75.5	87.1

<sup>1</sup> Data are based only on the 29 percent of White respondents and the 15 percent of Black and other respondents who consulted records for some or all vaccination questions. <sup>2</sup> Three or more doses.

Source: U.S. Centers for Disease Control, Atlanta, GA, *United States Immunization Survey*, annual.

NO. 169. SPECIFIED REPORTABLE DISEASES—CASES REPORTED: 1960 TO 1986

[Figures should be interpreted with caution. Although reporting of some of these diseases is incomplete, the figures are of value in indicating trends of disease incidence. Includes cases imported from outside the U.S. See *Historical Statistics, Colonial Times to 1970*, series B 291-303, for related data]

DISEASE	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986 <sup>1</sup>
AIDS <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	199	744	2,117	4,445	8,249	13,008
Amebiasis.....	3,424	2,888	2,775	5,271	6,632	7,304	6,658	5,252	4,433	(NA)
Aseptic meningitis.....	1,593	6,480	4,475	8,028	9,547	9,680	12,695	8,326	10,619	10,748
Botulism <sup>3</sup> .....	12	12	20	69	103	97	133	123	122	91
Brucellosis (undulant fever).....	751	213	310	183	185	173	200	131	153	90
Chickenpox (1,000).....	( <sup>4</sup> )	( <sup>4</sup> )	154.2	190.9	200.8	167.4	177.5	222.0	178.2	(NA)
Diphtheria.....	918	435	307	3	5	2	5	1	3	-
Encephalitis:										
Primary infectious <sup>5</sup> .....	2,341	1,580	4,064	1,362	1,492	1,464	1,761	1,257	1,376	1,233
Post infectious <sup>5</sup> .....		370	237	40	43	36	34	108	181	69
Hepatitis: B (serum) (1,000).....		8.3	13.1	19.0	21.2	22.2	24.3	26.1	26.6	25.9
A (infectious) (1,000).....	41.7	56.8	35.9	29.1	25.8	23.4	21.5	22.0	23.2	23.1
Unspecified (1,000).....	( <sup>4</sup> )	( <sup>4</sup> )	7.2	11.9	11.0	8.6	7.1	5.5	5.5	4.4
Non-A, non-B (1,000).....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	2.8	3.5	3.9	4.2	3.5
Legionellosis.....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	654	652	750	830	833
Leprosy.....	54	129	162	223	256	250	259	290	361	254
Leptospirosis.....	53	47	93	85	62	100	61	40	57	40
Malaria.....	72	3,051	373	2,082	1,388	1,056	813	1,007	1,049	1,069
Measles (1,000).....	441.7	47.4	24.4	13.5	3.1	1.7	1.5	2.6	2.8	6.3
Meningococcal infections.....	2,259	2,506	1,476	2,840	3,525	3,056	2,736	2,748	2,479	2,481
Mumps (1,000).....	( <sup>4</sup> )	105.0	59.8	8.6	4.9	5.3	3.4	3.0	3.0	6.8
Pertussis <sup>6</sup> (1,000).....	14.8	4.2	1.7	1.7	1.2	1.9	2.5	2.3	3.8	4.2
Plague.....	2	13	20	18	13	19	40	31	17	10
Polomyelitis, acute.....	3,190	33	8	9	6	8	15	8	7	2
Psittacosis.....	113	35	49	124	138	152	142	172	119	96
Rabies, animal.....	3,567	3,224	2,627	6,421	7,118	6,212	5,878	5,567	5,565	5,297
Rabies, human.....	2	3	2	-	2	-	2	3	1	-
Rheumatic fever, acute <sup>7</sup> .....	9,022	3,227	2,854	432	264	137	88	117	90	(NA)
Rubella <sup>8</sup> (1,000).....	( <sup>4</sup> )	56.6	16.7	3.9	2.1	2.3	1.0	1.0	.8	.5
Salmonellosis <sup>9</sup> (1,000).....	6.9	22.1	22.6	33.7	40.0	40.9	44.3	40.9	65.3	(NA)
Shigellosis <sup>10</sup> (1,000).....	12.5	13.6	16.6	19.0	19.9	18.1	19.7	17.4	17.1	(NA)
Streptococcal sore throat, scarlet fever (1,000).....	315.2	433.4	<sup>11</sup> 330.8	<sup>11</sup> 370.0	<sup>11</sup> 342.2	<sup>11</sup> 259.7	<sup>11</sup> 214.0	(NA)	(NA)	(NA)
Tetanus.....	368	148	102	95	72	88	91	74	83	61
Toxic-shock syndrome.....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	502	482	364	363
Trichinosis.....	160	109	252	131	206	115	45	88	61	35
Tuberculosis <sup>12</sup> (1,000).....	55.5	37.1	34.0	27.7	27.4	25.5	23.8	22.3	22.2	22.6
Tularemia.....	390	172	129	234	288	275	310	291	177	167
Typhoid fever.....	816	346	375	510	584	425	507	390	402	322
Typhus fever:										
Flea-borne (endemic-murine).....	68	27	44	61	81	58	62	53	37	41
Tick-borne (Rocky Mt. spotted fever).....	204	380	844	1,163	1,192	976	1,126	838	714	781
Venereal diseases (civilian cases):										
Gonorrhea (1,000).....	259	600	1,000	1,004	991	961	900	879	911	88
Syphilis (1,000).....	122	91	80	69	73	76	75	70	68	(NA)
Other (1,000).....	2.8	2.2	1.1	1.0	1.2	1.6	1.2	1.0	2.3	(NA)

- Represents zero. NA Not available. <sup>1</sup> Preliminary. <sup>2</sup> Acquired immunodeficiency syndrome was not a notifiable disease until 1984. Figures are shown for years in which cases were reported to the CDC. <sup>3</sup> Beginning in 1975, included foodborne, infant, wound, and unspecified cases. <sup>4</sup> Disease was not notifiable. <sup>5</sup> Beginning 1975, reported data reflect no diagnostic categories. <sup>6</sup> Whooping cough. <sup>7</sup> Based on reports from States: 37 in 1960 and 1980, 36 in 1975, 36 in 1970 and 1981, 35 in 1982-1984, and 31 in 1985. <sup>8</sup> German measles. <sup>9</sup> Excludes typhoid fever. <sup>10</sup> Bacillary dysentery. <sup>11</sup> Based on reports from States: 41 in 1975 and 1980; 40 in 1981; 36 in 1982; and 34 in 1983. <sup>12</sup> Newly reported acid cases. New diagnostic standards introduced in 1975.

Source: U.S. Centers for Disease Control, Atlanta, GA, *Morbidity and Mortality Weekly Report* (annual supplements); 1986 data from vol. 35, No. 53, January 9, 1987.

No. 170. AIDS CASES REPORTED, BY PATIENT CHARACTERISTIC: 1981 TO 1987

[Provisional. For cases reported in the year shown. Data are subject to retrospective changes and may differ from these data in table 169]

CHARACTERISTIC	NUMBER							PERCENT DISTRIBUTION		
	Total	1981-82	1983	1984	1985	1986	1987 <sup>1</sup>	1981-82	1983	1987 <sup>1</sup>
Total .....	37,481	641	2,098	4,481	8,249	12,929	8,783	100.0	100.0	100.0
Age:										
Under 13 years old .....	497	13	34	47	127	169	107	1.4	1.5	1.2
13-29 years old .....	7,988	214	467	972	1,716	2,770	1,859	22.7	20.8	21.2
30-39 years old .....	17,468	440	949	2,130	3,877	6,026	4,046	48.8	47.0	48.1
40-49 years old .....	7,807	204	454	935	1,710	2,645	1,859	21.7	20.7	21.2
50-59 years old .....	2,745	65	164	314	620	950	632	6.9	7.5	7.2
60 years old and over .....	968	5	30	83	199	369	280	.5	2.4	3.2
Sex:										
Male .....	34,741	879	1,941	4,189	7,689	11,922	8,141	93.4	93.0	92.7
Female .....	2,740	62	157	292	560	1,007	642	6.6	7.0	7.3
Race/ethnic group:										
White, non-Hispanic .....	22,983	548	1,202	2,716	5,040	7,793	5,664	58.4	61.2	64.7
Black, non-Hispanic .....	9,243	260	559	1,117	2,076	3,245	1,986	27.7	25.2	22.7
Hispanic .....	4,908	127	310	610	1,071	1,768	1,022	13.5	13.0	11.7
Other .....	367	6	27	38	62	123	111	.4	.6	.9
Leading States: <sup>2</sup>										
New York .....	10,889	468	875	1,589	2,504	3,794	1,861	49.5	30.4	18.9
California .....	8,784	189	489	1,031	1,982	2,656	2,437	20.1	24.0	27.8
Florida .....	2,553	68	153	314	552	840	626	7.2	6.7	7.1
Texas .....	2,512	20	68	251	486	939	728	2.1	5.9	6.3
New Jersey .....	2,211	64	137	260	471	773	486	6.6	5.7	5.5
Illinois .....	1,002	23	34	102	192	363	286	2.4	2.3	3.3
Pennsylvania .....	862	18	37	91	195	298	223	1.9	2.4	2.5
Massachusetts .....	799	13	33	87	185	279	222	1.4	2.0	2.5
Georgia .....	783	11	28	56	192	286	210	1.2	2.3	2.4
Percent of total .....	81.1	92.7	69.2	64.8	81.7	79.1	78.3	(x)	(x)	(x)

X Not applicable. <sup>1</sup> January 1 until late June. <sup>2</sup> Nine States with at least 200 cases reported from January through June 1987.

Source: U.S. Centers for Disease Control, Atlanta, GA, unpublished data.

No. 171. ACUTE CONDITIONS, BY TYPE, 1970 TO 1985, AND BY SELECTED CHARACTERISTICS, 1985

[Covers civilian noninstitutional population. Estimates include only acute conditions which were medically attended or caused at least one day of restricted activity. Based on National Health Interview Survey; see Appendix III. See headnote, table 165. For composition of regions, see fig. 1, inside front cover]

YEAR AND CHARACTERISTIC	NUMBER OF CONDITIONS (mil.)					RATE PER 100 POPULATION				
	Infective and parasitic	Respiratory		Digestive system	Injuries	Infective and parasitic	Respiratory		Digestive system	Injuries
		Upper	Other				Upper	Other		
1970 .....	48.2	127.3	92.5	23.0	59.2	24.1	63.7	46.3	11.5	29.6
1975 .....	47.6	124.0	109.0	21.6	76.2	22.8	59.3	52.1	10.3	36.4
1978 .....	52.9	126.4	121.1	22.9	70.7	24.7	59.1	56.6	10.7	33.1
1979 .....	52.7	129.8	101.7	24.7	74.4	24.4	60.1	47.1	11.4	34.5
1980 .....	53.6	124.2	129.0	24.9	72.7	24.6	57.0	59.2	11.4	33.4
1981 .....	53.2	125.4	126.4	21.8	74.7	23.6	55.7	58.2	9.7	33.2
1982 .....	42.8	93.1	87.9	14.8	61.8	18.8	41.0	38.7	6.5	27.2
1983 .....	48.5	93.0	101.8	17.5	63.0	20.3	40.6	44.4	7.6	27.5
1984 .....	46.5	68.0	117.4	17.5	62.8	20.1	38.0	50.7	7.6	27.1
1985, total <sup>1</sup> .....	47.8	95.1	108.4	16.3	64.0	20.5	40.7	46.4	7.0	27.4
Under 5 years old .....	9.1	17.1	10.4	1.6	5.4	50.5	95.0	57.6	8.9	30.0
5-17 years old .....	17.5	26.8	27.2	4.4	15.4	39.0	59.9	60.7	9.9	34.3
18-24 years old .....	4.8	11.2	11.6	2.7	9.6	17.7	40.7	42.4	9.9	35.1
25-44 years old .....	12.4	23.1	37.0	3.7	21.0	17.2	32.0	51.4	5.1	29.2
45-64 years old .....	2.7	11.4	15.6	2.4	7.7	6.0	25.5	35.1	5.5	17.2
65 years old and over .....	1.4	5.6	6.7	1.5	5.0	5.1	20.6	24.7	5.4	18.5
Male .....	20.5	41.6	48.1	6.9	35.1	18.2	36.9	42.6	6.1	31.1
Female .....	27.3	53.5	60.3	9.4	28.9	22.6	44.2	49.9	7.8	23.9
White .....	43.2	82.0	99.9	13.2	55.4	21.7	41.2	50.1	6.6	27.8
Black .....	4.2	10.8	6.8	2.7	6.7	14.9	38.5	24.3	9.7	23.8
Northeast .....	12.2	20.6	19.4	3.0	11.5	24.5	41.4	39.1	5.9	23.1
Midwest .....	8.4	23.7	28.9	3.7	15.3	14.4	40.5	49.3	6.2	28.1
South .....	20.8	30.4	29.3	6.1	21.6	26.0	37.9	36.6	7.6	26.9
West .....	6.4	20.4	30.8	3.6	15.6	14.1	45.1	68.0	7.9	34.6
Family income:										
Under \$10,000 .....	4.6	16.2	14.2	3.0	10.8	13.9	46.7	40.9	6.8	31.1
\$10,000-\$19,999 .....	8.5	19.2	25.0	2.8	12.9	18.2	41.0	53.3	6.0	27.6
\$20,000-\$34,999 .....	15.3	25.3	29.3	4.9	19.3	23.4	36.7	44.8	7.5	29.6
\$35,000 or more .....	14.4	22.8	28.5	3.7	14.7	25.1	39.6	49.6	6.4	26.6

<sup>1</sup> Includes other races and unknown income, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.



## No. 172. PERSONS WITH SELECTED CHRONIC CONDITIONS, BY AGE AND SEX: 1980 AND 1985

[See headnote, table 173]

CHRONIC CONDITION	1980		1985								
	Persons with condition (1,000)	Rate <sup>1</sup>	Persons with condition (1,000)	RATE <sup>1</sup>							
				Total	Under 18 yrs.	18-44 yrs.	45-64 yrs.	65-74 yrs.	75 yrs. and over	Male	Female
Heart conditions	16,434	75.4	19,295	82.6	21.2	40.1	129.0	278.6	349.1	76.5	88.4
High blood pressure (Hypertension)	24,919	114.3	29,249	125.1	* 2.3	■ ■ ■	256.9	■ ■ ■	394.6	114.8	134.8
Venose veins of lower extremities	5,930	27.2	7,141	30.6	* 3	■ ■ ■	55.1	68.1	87.8	14.2	45.8
Hemorrhoids	8,618	39.5	10,359	44.3	* 1.4	54.7	71.0	86.7	53.9	■ ■ ■	48.2
Chronic bronchitis	7,899	36.1	11,618	48.7	55.5	40.5	54.3	67.0	56.9	38.3	80.3
Asthma	6,803	31.2	8,612	36.6	47.8	33.4	26.2	48.3	22.2	34.2	39.3
Chronic sinusitis	31,958	145.0	32,482	139.0	58.6	184.4	184.8	151.2	180.0	120.5	158.3
Hay fever, allergic rhinitis without asthma	17,433	80.0	19,642	84.0	50.3	111.2	80.2	90.8	85.0	77.0	80.6
Dermatitis, including eczema	6,138	41.9	9,105	38.0	44.5	44.2	26.4	27.3	19.6	31.6	45.8
Diseases of sebaceous glands <sup>2</sup>	5,048	23.2	6,238	26.7	29.4	37.5	12.1	* 6.1	* 2.2	23.5	29.7
Arthritis	27,773	127.4	30,060	128.6	* 2.2	52.1	268.5	459.3	494.7	88.7	164.9
Diabetes	5,865	26.0	6,134	26.2	* 1.9	9.1	51.9	106.9	95.5	24.0	28.3
Migraine	5,830	25.8	6,318	26.6	12.7	52.9	41.1	20.8	* 6.5	16.8	51.3
Diseases of urinary system	5,444	25.0	7,322	31.3	5.7	30.0	44.9	61.8	92.0	15.7	46.9
Visual impairments	7,984	36.6	8,496	36.4	10.8	32.8	43.7	76.4	128.8	47.6	25.8
Hearing impairments	17,370	79.7	21,196	80.7	19.2	49.8	159.0	■ ■ ■	■ ■ ■	107.4	76.1
Deformities or orthopedic impairments	18,504	84.9	26,314	112.6	33.2	125.3	180.6	167.9	175.5	106.7	116.2

<sup>1</sup> Rate per 1,000 persons. <sup>2</sup> Figure does not meet standards of reliability or precision. <sup>3</sup> Acne and sebaceous skin cyst.

Source: U.S. National Center for Health Statistics, unpublished data.

## No. 173. PERSONS WITH ACTIVITY LIMITATION, BY SELECTED CHRONIC CONDITIONS: 1980 AND 1985

[Covers civilian noninstitutional population. Conditions classified according to ninth revision of International Classification of Diseases. Based on National Health Interview Survey; see Appendix III. See headnote, table 166]

CONDITION	Total <sup>1</sup>	AGE			SEX		RACE		FAMILY INCOME		
		Under 45 years	45-64 years	65 years and over	Male	Female	White	Black	Under \$20,000	\$20,000 to \$34,999	\$35,000 and over
1980											
Persons with limitation (mil.)	31.4	10.2	10.4	10.8	15.5	15.8	27.1	3.8	(NA)	(NA)	(NA)
Percent limited by—											
Heart conditions	16.4	4.3	18.7	24.5	16.0	14.7	16.6	15.2			
Arthritis and rheumatism	17.5	5.4	20.0	26.6	11.0	23.7	17.4	18.3			
Hypertension <sup>2</sup>	9.9	3.3	13.2	13.1	7.7	12.1	6.6	19.2			
Impairment of back/spine	9.2	13.9	9.9	4.0	9.1	9.2	■	7.7			
Impairment of lower extremities and hips	8.0	10.7	7.2	6.4	9.0	7.1	8.1	7.2			
Percent of all persons with—											
No activity limitation	65.6	83.2	76.1	54.8	85.3	85.9	85.6	84.9			
Activity limitation	14.4	6.8	23.9	45.2	14.7	14.1	14.4	15.1			
In major activity	10.9	4.2	18.8	39.0	11.2	10.6	10.8	12.2			
1985											
Persons with limitation (mil.)	32.7	11.6	10.4	10.7	15.3	17.4	28.0	4.1	16.8	7.1	4.7
Percent limited by—											
Heart conditions	17.4	4.7	21.5	27.1	16.2	16.7	17.5	16.9	21.5	14.4	14.8
Arthritis and rheumatism	18.9	5.4	22.8	29.7	12.4	24.6	18.9	20.3	25.0	14.3	13.5
Hypertension <sup>2</sup>	10.5	2.9	15.2	14.2	7.9	12.8	9.0	21.3	15.1	7.0	5.3
Impairment of back/spine	9.2	12.5	10.4	4.4	8.9	9.4	9.4	7.0	9.1	11.0	10.8
Impairment of lower extremities and hips	8.9	10.7	8.2	7.6	9.4	8.5	9.0	8.1	10.1	6.5	9.6
Percent of all persons with—											
No activity limitation	66.0	82.8	76.6	60.4	86.4	85.6	85.9	85.5	79.7	69.2	61.8
Activity limitation	14.0	7.2	23.4	39.6	13.6	14.4	14.1	14.5	20.3	10.8	8.1
In major activity	9.5	4.9	17.5	24.1	9.7	9.4	9.4	11.1	14.2	7.3	5.1

NA: Not available. <sup>1</sup> Includes persons with unknown family income and other races, not shown separately. <sup>2</sup> Covers all cases of hypertension, regardless of other conditions.

Source: U.S. National Center for Health Statistics, Vital and Health Statistics, series 10, and unpublished data.



No. 174. FUNCTIONAL LIMITATIONS OF PERSONS 65 YEARS OLD AND OVER: 1984

[In thousands, except percent. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 41, 42, 175, and 598]

FUNCTIONAL LIMITATION	Per- sons 65 years and over	AGE							LIVING—	
		65–74 years old			75–84 years old			65 years and over	Alone	With others
		Total	Male	Fe- male	Total	Male	Fe- male			
Total, 95 years and over .....	28,433	16,298	7,076	9,213	8,249	3,128	5,121	1,997	8,397	18,036
Percent with difficulty <sup>1</sup> in—										
Walking .....	18.7	14.2	12.9	15.1	22.9	16.3	25.7	39.9	20.4	17.9
Getting outside .....	9.6	5.6	4.5	6.5	12.3	7.5	15.3	31.3	9.7	9.5
Bathing or showering .....	9.8	8.4	5.7	8.9	12.3	9.2	14.2	27.9	9.9	9.7
Transferring <sup>2</sup> .....	8.0	6.1	4.8	7.0	9.2	6.0	11.2	19.3	6.8	7.6
Dressing .....	6.2	4.3	4.4	4.2	7.6	7.3	7.7	16.6	5.0	6.8
Using toilet .....	4.3	2.8	2.4	2.7	5.4	3.6	6.5	14.1	3.4	4.7
Eating .....	1.6	1.2	1.5	.9	2.5	2.5	2.4	4.4	1.2	2.1
Preparing meals .....	7.1	4.0	3.0	4.8	8.8	6.0	10.5	26.1	6.0	7.6
Shopping for personal items .....	11.3	8.4	4.6	7.8	15.0	9.8	18.4	37.0	11.9	11.0
Managing money .....	5.1	2.2	2.8	1.8	8.3	5.4	6.8	24.0	4.0	5.5
Using the telephone .....	4.8	2.7	3.5	2.0	6.0	7.9	4.8	17.5	2.6	5.8
Doing heavy housework .....	23.8	18.6	11.2	24.3	26.7	15.9	36.4	47.8	26.0	21.9
Doing light housework .....	7.1	4.3	3.5	5.0	8.9	6.2	10.5	23.6	6.6	7.4
Percent not performing activity—										
Preparing meals .....	5.2	4.8	9.8	.5	5.5	12.0	1.6	8.9	1.1	7.1
Shopping for personal items .....	2.0	1.1	1.9	.5	2.5	2.9	2.3	7.5	2.2	1.9
Managing money .....	1.9	1.3	1.6	1.1	2.2	2.1	2.2	5.9	.8	2.4
Using the telephone .....	.8	.5	.8	.3	.9	1.4	.6	2.1	.8	.7
Doing heavy housework .....	9.7	8.1	12.7	4.8	11.5	16.3	8.6	15.9	7.1	11.0
Doing light housework .....	3.5	2.8	6.1	.3	4.0	7.8	1.7	7.1	.7	4.8
Percent of total receiving help <sup>3</sup> —										
Walking .....	4.7	2.9	2.8	2.9	5.7	3.7	6.9	15.3	2.4	5.7
Getting outside .....	5.3	2.7	2.2	3.1	8.9	3.7	6.8	21.2	4.1	5.9
Bathing or showering .....	8.0	3.3	3.3	3.3	7.7	6.6	8.4	21.0	3.6	7.0
Transferring <sup>2</sup> .....	2.8	1.8	1.7	1.8	3.6	2.7	4.1	9.0	1.0	3.7
Dressing .....	4.3	2.9	3.3	2.7	5.1	5.7	4.7	13.3	1.7	5.6
Using toilet .....	2.2	1.2	1.4	1.1	2.9	2.3	3.2	9.2	.7	3.0
Eating .....	1.1	.6	.9	.5	1.5	1.8	1.4	2.7	.3	1.4
Preparing meals .....	6.0	3.3	2.8	3.7	7.1	5.4	8.2	23.7	3.6	7.0
Shopping for personal items .....	10.5	5.8	4.3	6.9	14.1	8.9	17.2	35.9	10.4	10.6
Managing money .....	4.8	2.1	2.6	1.7	5.8	5.0	6.3	23.5	3.6	5.3
Using the telephone .....	3.0	1.5	2.0	1.1	3.9	5.0	3.2	11.7	.9	3.9
Doing heavy housework .....	19.3	14.5	9.3	18.5	23.1	12.7	29.4	44.1	20.1	18.9
Doing light housework .....	6.2	3.6	3.2	4.0	7.6	5.7	8.7	21.6	4.5	6.9
Percent of those with difficulty <sup>1</sup> receiving help <sup>3</sup> —										
Walking .....	24.8	20.4	21.8	19.4	24.9	20.2	28.9	36.3	11.8	31.7
Getting outside .....	55.8	48.0	49.4	47.3	55.7	49.4	57.5	68.0	42.0	62.4
Bathing or showering .....	80.9	51.9	58.4	47.9	62.6	71.8	59.1	75.1	36.5	72.5

<sup>1</sup> Difficulty due to a health or physical problem.  
<sup>2</sup> Getting in or out of a bed or chair.  
<sup>3</sup> Receiving help due to a health-related problem with the specified difficulty.

Source: U.S. National Center for Health Statistics, *Aging in the Eighties: Functional Limitations of Individuals Age 65 Years and Over*, June 1987, and unpublished data from the Supplement on Aging to the 1984 National Health Interview Survey.

No. 175. IMPAIRED HEARING AND SIGHT AND PREVALENCE OF SELECTED CONDITIONS OF PERSONS  
65 YEARS OLD AND OVER: 1984

[In thousands, except percent. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 41, 42, 174, and 506]

IMPAIRMENT OR CONDITION	65 years and over	AGE							LIVING—	
		65-74 years old			75-84 years old			85 years and over	Alone	With others
		Total	Male	Female	Total	Male	Female			
Total, 65 years and over.....	26,433	16,096	7,076	9,213	8,240	3,126	5,121	1,987	8,367	16,036
Percent with—										
Hearing impairment .....	26.7	23.2	30.3	17.7	34.3	42.3	29.5	51.4	26.9	29.5
Deafness in—										
One ear .....	6.9	6.0	7.2	5.0	7.7	9.1	6.9	11.4	6.6	7.1
Both ears .....	4.8	3.0	4.1	2.2	6.1	7.6	5.3	14.0	4.7	4.8
Using hearing aid.....	8.2	5.7	7.0	4.7	10.7	13.6	8.9	19.0	7.6	8.5
Visual impairment .....	12.9	9.6	10.1	9.3	15.9	17.0	15.3	27.8	13.4	12.6
Blindness in—										
One eye.....	3.1	2.2	2.6	1.7	4.2	5.2	3.5	5.9	3.1	3.1
Both eyes.....	1.2	.7	.7	.6	1.5	1.6	1.3	4.5	.9	1.3
Cataracts.....	16.4	12.4	9.3	14.8	26.4	21.1	29.6	35.2	22.8	16.3
Operation for cataracts.....	10.4	6.7	6.6	6.7	15.2	13.8	16.1	20.7	12.5	9.4
Using eyeglasses.....	95.1	95.4	94.3	96.2	95.4	93.3	96.7	91.4	94.6	95.2
Arthritis or rheumatism.....	52.5	51.0	43.9	56.5	55.2	43.9	62.1	53.3	57.2	50.3
Coronary heart disease.....	15.4	14.6	18.1	11.9	18.9	19.0	15.7	16.4	13.6	16.2
Hypertension .....	44.1	42.8	36.3	46.3	46.4	34.7	53.5	44.4	46.7	42.6

Source: U.S. National Center for Health Statistics, unpublished data from the Supplement on Aging to the 1984 National Health Interview Survey.

No. 176. CANCER—ESTIMATED NEW CASES, 1986, AND SURVIVAL RATES, 1974-1976 AND 1977-1983

[Five-year survival rates represent the number of persons who live at least five years after a disease is diagnosed per 100 persons diagnosed with the disease in a given time period. Survival data shown are based on those patients diagnosed while residents of an area listed below during the time periods shown. Data are based on information collected as part of the National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) program, a collection of population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound, and San Francisco-Oakland]

SITE	ESTIMATED NEW CASES, <sup>1</sup> 1986 (1,000)			FIVE-YEAR RELATIVE SURVIVAL RATES (percent)					
				All races <sup>2</sup>		White		Black	
	Total	Male	Female	1974-1976	1977-1983	1974-1976	1977-1983	1974-1976	1977-1983
All sites <sup>3</sup> .....	980	465	465	49	49	50	50	26	26
Lung.....	149	100	49	12	13	12	13	11	11
Breast.....	124	1	123	<sup>4</sup> 74	<sup>4</sup> 74	<sup>4</sup> 74	<sup>4</sup> 75	<sup>4</sup> 63	<sup>4</sup> 62
Colon.....	96	45	53	50	53	50	53	45	47
Prostate.....	90	90	(x)	66	70	67	71	57	62
Rectum.....	42	22	20	48	50	46	50	41	37
Bladder.....	41	29	12	72	75	73	76	47	53
Corpus uteri.....	36	(x)	36	88	83	89	85	62	54
Oral cavity and pharynx.....	30	20	10	53	50	54	53	36	31
Non-Hodgkin's lymphoma <sup>5</sup> .....	27	14	13	47	46	47	49	47	46
Leukemia <sup>5</sup> .....	26	14	12	33	33	33	33	30	26
Pancreas.....	26	13	13	3	3	3	2	2	4
Stomach.....	25	15	10	15	17	14	16	16	16
Melanoma of skin.....	23	12	11	79	80	79	60	(NA)	(NA)
Kidney.....	20	13	7	51	50	51	50	46	53
Ovary.....	19	(x)	19	36	36	36	36	41	26
Cervix uteri.....	14	(x)	14	66	66	69	67	63	60

NA Not available. X Not applicable. <sup>1</sup> Estimates provided by American Cancer Society are based on rates from the National Cancer Institute's SEER program 1977-1981. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> Includes other sites, not shown separately. <sup>4</sup> Female only. <sup>5</sup> All types combined.

Source: U.S. National Institutes of Health, National Cancer Institute, *Annual Cancer Statistics Review*.

No. 177. PERSONS WITH KNOWN CASE OF DIABETES, BY SELECTED CHARACTERISTICS: 1984-85

[Covers civilian noninstitutional population. Annual average. Based on subsamples of households in the National Health Interview Survey; see Appendix III]

SEX AND RACE	NUMBER (1,000)					RATE PER 1,000 POPULATION				
	Total <sup>1</sup>	Persons 20 years old and over				Total <sup>1</sup>	Persons 20 years old and over			
		Total	20-44 years	45-64 years	65 years and over		Total	20-44 years	45-64 years	65 years and over
Total persons with known diabetes...	5,889	6,953	982	2,321	2,780	28.1	38.8	9.8	52.3	102.8
Male .....	2,567	2,511	384	1,075	1,072	22.8	32.7	8.2	50.9	97.9
Female .....	3,502	3,442	518	1,246	1,678	29.1	40.0	11.0	53.5	106.3
White .....	4,929	4,826	728	1,815	2,283	24.8	34.2	9.3	46.4	94.4
Black and other .....	1,140	1,127	154	506	467	33.5	52.7	11.4	95.8	182.8
Black .....	1,054	1,041	143	471	427	37.7	80.0	13.3	108.3	192.3

<sup>1</sup> Includes persons under 20 years old, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 178. PERSONAL HEALTH PRACTICES, BY SELECTED CHARACTERISTIC: 1985

[In percent. For persons 18 years of age and over. Based on National Health Interview Survey; see Appendix III]

CHARACTERISTIC	Sleeps 6 hours or less	Never eats breakfast	Snacks every day	Less physically active than contemporaries	Had 5 or more drinks on any one day <sup>1</sup>	Current smoker	30 percent or more above desirable weight <sup>2</sup>
All persons <sup>3</sup> .....	22.0	24.3	38.0	16.4	37.5	30.1	13.0
AGE							
18-29 years old .....	19.8	30.4	42.2	17.1	54.4	31.9	7.5
30-44 years old .....	24.3	30.1	41.4	18.3	39.0	34.5	13.6
45-64 years old .....	22.7	21.4	37.9	15.3	24.6	31.6	18.1
65 years old and over .....	20.4	7.5	30.7	13.5	12.2	16.0	13.2
65-74 years old .....	19.7	9.0	32.4	15.8	(NA)	19.7	14.9
75 years old and over .....	21.5	5.1	27.8	9.8	(NA)	10.0	10.3
SEX							
Male .....	22.7	25.2	40.7	16.5	49.3	32.6	12.1
Female .....	21.4	23.6	37.5	16.3	23.3	27.8	13.7
RACE							
White .....	21.3	24.5	39.4	16.7	38.3	29.6	12.4
All other .....	26.6	23.2	36.3	14.3	29.9	33.1	16.4
Black .....	27.8	23.6	37.2	13.9	29.3	34.9	18.7
Other .....	21.4	21.5	32.6	16.5	33.3	24.8	6.7
EDUCATION LEVEL							
Less than 12 years .....	23.3	22.6	37.8	12.3	35.9	35.4	17.5
12 years .....	21.9	26.5	39.6	16.5	38.9	33.4	13.4
More than 12 years .....	21.2	23.3	39.2	19.1	36.8	23.1	9.4
FAMILY INCOME							
Less than \$7,000 .....	24.4	22.4	37.0	13.5	(NA)	31.1	16.1
\$7,000 to \$14,999 .....	21.6	22.9	37.4	14.7	(NA)	33.4	15.3
\$15,000 to \$24,999 .....	21.2	24.9	40.3	16.8	(NA)	32.2	13.4
\$25,000 to \$39,999 .....	22.4	26.1	41.2	17.2	(NA)	30.0	12.1
\$40,000 or more .....	21.8	25.4	39.9	19.4	(NA)	25.2	9.4

NA Not available. <sup>1</sup> Percent of drinkers who had 5 or more drinks on any one day in the past year. <sup>2</sup> Based on 1980 Metropolitan Life Insurance Company standards. Data are self-reported. <sup>3</sup> Excludes persons whose health practices are unknown.

Source: U.S. National Center for Health Statistics, unpublished data.

### NO. 179. FREQUENCY OF ALCOHOL CONSUMPTION BY SEX, AGE, AND FAMILY INCOME: 1984

[In percent. Covers persons 18 years old and over living in households in the 48 contiguous States. Based on a sample survey of approximately 2,100 persons conducted in the last months of 1984. Data are subject to sampling variability. Survey responses are based on self-reported consumption of beer, wine, and distilled spirits]

FREQUENCY OF ALCOHOL CONSUMPTION	Total	SEX		AGE			FAMILY INCOME			
		Male	Female	20-34 years	35-54 years	55 yr. and over	Less than \$6,000	\$6,000-\$15,000	\$15,001-\$30,000	\$30,001 and over
Never or less often than once a year	31	24	36	22	26	45	46	39	27	20
At least once a year, less often than once a week	34	27	39	37	35	29	29	32	38	32
Once or twice a week	14	17	12	17	14	10	13	14	13	17
Three or more times a week	22	32	13	23	23	15	13	16	21	32
Percent who drink 5 or more drinks, at one sitting at least once a year <sup>1</sup>	43	56	30	56	42	21	43	43	42	47

<sup>1</sup> Based on number of persons who drink alcohol.

Source: Medical Research Institute of San Francisco, Alcohol Research Group, Berkeley, CA, unpublished data.

### NO. 180. DRUG USE, BY TYPE OF DRUG AND AGE GROUP: 1974 AND 1985

[Current users are those who used drugs at least once within month prior to this study. 1985 data preliminary. For 1989, based on national samples of 8,038 respondents. Subject to sampling variability; see source]

TYPE OF DRUG	PERCENT OF PERSONS 12-17 YEARS OLD				PERCENT OF PERSONS 18-25 YEARS OLD				PERCENT OF PERSONS 26 YEARS OLD AND OVER			
	Ever used		Current user		Ever used		Current user		Ever used		Current user	
	1974	1985	1974	1985	1974	1985	1974	1985	1974	1985	1985	1985
Marihuana	23.0	23.7	12.0	12.3	52.7	60.5	25.2	21.9	9.9	27.2	2.0	8.2
Inhalants	8.5	9.1	7	3.8	9.2	12.8	(Z)	1.0	1.2	5.0	(Z)	.8
Hallucinogens	6.0	3.2	1.3	1.1	16.6	11.5	2.5	1.6	1.3	6.2	(Z)	(Z)
Cocaine	3.6	5.2	1.0	1.8	12.7	25.2	3.1	7.7	.9	9.5	(Z)	2.1
Heroin	1.0	(Z)	(Z)	(Z)	4.5	1.2	(Z)	(Z)	.5	1.1	(Z)	(Z)
Analgesics <sup>1</sup>	(NA)	5.9	(NA)	1.9	(NA)	11.4	(NA)	2.1	(NA)	6.6	(NA)	.9
Stimulants <sup>1</sup>	5.0	5.5	1.0	1.6	17.0	17.3	3.7	4.0	3.0	7.9	(Z)	.7
Sedatives <sup>1</sup>	5.0	4.0	1.0	1.1	15.0	11.0	1.6	1.7	2.0	6.2	(Z)	.7
Tranquilizers <sup>1</sup>	3.0	4.8	1.0	.8	10.0	12.2	1.2	1.7	2.0	7.1	(Z)	1.0
Alcohol	54.0	55.9	34.0	31.5	81.6	82.8	69.3	71.5	73.2	89.3	54.5	60.7
Cigarettes	62.0	45.9	25.0	15.6	66.6	76.0	48.8	37.2	65.4	60.5	39.1	32.8

NA: Not available. Z: Less than .5 percent. <sup>1</sup> Nonmedical use.

Source: U.S. National Institute on Drug Abuse, *Main Findings From the 1985 National Household Survey on Drug Abuse*, forthcoming.

### NO. 181. CURRENT USERS OF ALCOHOL, MARIHUANA, AND/OR COCAINE: 1985

[In percent. See headnote, table 180. For definition of regions see fig. 1, inside front cover]

SUBSTANCE AND AGE GROUP	Total <sup>1</sup>	SEX		RACE/ETHNICITY			REGION			
		Male	Female	White <sup>2</sup>	Black <sup>2</sup>	Hispanic	North-east	North Central	South	West
Alcohol: Total	59.2	67.9	51.2	61.8	47.8	50.5	69.1	64.8	47.2	65.0
12-17 years old	31.5	32.7	29.0	34.8	21.3	22.8	33.5	33.5	26.1	38.0
18-25 years old	71.5	78.4	64.5	76.6	57.8	58.0	76.6	77.6	64.5	68.9
26-34 years old	70.0	79.8	60.6	72.2	65.9	65.5	76.7	75.1	59.3	72.6
35 years old and over	67.3	67.8	48.3	59.3	43.9	49.3	65.1	62.6	42.7	67.6
Marihuana: Total	9.4	12.3	6.6	9.1	13.2	7.4	10.2	9.5	8.0	10.9
12-17 years old	12.3	13.2	11.2	13.2	6.2	9.9	13.3	11.6	8.9	17.1
18-25 years old	21.9	25.5	17.0	22.2	24.1	14.6	19.8	23.1	21.5	22.8
26-34 years old	16.6	22.4	11.4	16.9	22.8	10.1	18.0	17.0	15.2	17.7
35 years old and over	2.2	3.3	1.3	1.8	5.8	1.9	3.8	1.4	1.3	2.6
Cocaine: Total	2.9	3.9	2.0	3.0	3.2	2.4	3.5	2.9	1.4	5.2
12-17 years old	1.8	2.0	1.4	1.8	1.1	2.7	2.7	.8	.5	3.9
18-25 years old	7.7	9.0	6.2	6.0	6.5	6.4	7.5	8.2	3.9	12.7
26-34 years old	9.1	6.6	3.8	6.8	6.6	2.7	6.6	4.7	3.8	11.4
35 years old and over	.5	.7	.3	.4	1.4	.2	1.2	.1	.1	.7

<sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Non-Hispanic.

Source: U.S. National Institute on Drug Abuse, *Main Findings From the 1985 National Household Survey on Drug Abuse*, forthcoming.

## No. 182. CIGARETTE SMOKING BY SEX AND AGE: 1970 TO 1985

[1970 and 1985, civilian noninstitutional population, 17 years old and over; 1983, 18 years old and over; 1986, 20 years old and over. Based on National Health Interview Survey; see Appendix II. Smoking data were obtained from self-respondents only.]

YEAR, SEX AND AGE	Unit	Total population <sup>1</sup>	Persons who never smoked	Persons who ever smoked <sup>2</sup>	Former smokers	PRESENT SMOKERS			
						Total <sup>3</sup>	Cigarettes smoked per day (heaviest amount)		
							Under 15	15-24	25 or more
1970: Both sexes	1,000	123,132	88,878	72,878	23,898	48,918	18,517	28,838	10,983
Percent of total	Percent	100.0	44.8	54.8	17.9	38.7	11.7	15.5	8.2
Male	1,000	62,310	19,144	42,773	15,881	26,912	7,183	11,458	7,119
Percent of total	Percent	100.0	30.7	68.8	25.5	43.2	11.5	18.4	11.4
Female	1,000	70,822	40,531	29,905	7,988	21,907	8,354	9,170	3,844
Percent of total	Percent	100.0	57.2	42.2	11.3	30.9	11.8	12.9	5.4
1980: Both sexes <sup>4</sup>	1,000	188,798	74,088	85,873	33,138	52,442	18,208	21,808	14,748
Percent of total	Percent	100.0	48.1	53.2	20.6	32.6	9.5	13.6	9.2
Male	1,000	75,970	26,908	48,423	20,672	27,751	8,588	11,543	9,145
Female	1,000	84,828	47,180	37,149	12,458	24,690	8,611	10,265	5,603
1983: Both sexes	1,000	188,714	78,794	88,884	38,218	53,473	18,861	23,408	13,888
Percent of total	Percent	100.0	48.1	53.8	21.7	32.1	9.2	14.0	8.2
Male	1,000	78,727	28,770	49,798	22,232	27,567	8,508	11,607	8,735
Female	1,000	87,987	48,024	38,885	13,978	25,907	8,853	11,563	4,915
1986: Both sexes	1,000	183,883	71,888	88,710	38,918	48,798	14,883	20,887	13,121
Percent of total	Percent	100.0	43.7	54.2	24.4	29.8	9.2	12.4	8.0
Male	1,000	77,187	28,888	48,187	24,888	25,881	8,481	10,188	8,179
Percent of total	Percent	100.0	34.1	63.6	31.2	32.4	8.3	13.2	10.8
20-24 years	1,000	9,788	5,483	4,006	1,088	2,837	1,023	1,405	501
25-44 years	1,000	38,100	12,887	21,836	8,610	13,026	3,258	5,237	4,454
45-64 years	1,000	21,215	5,104	15,837	6,707	8,931	1,461	2,719	2,708
65 years and over	1,000	11,105	3,038	7,826	5,702	2,127	882	833	518
Female	1,000	86,806	45,887	38,802	15,831	23,771	8,581	18,874	4,848
Percent of total	Percent	100.0	52.4	45.8	18.3	27.5	9.8	11.8	5.7
20-24 years	1,000	10,985	5,720	4,387	1,100	3,287	1,548	1,345	388
25-44 years	1,000	36,904	18,236	18,882	8,523	11,538	3,005	4,825	2,738
45-64 years	1,000	23,287	11,153	11,746	4,903	8,842	2,238	2,887	1,540
65 years and over	1,000	15,939	10,180	5,408	3,305	2,103	888	907	275

<sup>1</sup> Includes persons for whom smoking status is unknown. <sup>2</sup> Excludes smokers with unknown present smoking status. <sup>3</sup> Includes smokers for whom the number of cigarettes smoked per day is unknown. <sup>4</sup> Estimates are based on data collected for 2 quarters, July-December, 1980.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, vol. 21, No. 3 supplement, June 1972; and unpublished data.

## No. 183. CUMULATIVE PERCENT DISTRIBUTION OF POPULATION BY HEIGHT AND SEX: 1976-1980

[For persons 18 to 74 years old. Height was measured without shoes. Based on sample and subject to sampling variability; see source.]

HEIGHT	MALES						FEMALES					
	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years
Percent under—												
4'8"	-	-	-	-	-	-	.05	-	10	.28	.48	1.04
4'9"	-	-	-	-	-	-	.43	■	■	.35	1.07	2.27
4'10"	-	-	-	-	-	-	.94	.64	.95	1.22	3.02	4.23
4'11"	-	-	-	-	-	-	2.22	1.85	1.94	4.20	6.43	9.39
5'	18	.06	.27	-	.27	.24	4.22	3.85	4.58	8.68	11.40	17.20
5'1"	16	.31	.34	19	.72	1.22	9.13	8.80	7.75	18.16	19.70	28.00
5'2"	.34	.42	.87	70	.92	2.88	17.75	19.11	18.24	27.88	31.71	44.34
5'3"	.81	.54	2.07	1.50	2.78	5.97	29.08	32.98	33.11	38.83	■	58.15
5'4"	2.37	1.55	3.88	2.56	5.28	10.53	41.81	47.43	49.80	57.21	63.88	78.44
5'5"	3.85	4.38	6.35	5.72	9.29	18.31	58.09	61.36	63.88	70.47	77.44	88.87
5'6"	8.24	9.51	14.88	11.38	17.54	29.42	74.75	74.82	78.07	84.64	88.91	94.83
5'7"	18.16	15.25	17.83	21.24	28.10	41.83	85.37	85.55	87.95	91.21	94.58	97.88
5'8"	28.85	28.89	28.40	33.86	43.53	57.75	92.30	93.28	93.43	98.28	97.70	98.20
5'9"	36.88	39.88	42.82	50.39	58.21	69.06	96.23	97.19	97.18	98.17	98.38	98.81
5'10"	53.88	55.38	57.01	63.36	71.51	81.95	98.34	98.48	98.19	98.58	98.78	99.02
5'11"	68.25	69.67	70.70	78.94	83.09	89.59	98.36	98.68	98.38	98.84	98.81	100.00
6'	80.14	81.58	81.15	86.83	89.88	94.52	-	-	-	-	-	-
6'1"	88.54	89.85	90.04	93.43	96.28	97.82	-	-	-	-	-	-
6'2"	92.74	95.57	95.05	96.01	97.88	98.17	-	-	-	-	-	-
6'3"	98.17	97.88	97.82	98.35	98.80	98.88	-	-	-	-	-	-
6'4"	98.40	98.23	98.19	98.70	98.79	100.00	-	-	-	-	-	-

- Represents or rounds to zero.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 238.

## NO. 184. PER CAPITA CONSUMPTION OF MAJOR FOOD COMMODITIES: 1960 TO 1986

[In pounds, except as indicated. Consumption represents the residual after exports, nonfood use, and ending stocks are subtracted from the sum of beginning stocks, domestic production, and imports. Based on Bureau of the Census population estimates. For similar but unrevised data, see *Historical Statistics, Colonial Times to 1970*, series G 881-915]

COMMODITY	1960	1970	1975	1980	1982	1983	1984	1985	1986, prel.
Red meat, total (retail weight).....	144.0	162.8	153.9	157.2	148.0	153.0	152.9	153.2	150.5
Beef.....	64.2	84.0	87.9	76.5	77.2	78.6	78.5	79.1	79.8
Veal.....	5.2	2.4	3.4	1.5	1.7	1.8	1.8	1.8	1.9
Lamb and mutton.....	4.3	2.9	1.8	1.4	1.5	1.5	1.5	1.4	1.4
Pork (excluding lard).....	60.3	62.3	50.7	68.3	59.0	62.2	61.8	62.1	58.6
Offals, edible.....	10.0	11.2	10.2	9.5	8.6	9.1	9.3	8.8	8.8
Fish (edible weight).....	10.3	11.8	12.2	12.8	12.3	13.1	13.7	14.4	14.7
Fresh and frozen.....	5.7	6.9	7.5	8.0	7.7	8.0	8.5	9.0	9.0
Fish.....	3.8	4.5	4.9	5.5	5.1	5.2	5.5	5.2	5.4
Shellfish.....	1.9	2.4	2.8	2.5	2.6	2.8	3.0	3.8	3.6
Canned.....	4.0	4.5	4.3	4.5	4.3	4.8	4.9	5.2	5.4
Tuna.....	(NA)	2.5	2.9	2.9	2.7	3.1	3.2	3.3	3.6
Cured.....	.6	.4	.4	.3	.3	.3	.3	.3	.3
Poultry products:									
Chicken (ready-to-cook).....	27.8	40.0	40.1	50.1	53.1	53.8	55.6	58.0	59.1
Turkey (ready-to-cook).....	6.2	8.0	8.5	10.5	10.7	11.3	11.4	12.1	13.4
Eggs (number).....	334	309	276	272	265	261	261	252	252
Dairy products, total (milk equivalent).....	853.4	580.7	539.9	543.9	555.4	573.0	581.6	594.1	594.4
Plain whole milk <sup>1</sup> .....	256.6	214.1	179.4	145.1	133.6	130.5	126.6	122.5	117.2
Low-fat milk <sup>1 2</sup> .....	21.1	51.3	77.7	96.3	99.8	103.0	107.5	113.2	118.6
Cream <sup>1 2</sup> .....	8.3	5.3	5.5	5.7	6.0	6.4	6.9	7.3	7.6
Condensed and evaporated whole milk.....	13.7	7.1	5.3	3.8	4.0	3.9	3.8	3.7	3.7
Cheese.....	8.3	11.5	14.3	17.6	20.0	20.7	21.6	22.6	23.2
American.....	5.4	7.1	8.2	9.7	11.4	11.7	11.9	12.2	12.1
Other.....	2.9	4.4	6.1	7.9	8.6	9.0	9.7	10.4	11.1
Ice cream (product weight).....	18.3	17.6	18.5	17.6	17.5	17.9	18.0	18.0	18.3
Fats and oils, total (fat content).....	45.1	52.6	52.4	57.2	58.4	59.9	58.7	64.0	64.2
Butter (actual weight).....	7.7	5.4	4.7	4.5	4.3	4.9	4.9	4.9	4.8
Margarine (actual weight).....	9.3	10.8	11.1	11.4	11.2	10.4	10.4	10.8	11.4
Lard.....	7.5	4.6	2.8	2.6	2.5	2.1	2.1	1.8	1.7
Shortening.....	12.6	17.3	17.0	18.2	18.6	18.5	21.3	22.9	22.1
Salad and cooking oils.....	(NA)	15.4	17.9	21.2	21.6	23.5	19.8	23.5	24.1
Grains:									
Wheat flour <sup>4</sup> .....	118.2	110.8	114.5	116.9	119.4	115.9	117.6	122.5	129.6
Rye flour.....	1.1	1.2	1.0	.7	.6	.7	.8	.8	(NA)
Rice, milled <sup>5</sup> .....	6.1	6.7	7.6	9.4	11.8	9.8	8.5	9.1	11.5
Corn meal and other <sup>6</sup> .....	(NA)	11.1	10.8	11.5	11.4	11.4	11.4	11.6	(NA)
Oat products.....	3.6	3.2	3.2	3.1	3.1	3.1	3.1	3.1	(NA)
Pasta products.....	(NA)	7.7	9.7	10.1	9.9	10.5	10.3	12.3	(NA)
Breakfast cereals.....	(NA)	11.2	12.2	12.8	12.9	13.0	13.3	13.7	(NA)
Ready to eat.....	(NA)	8.7	9.3	10.0	10.1	10.2	10.4	10.8	(NA)
Ready to cook.....	(NA)	2.4	2.8	2.9	2.9	2.8	2.9	3.1	(NA)
Sweeteners, total <sup>7</sup> .....	116.2	132.7	131.3	145.7	148.7	155.1	162.6	169.4	168.2
Sugar, refined cane and beet.....	97.6	101.7	89.2	83.7	73.8	71.0	67.6	63.3	80.8
Corn sweeteners.....	13.9	23.4	34.2	52.7	63.8	69.4	77.3	86.3	87.3
High fructose.....	-	1.0	7.0	27.0	37.6	43.2	51.1	80.1	61.0
Non-caloric sweeteners (sugar sweetness equivalent) <sup>8</sup> .....	<sup>9</sup> 2.2	5.8	6.1	7.7	9.4	13.0	15.8	18.0	18.5
Saccharin.....	1.9	5.8	6.1	7.7	8.4	9.5	10.0	6.0	5.5
Aspartame.....	-	-	-	-	1.0	3.5	5.8	12.0	13.0
Other:									
Confectionery.....	17.0	19.9	17.7	18.1	18.8	17.8	18.6	18.9	18.8
Cocoa beans.....	3.6	3.9	3.2	3.4	3.8	3.9	4.4	4.3	4.3
Coffee (green beans).....	15.8	13.7	12.2	10.3	10.2	10.2	10.1	10.1	9.9
Peanuts (shelled).....	4.9	5.6	6.1	4.9	6.0	6.0	6.1	6.4	6.4
Tree nuts (shelled basis).....	1.6	1.8	1.9	1.8	2.1	2.2	2.2	2.3	2.0
Food consumption <sup>10</sup> (1967 = 100).....	97	102	102	103	104	106	107	109	109

- Represents zero. NA Not available. <sup>1</sup> Per capita U.S. sales. Data based primarily on information from Government-regulated State and Federal fluid milk markets. Excludes milk produced and consumed on farms and distribution from USDA supplies. Based on estimated population using fluid products from purchased sources. <sup>2</sup> Includes skim milk, buttermilk, flavored milk drinks, and yogurt. <sup>3</sup> Comprises cream, milk-cream mixtures, sour cream and dips, and eggnog. Includes milk and cream mixtures. <sup>4</sup> Comprises white, whole wheat, durum, and semolina flours. <sup>5</sup> For crop year beginning in previous year. <sup>6</sup> Includes hominy grits, and cornstarch. <sup>7</sup> Includes edible syrups (maple, molasses, etc.) and honey, not shown separately. <sup>8</sup> Assumes saccharin is 300 times as sweet as sugar and aspartame 200 times as sweet as sugar. <sup>9</sup> Includes cyclamate which was banned by U.S. Food and Drug Administration in 1970. <sup>10</sup> Retail weight equivalent, weighted by constant retail prices.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, annual; and unpublished data.

## NO. 185. FRUIT AND VEGETABLE CONSUMPTION PER CAPITA: 1965 TO 1986

[In pounds. See headnote, table 184]

COMMODITY	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel
<b>FRUITS</b>										
Fresh fruits, total (retail weight)	75.8	77.5	82.0	86.7	83.9	83.9	88.2	87.5	88.5	91.7
Noncitrus <sup>1</sup>	50.3	49.6	53.5	58.6	59.7	60.0	59.9	64.5	63.9	66.6
Bananas	17.9	17.4	17.7	20.8	21.5	22.6	21.2	22.1	23.4	25.7
Apples	15.7	16.3	18.3	18.3	18.1	17.2	17.7	17.7	18.7	16.8
Grapes	3.8	2.5	2.9	3.3	3.4	4.9	4.9	5.9	6.6	6.6
Citrus <sup>1,2</sup>	25.3	27.9	28.4	28.0	24.2	23.9	26.3	23.0	22.6	25.1
Oranges	13.9	15.7	15.4	15.3	13.1	12.3	15.6	12.4	12.0	14.1
Grapefruit	7.3	7.9	8.1	7.6	6.7	7.3	7.6	6.1	5.6	6.3
Canned <sup>4</sup>	14.8	14.4	11.9	10.6	9.9	8.8	8.2	8.9	8.4	8.8
Dried <sup>5</sup>	2.9	2.5	2.7	2.2	2.5	2.7	2.6	2.6	2.9	2.8
Citrus fruit juices <sup>6</sup>	21.9	31.8	45.6	44.7	42.2	44.3	48.7	42.0	49.5	49.0
Frozen (single-strength equivalent)	16.1	22.0	35.0	33.8	33.2	36.9	41.8	35.6	44.0	43.2
Orange	14.7	20.7	32.6	31.8	30.1	33.2	38.7	33.4	39.6	40.2
Canned	3.8	5.2	5.2	5.1	4.9	3.9	3.0	2.6	2.3	2.1
Chilled (single-strength equivalent)	■	4.6	5.6	5.8	4.1	3.5	4.1	3.6	3.2	3.7
<b>VEGETABLES<sup>7</sup></b>										
Fresh (retail weight) <sup>8,9</sup>	83.0	83.8	86.2	72.6	71.4	74.0	74.3	78.5	76.5	79.4
Lettuce <sup>9</sup>	19.5	20.8	21.9	24.9	23.9	23.9	23.8	24.2	23.2	21.6
Onions <sup>10</sup>	(NA)	13.8	12.5	12.9	12.8	14.3	14.3	15.1	15.7	16.8
Tomatoes	10.9	10.3	10.1	11.4	11.2	11.4	11.8	13.0	13.6	14.6
Canned <sup>9,11</sup>	(NA)	34.2	34.6	35.3	32.0	32.6	(NA)	(NA)	(NA)	(NA)
Tomato products <sup>12</sup>	(NA)	15.4	17.9	17.5	16.4	16.9	(NA)	(NA)	(NA)	(NA)
Other <sup>13</sup>	(NA)	18.8	16.7	17.8	15.6	15.7	(NA)	(NA)	(NA)	(NA)
Frozen <sup>9</sup>	(NA)	9.8	8.6	10.4	11.5	10.9	(NA)	(NA)	(NA)	(NA)
Dry edible beans and peas	(NA)	6.3	6.0	6.2	7.2	6.9	4.6	6.5	(NA)	(NA)
Sweet potatoes (retail weight) <sup>14</sup>	5.2	5.8	4.7	5.5	4.8	4.7	5.2	5.6	4.9	4.7
Potatoes, total (fresh equivalent, farm weight)	(NA)	121.4	125.3	112.9	110.6	118.4	118.0	116.5	123.6	127.7
Potatoes, total (retail weight) <sup>1</sup>	(NA)	79.6	79.8	71.7	67.9	74.3	74.3	71.2	75.9	78.9
Fresh	(NA)	60.0	54.2	48.6	42.0	47.2	47.5	43.1	45.8	49.8
Frozen	(NA)	12.1	18.0	18.2	18.9	20.0	19.5	20.9	22.7	22.7
Chips and shoestring	(NA)	4.3	3.6	4.1	4.1	4.2	4.4	4.4	4.3	4.4

NA: Not available. <sup>1</sup> Includes other types of commodities, not shown separately. <sup>2</sup> Not comparable to later years. <sup>3</sup> For crop year beginning in previous year. <sup>4</sup> Excludes apples, applesauce, cranberries, pineapples, and citrus sections. <sup>5</sup> For pack year. <sup>6</sup> Excludes production from home gardens. <sup>7</sup> Includes broccoli, carrots, cauliflower, celery, and corn, not shown separately. <sup>8</sup> Excludes potatoes. <sup>9</sup> Beginning 1982, includes escarole. <sup>10</sup> Beginning 1970, includes fresh equivalent of dehydrated onions. <sup>11</sup> Excludes soups, baby foods, and canned dry beans products. <sup>12</sup> Comprises whole tomatoes, soup, puree, sauce, catsup, chili sauce, tomato and other vegetable juices. <sup>13</sup> Covers asparagus, lima and snap beans, beets, zucchini, corn, and peas. <sup>14</sup> Includes quantities canned and frozen.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, annual; and unpublished data.

## NO. 186. PER CAPITA CONSUMPTION OF BEVERAGES, BY TYPE: 1970 TO 1985

[See headnote, table 184]

COMMODITY	AMOUNT (gallons)							PERCENT DISTRIBUTION		
	1970	1975	1980	1982	1983	1984	1985	1970	1975	1980
Total	122.4	128.2	135.7	136.1	137.1	139.3	140.3	100.0	100.0	100.0
Nonalcoholic	99.9	102.3	106.4	106.6	107.8	110.7	112.7	81.6	79.8	78.4
Milk	31.4	30.1	28.0	27.1	27.0	27.0	27.1	25.7	23.5	20.6
Whole	24.6	20.6	16.7	15.5	15.1	14.5	14.0	20.3	16.1	12.3
Other	6.7	9.5	11.4	11.6	11.9	12.5	13.1	5.5	7.4	8.4
Tea	6.7	7.5	7.3	6.9	6.9	6.8	7.0	5.5	5.9	5.4
Coffee	33.4	31.3	27.0	26.6	25.6	26.3	26.3	27.3	24.4	19.9
Soft drinks	23.7	27.3	37.8	39.5	41.1	44.2	45.6	19.4	21.3	27.9
Juices	4.6	6.1	6.3	6.5	7.2	6.4	7.3	3.8	4.8	4.6
Citrus	3.7	5.3	5.2	5.1	5.6	4.9	5.7	3.0	4.1	3.8
Noncitrus	9	8	1.1	1.4	1.5	1.6	1.6	7	6	.8
Alcoholic	22.4	25.9	29.3	29.5	29.3	29.1	27.6	18.3	20.2	21.6
Beer	19.2	22.2	25.2	25.4	25.2	24.9	23.4	15.7	17.3	18.6
Wine	1.3	1.7	2.1	2.2	2.2	2.3	2.5	1.1	1.3	1.5
Distilled spirits	1.8	2.0	2.0	1.9	1.8	1.8	1.7	1.5	1.6	1.5

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, annual; and unpublished data.



### No. 187. NUTRITION—NUTRIENTS IN FOODS AVAILABLE FOR CIVILIAN CONSUMPTION PER CAPITA PER DAY AND INDEXES: 1960 TO 1985

[Computed by Human Nutrition Information Service (HNIS), USDA. Based on estimates of per capita food consumption (retail weight) by the Economic Research Service (ERS), on imputed consumption data for foods no longer reported by ERS, and on HNIS estimates of quantities of produce from home gardens. No deduction is made in food supply estimates for loss of food or nutrients in further processing, in marketing, or in the home. Data include iron, thiamin, riboflavin, niacin, vitamin A, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, and ascorbic acid added by enrichment and fortification. Minus sign (-) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series G 851-856 for related details]

NUTRIENT	Unit	1960	1970	1975	1980	1982	1983	1984	1985	PERCENT CHANGE		
										1960-1970	1970-1980	1980-1985
Food energy	Calories	3,200	3,300	3,200	3,400	3,400	3,400	3,400	3,600	3.1	3.0	5.9
Protein	Grams	94	98	98	98	98	100	101	102	4.3	-	4.1
Fat	Grams	147	159	151	162	161	165	164	172	8.2	1.9	8.2
Carbohydrate	Grams	375	378	380	391	397	397	401	413	.8	2.4	5.6
Calcium	Grams	.93	.88	.87	.88	.88	.91	.92	.92	-5.4	-	4.5
Phosphorus	Grams	1.47	1.47	1.45	1.45	1.47	1.49	1.51	1.52	-	-1.4	4.8
Iron	Milligrams	15.6	16.4	16.4	16.2	16.5	17.9	18.0	18.3	5.1	-1.2	13.0
Magnesium	Milligrams	320	310	310	300	310	320	320	320	-3.1	-3.2	6.7
Zinc	Milligrams	11.4	12.1	12.0	11.8	12.0	12.1	12.2	12.3	6.1	-2.5	4.2
Vitamin A	Int'l. units	7,400	9,100	9,300	9,300	9,300	9,500	9,800	9,900	23.0	2.2	6.5
Vitamin E	Milligrams α-TE <sup>1</sup>	13.2	15.1	15.7	16.0	16.6	16.9	16.4	17.6	14.4	6.0	10.0
Thiamin	Milligrams	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	-	5.0	4.8
Riboflavin	Milligrams	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	-	-	4.4
Niacin	Milligrams	21	23	24	25	25	25	26	26	9.5	6.7	4.0
Vitamin B <sub>6</sub>	Milligrams	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	5.3	-	5.0
Vitamin B <sub>12</sub>	Micrograms	8.7	9.4	8.9	6.7	6.5	6.8	6.9	8.8	8.0	-7.4	1.1
Ascorbic acid	Milligrams	99	102	110	109	109	114	110	114	3.0	6.9	4.6
Cholesterol	Milligrams	540	520	480	480	470	480	480	480	-3.7	-7.7	-
INDEXES (1967 = 100)												
Food energy	Percent	100	103	100	106	106	106	106	112	3.0	2.9	6.7
Protein	Percent	98	102	100	102	103	104	105	108	4.1	-	3.9
Fat	Percent	95	103	98	105	105	107	106	112	8.4	1.9	6.7
Carbohydrate	Percent	100	101	100	104	106	106	107	110	1.0	3.0	5.6

- Represents zero. <sup>1</sup> Alpha-Tocopherol equivalents.

Source: U.S. Dept. of Agriculture, Human Nutrition Information Service. Data published by Economic Research Service in *Food Consumption, Prices, and Expenditures*, annual, and *National Food Review*, quarterly.

### No. 188. DAILY PER CAPITA INTAKE OF ENERGY AND SELECTED NUTRIENTS, BY SEX AND AGE: 1976-1980

[Represents median daily intake per person. Data are based on 24-hour recall of a respondent to a sample survey in the second National Health and Nutrition Examination Survey. Subject to sampling variability; see source. For definition of median, see Guide to Tabular Presentation]

SEX AND NUTRIENT	Unit	1-5 years	6-11 years	12-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years
<b>MEN</b>										
Energy	K cal	1,426	1,992	2,467	2,731	2,577	2,299	2,224	1,998	1,739
Protein	Gm	51	72	91	104	98	87	87	76	67
Fat	Gm	55	78	98	108	103	93	91	79	68
Calcium	Gm	758	1,034	1,083	1,001	805	716	733	685	597
Iron	Mg	8	12	15	16	16	15	15	13	12
Vitamin A	I.U.	3,067	3,895	4,051	3,964	3,558	3,528	3,789	3,710	3,899
Vitamin C	Mg	71	79	71	76	65	66	78	62	76
<b>WOMEN</b>										
Energy	K cal	1,344	1,762	1,677	1,583	1,547	1,510	1,377	1,308	1,291
Protein	Gm	48	62	60	59	59	57	52	51	48
Fat	Gm	53	70	66	62	63	60	54	52	48
Calcium	Gm	722	875	892	565	535	508	474	475	475
Iron	Mg	8	10	10	10	10	10	10	9	8
Vitamin A	I.U.	2,637	3,488	2,708	2,693	2,782	2,678	3,161	3,341	3,346
Vitamin C	Mg	66	67	48	59	55	53	68	68	60

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 231; and unpublished data.



## Section 4

# Education

This section presents data primarily concerning formal education as a whole, at various levels, and for public and private schools. Data shown relate to the school-age population and school enrollment, educational attainment, education personnel, and financial aspects of education. In addition, data are shown for libraries, computer usage in schools, and adult education. The chief sources are the decennial census of population and the Current Population Survey (CPS), both conducted by the Bureau of the Census (see text, section 1); annual, biennial, and other periodic surveys conducted by the Center for Education Statistics (formerly known as the National Center for Education Statistics), a part of the U.S. Department of Education; and surveys conducted by the National Education Association.

The censuses of population have included data on school enrollment since 1840 and on educational attainment since 1940. The CPS has reported on school enrollment annually since 1945 and on educational attainment periodically since 1947.

The Center for Education Statistics is continuing the pattern of statistical studies and surveys conducted by the U.S. Office of Education since 1870. The annual *Digest of Education Statistics* provides summary data on pupils, staff, finances, including government expenditures, and organization at the elementary, secondary, and higher education levels. It is also a primary source for detailed information on Federal funds for education, projections of enrollment, graduates, and teachers. *The Condition of Education*, issued annually, presents a summary of information on education of particular interest to policymakers.

Other sources of data include special studies by the Center for Education Statistics, and annual or biennial reports of education agencies in individual States. The census of governments, conducted by the Bureau of the Census every 5 years (for the years ending in "2" and "7"), provides data on school district finances and State and local government expenditures for education. Reports published by the Bureau of Labor Statistics contain data relating employment experience to educational attainment.

**Types and sources of data.**—The statistics in this section are of two general types. One type, exemplified by data from the Bureau of the Census, is based on direct interviews with individuals to obtain information about their own and their family members' education. Data of this type relate to school enrollment and level of education attained, classified by age, sex, and other characteristics of the population. The school enrollment statistics reflect attendance or enrollment in any regular school within a given period; educational attainment statistics reflect the highest grade completed by an individual.

For enrollment data starting in October 1981, the CPS used 1980 census population controls; for years 1971 through 1980, 1970 census population controls had been used. This change had little impact on summary measures (e.g., medians) and proportional measures (e.g., enrollment rates); however, use of the controls may have significant impact on absolute numbers. Where appropriate or comparability purposes, 1981 data have been provided in two ways—once based on 1970 controls, and once based on 1980 controls; see, for example, table 194.

The second type, generally exemplified by data from the Center for Education Statistics and the National Education Association, is based on reports from administrators of educational institutions and of State and local agencies having jurisdiction over education. Data of this type relate to enrollment, attendance, staff, and finances for the Nation, individual States, and local areas.

Unlike the Center for Education Statistics, the Census Bureau does not regularly include specialized vocational, trade, business, or correspondence schools in its surveys. The Center for Education Statistics includes nursery schools and kindergartens that are part of regular grade schools in their enrollment figures. The Census Bureau includes all nursery schools and kindergartens. At the higher education level, the statistics of both agencies are concerned with institutions granting degrees or offering work acceptable for degree-credit, such as junior colleges.

**School attendance.**—All States require that children attend school. While State laws vary as to the ages and circumstances of compulsory attendance, generally they require that formal schooling begin by age 6 and continue to age 16.

**Schools.**—The Center for Education Statistics defines a school as "a division of the school system consisting of students composing one or more grade groups or other identifiable groups, organized as one unit with one or more teachers to give instruction of a defined type, and housed in a school plant of one or more buildings. More than one school may be housed in one school plant, as is the case when the elementary and secondary programs are housed in the same school plant."

**Regular schools** are those which advance a person toward a diploma or degree. They include public and private nursery schools, kindergartens, graded schools, colleges, universities, and professional schools. *Public schools* are schools controlled and supported by local, State, or Federal governmental agencies; *private schools* are those controlled and supported mainly by religious organizations or by private persons or organizations.

The Bureau of the Census defines *elementary schools* as including grades 1 through 8; *high schools* as including grades 9 through 12; and *colleges* as including junior or community colleges, regular 4-year colleges, and universities and graduate or professional schools. Statistics reported by the Center for Education Statistics and the National Education Association by type of organization, such as elementary level and secondary level, may not be strictly comparable with those from the Bureau of the Census because the grades included at the two levels vary, depending on the level assigned to the middle or junior high school by the local school systems.

**School year.**—Except as otherwise indicated in the tables, data refer to the school year which, for elementary and secondary schools, generally begins in September of the preceding year and ends in June of the year stated. For the most part, statistics concerning school finances are for a 12-month period, usually July 1 to June 30. Enrollment data generally refer to a specific point in time, such as fall, as indicated in the tables.

**Statistical reliability.**—For a discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to Census Bureau and the Center for Education Statistics data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

### NO. 189. SCHOOL ENROLLMENT, 1955 TO 1986, WITH PROJECTIONS TO 1990, AND NUMBER OF SCHOOLS, 1955 TO 1984

(In thousands. Enrollment as of fall; number of schools for school year ending the following year. See *Historical Statistics, Colonial Times to 1970*, series H421-429)

ITEM AND YEAR	TOTAL		ELEMENTARY <sup>1</sup>		SECONDARY		COLLEGE	
	Public	Private	Public	Private	Public	Private	Public	Private
<b>Enrollment:<sup>2</sup></b>								
1955	32,184	5,777	22,158	3,800	8,521	800	<sup>a</sup> 1,484	<sup>a</sup> 1,177
1961	36,793	7,532	24,803	4,900	12,861	1,100	<sup>a</sup> 2,328	<sup>a</sup> 1,822
1965	46,144	8,251	26,670	4,900	15,904	1,400	3,970	1,981
1970	52,337	7,516	27,501	4,052	18,408	1,311	6,428	2,189
1971	52,880	7,344	27,658	3,900	18,398	1,300	6,804	2,144
1972	52,816	7,144	27,323	3,700	18,421	1,300	7,071	2,144
1973	52,850	7,183	26,435	3,700	18,986	1,300	7,480	2,169
1974	53,042	7,235	26,362	3,700	18,671	1,300	7,989	2,225
1975	53,628	7,350	25,640	3,700	19,151	1,300	8,335	2,280
1976	52,970	7,526	25,430	3,825	18,887	1,342	8,653	2,289
1977	52,424	7,577	24,954	3,797	18,623	1,343	8,647	2,437
1978	51,335	7,580	25,017	3,732	17,534	1,353	8,784	2,475
1979	50,882	7,533	24,543	3,700	17,102	1,300	9,037	2,535
1980	50,444	7,871	24,156	3,982	16,631	1,339	9,457	2,649
1981	49,746	8,224	23,819	4,100	16,280	1,400	9,647	2,734
1982	49,348	8,330	23,876	4,200	15,777	1,400	9,888	2,730
1983	49,035	8,487	24,010	4,315	15,342	1,400	9,683	2,782
1984	48,770	8,465	24,147	4,300	15,148	1,400	9,477	2,785
1985	48,892	8,368	24,286	4,300	15,226	1,300	9,479	2,786
1986 <sup>3</sup>	49,312	8,397	24,627	4,300	15,085	1,300	9,600	2,787
1990, proj	50,456	8,452	25,778	4,500	14,119	1,200	9,581	2,782
<b>Schools:<sup>4</sup></b>								
1955	(X)	(X)	104.4	12.4	26.0	3.9	.7	1.3
1961	(X)	(X)	81.9	14.8	25.4	4.1	.7	1.3
1965	(X)	(X)	73.2	15.3	26.6	4.6	.8	1.4
1970	(X)	(X)	65.8	14.4	25.4	3.8	1.1	1.4
1975	(X)	(X)	62.6	16.4	25.4	5.9	<sup>a</sup> 1.5	<sup>a</sup> 1.4
1978	(X)	(X)	62.0	16.1	24.5	5.8	<sup>a</sup> 1.5	<sup>a</sup> 1.4
1980	(X)	(X)	61.1	16.8	24.4	5.7	<sup>a</sup> 1.5	<sup>a</sup> 1.4
1984	(X)	(X)	58.8	(NA)	22.9	(NA)	<sup>a</sup> 1.5	<sup>a</sup> 1.4

NA Not available. X Not applicable. <sup>1</sup>Enrollment includes kindergarten. <sup>2</sup>For regular schools. <sup>3</sup>Degree-level enrollment only. <sup>4</sup>Elementary and secondary data are estimates; higher education data are preliminary. <sup>5</sup>Excludes schools not reported by level, such as special education. Schools with both elementary and secondary programs are included and elementary and also secondary. <sup>6</sup>Branch campuses counted separately.

Source: U.S. Center for Education Statistics, *Digest of Education Statistics*, annual; and *Projections of Education Statistics*.

SCHOOL EXPENDITURES, BY TYPE OF CONTROL AND LEVEL OF INSTRUCTION: 1960 TO 1967

of dollars. For school years ending in year shown. Due to conceptual and methodological differences, these data are not comparable with data in table 191. See also Appendix III. See *Historical Statistics, Colonial Times to 1970*, series H 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

YEAR	Total	ELEMENTARY AND SECONDARY SCHOOLS			COLLEGES AND UNIVERSITIES		
		Total	Public	Private <sup>1</sup>	Total	Public	Private
1960	23,880	18,713	15,813	1,100	7,147	3,804	3,244
1961	88,458	43,183	40,053	2,500	25,278	16,234	9,041
1962	108,884	68,848	64,848	4,000	30,818	20,808	12,852
1963	118,708	76,101	70,801	4,500	43,806	28,736	13,868
1964	126,417	78,184	74,184	5,000	47,223	31,887	15,228
1965	137,042	86,544	80,844	5,700	50,488	34,031	18,457
1966	148,308	93,012	86,712	6,300	55,298	37,110	18,187
1967	166,827	103,182	96,882	7,200	62,486	41,434	21,031
1968	182,848	112,325	104,125	8,200	70,524	48,558	23,965
1969	197,801	120,488	111,188	9,300	77,315	50,813	26,502
1970	211,368	128,725	116,425	10,300	82,843	53,840	28,803
1971	228,597	136,000	127,500	11,500	88,597	58,124	31,473
1972	247,157	148,800	138,500	12,400	98,257	63,704	34,553
1973	266,200	160,800	147,000	13,800	105,400	68,200	37,100
1974	282,100	170,000	156,000	14,000	112,100	72,800	39,500

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1. Department of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 191. SCHOOL EXPENDITURES, BY SOURCE OF FUNDS: 1970 TO 1985

years ending in year shown. Includes nursery, kindergarten, and special programs when provided by school system. If school data and all data beginning 1980 are estimates. Due to revised methodology, data for 1970 and 1975 are able to later years.

FUNDS AND TYPE OF SCHOOL	TOTAL (bil. dol.)								PERCENT			
	1970	1975	1980	1981	1982	1983	1984	1985	1970	1980	1984	1985
State	70.4	111.1	164.7	178.6	187.8	211.4	228.8	247.2	100.0	100.0	100.0	100.0
Local	7.5	12.1	18.9	20.0	18.5	18.7	19.7	21.1	10.7	11.5	11.2	8.6
Federal	22.2	38.7	64.5	70.2	76.3	81.5	87.0	95.7	31.5	39.2	38.1	38.7
Private	22.8	33.2	43.1	48.1	51.9	54.9	60.1	63.4	32.1	25.2	28.3	25.8
Other	18.1	27.1	38.2	43.5	51.1	56.3	61.8	68.9	25.7	23.2	27.0	27.1
State	56.8	91.3	137.4	149.0	162.0	172.3	185.6	200.2	80.7	83.4	81.2	81.0
Local	5.8	9.8	14.8	15.5	14.0	14.1	14.8	15.6	8.2	9.0	6.5	6.3
Federal	22.1	38.4	64.1	69.7	75.8	81.0	86.4	95.0	31.4	39.9	37.8	38.4
Private	22.5	33.1	42.9	48.0	51.7	54.7	59.9	63.2	32.1	25.2	28.3	25.8
Other	8.4	10.0	15.6	17.9	20.5	22.5	24.6	26.3	9.1	9.5	10.8	10.8
State	13.6	19.8	27.3	30.7	35.8	39.1	43.0	47.0	19.3	18.6	18.8	19.0
Local	1.7	2.3	4.1	4.5	4.5	4.6	4.9	5.6	2.4	2.5	2.1	2.2
Federal	2.2	4.4	8.6	8.6	7.7	7.7	8.8	9.8	3.2	4.4	3.9	4.4
Private	11.7	17.1	22.8	25.8	30.7	33.8	37.2	40.8	16.8	13.7	16.3	16.4
State	46.7	72.2	102.2	108.3	120.5	128.7	138.0	148.9	100.0	100.0	100.0	100.0
Local	3.4	6.0	9.4	9.5	8.2	8.4	8.7	8.9	7.4	5.2	6.3	6.0
Federal	15.8	27.2	44.8	48.5	52.8	56.8	60.7	66.3	34.8	43.9	43.7	44.5
Private	21.7	31.7	41.4	44.2	49.8	52.8	57.8	60.9	47.5	40.5	41.6	40.9
Other	4.8	7.3	8.6	7.1	9.6	10.7	11.8	12.8	10.5	8.4	8.6	8.6
State	41.0	65.0	98.0	102.5	111.2	118.4	127.5	136.5	89.7	93.9	91.7	91.7
Local	3.4	6.0	9.4	9.5	8.2	8.4	8.7	8.9	7.4	5.2	6.3	6.0
Federal	15.8	27.2	44.8	48.5	52.8	56.8	60.7	66.3	34.8	43.9	43.7	44.5
Private	21.7	31.7	41.4	44.2	49.8	52.8	57.8	60.9	47.5	40.5	41.6	40.9
Other	1.1	1.1	3.3	3.3	3.3	4.4	4.4	4.4	2.2	3.3	3.3	3.3
State	4.7	7.2	8.3	8.8	9.3	10.3	11.5	12.4	10.3	8.1	8.3	8.3
State	34.7	38.9	62.8	78.5	77.9	82.8	88.8	98.3	100.0	100.0	100.0	100.0
Local	4.1	6.1	9.5	10.5	10.3	10.3	11.0	12.2	18.6	15.2	12.3	12.4
Federal	6.4	11.5	6.2	21.7	23.6	24.7	28.3	29.4	25.0	31.4	28.4	29.9
Private	9.1	1.5	1.7	1.9	2.1	2.1	2.3	2.5	3.8	2.7	2.6	2.5
Other	13.3	19.8	31.8	38.5	41.5	45.6	49.9	54.1	53.9	50.8	55.7	55.0
State	15.8	28.3	41.4	48.6	50.8	53.8	58.1	63.7	84.0	88.3	84.8	84.8
Local	2.4	3.8	5.4	6.0	5.8	5.7	6.1	6.7	9.7	8.7	6.8	6.8
Federal	8.3	11.2	2.2	21.2	23.0	24.1	25.7	28.7	25.5	30.7	28.7	29.2
Private	8.1	1.4	1.5	1.8	1.9	1.9	2.1	2.3	3.2	2.5	2.3	2.3
Other	6.3	9.9	18.3	17.8	20.2	22.1	24.2	25.9	25.5	24.5	27.0	26.3
State	8.9	12.8	21.0	24.0	26.5	28.8	31.5	34.8	38.0	33.7	35.2	35.2
Local	1.7	2.3	4.1	4.6	4.5	4.6	4.9	5.6	6.8	5.5	5.5	5.8
Federal	2.2	4.4	8.6	8.6	7.7	7.7	8.8	9.8	3.2	4.4	3.9	4.4
Private	7.0	9.9	16.3	18.8	21.4	23.6	26.7	29.2	28.3	28.2	28.7	28.7

1. Department of Education, Center for Education Statistics, unpublished data.

## NO. 192. FEDERAL PROGRAM FUNDS FOR EDUCATION AND RELATED ACTIVITIES, BY LEVEL OF EDUCATION, AGENCY AND PROGRAM: 1960 TO 1965

(In millions of dollars. For fiscal years ending in June. To the extent possible, amounts reported represent outlays, rather than obligations)

LEVEL, AGENCY AND PROGRAM	1960	1962	1963	1964	1965 <sup>1</sup>	1960	1962	1963	1964	1965 <sup>1</sup>
<b>Total, all programs</b>	34,851.3	34,880.3	34,798.0	36,466.6	38,856.2					
Percent of Federal budget outlays	5.9	4.7	4.3	4.3	4.1					
<b>Elementary/secondary education<sup>2</sup></b>	16,996.0	16,897.8	16,466.6	17,180.6	18,311.0					
Department of Education <sup>3</sup>	6,919.6	7,597.6	6,836.3	7,836.2	8,766.8					
Grants for the disadvantaged	3,401.8	2,854.4	2,845.7	3,077.3	3,585.8					
Education for the handicapped	821.6	1,141.4	1,298.7	962.8	1,402.8					
Rehabilitation services and handicapped research	426.9	1,141.4	948.7	1,414.4	1,414.4					
Vocational and adult education	663.4	817.5	717.6	742.5	914.3					
Department of Agriculture <sup>3</sup>	4,520.3	3,527.9	3,727.2	4,448.1	4,756.6					
Child nutrition programs	3,777.1	3,018.7	3,278.1	3,437.3	3,836.8					
Agricultural Marketing Service—Commodities	443.8	363.5	362.3	696.5	790.8					
Special milk programs	159.3	22.9	14.8	18.6	16.1					
Department of Commerce: Local public works program—school facilities	54.8	5.4	1.3	3	—					
Department of Defense <sup>3</sup>	370.6	515.0	564.9	712.3	820.3					
Junior ROTC	32.0	42.3	50.4	54.1	48.1					
Overseas dependent schools	398.8	366.7	414.5	653.6	808.8					
Department of Energy	94.9	23.1	48.2	23.2	4.3					
Department of Health and Human Services	1,076.3	1,262.6	1,222.0	1,475.7	1,640.1					
Head Start	736.3	808.6	812.0	995.7	1,075.1					
Social Security student benefits	342.0	374.0	310.0	480.0	566.0					
Department of the Interior <sup>3</sup>	334.9	345.2	361.2	411.8	378.5					
Mineral Leasing Act and other funds	111.4	173.6	143.9	187.6	147.8					
Indian education	223.1	171.2	216.9	223.5	230.2					
Department of Labor	1,850.0	1,790.4	1,827.0	1,751.0	1,264.7					
Job Corps	470.0	570.0	563.0	585.8	604.5					
Job Training Partnership Act <sup>3</sup>	1,380.0	1,220.4	1,264.0	1,165.3	660.2					
Department of the Treasury: General Revenue Sharing—Education Share	634.8	411.2	413.3	411.0	414.9					
Veterans' Administration	467.8	310.8	261.1	189.4	166.8					
Non-collegiate and job training programs	440.0	291.8	244.1	174.2	154.5					
Other elementary/secondary programs and agencies	62.6	66.2	83.3	122.7	100.2					
<b>Higher education<sup>3</sup></b>	10,803.5	10,838.4	10,714.9	10,083.3	10,348.7					
Department of Education <sup>3</sup>	6,063.5	6,394.6	7,165.4	7,318.0	7,846.1					
Student financial assistance	3,682.8	2,732.5	4,043.6	3,743.9	4,505.8					
Guaranteed student loans	1,406.0	3,023.5	2,555.5	3,245.2	2,868.4					
Higher education	389.8	376.3	364.4	419.2	476.3					
Department of Agriculture	21.5	11.8	16.2	17.2	17.7					
Department of Defense	500.0	630.6	698.7	856.5	953.6					
Fellowship assistance for military personnel	(NA)	60.8	61.3	66.8	69.4					
Service academies	(NA)	275.3	291.7	302.6	395.0					
Senior ROTC	(NA)	304.5	345.7	395.1	479.2					
<b>Research programs in universities and related institutions<sup>3</sup></b>	6,788.7	6,576.8	6,576.8	7,286.3	7,286.3					
National Endowment for the Arts	25.0	12.7	12.7	6.0	4.8					
National Endowment for the Humanities	508.9	489.5	489.5	528.6	540.8					
Other programs and agencies <sup>3</sup>	60.5	105.4	105.4	101.4	114.8					
Agency for International Development	151.9	144.9	144.9	154.2	184.1					
Library of Congress	135.9	112.9	112.9	145.4	163.2					
National Endowment for the Arts	66.9	66.9	66.4	74.5	74.5					
<b>Research programs in universities and related institutions<sup>3</sup></b>	6,788.7	6,576.8	6,576.8	7,286.3	7,286.3					
Department of Defense	644.5	609.9	1,112.2	1,072.5	1,200.0					
Department of Energy	1,470.2	1,715.8	1,861.1	2,001.4	2,006.9					
Dept. of Health and Human Services	2,087.1	2,194.7	2,448.9	2,750.7	2,810.8					
Agency for International Development	77.1	69.6	43.4	108.6	165.9					
National Aeronautics and Space Admin.	254.6	368.1	368.1	352.9	448.1					
National Science Foundation	743.8	787.0	857.8	1,006.0	1,135.7					

<sup>1</sup> Represents 1965. <sup>2</sup> NA Not available. <sup>3</sup> Estimated

Includes other programs or agencies not shown separately

Beginning 1962, includes state school for free education of

Estimates for energy conservation for school buildings (\$23.0 million in 1964) not available. Prior to 1963, covers OETA program.

### ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS, BY LEVEL, 1965 TO 1986, AND PROJECTIONS, 1990

(*See text.* Data are for regular day schools and exclude independent nursery schools and kindergartens, residential school children, subcollegiate departments of colleges, Federal schools for Indians, and federally operated institutions. College data include degree-credit and nondegree-credit enrollment)

SEX AND	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, est.	1990
Total	64,384	66,893	68,886	68,218	58,415	57,872	57,678	57,533	57,235	57,300	57,300	58,911
Male	48,143	52,337	51,335	50,862	50,444	49,747	49,348	49,035	48,770	48,992	49,312	50,458
Female	8,251	7,516	7,560	7,533	7,971	8,224	8,330	8,497	8,465	8,308	8,987	8,452
Public	35,463	36,829	32,080	31,831	31,886	31,345	31,356	31,312	31,218	31,347	31,655	34,178
Private	30,563	32,577	28,328	27,831	27,674	27,245	27,158	28,997	26,918	27,047	27,355	29,628
Nursery	4,900	4,052	3,732	3,700	3,982	4,100	4,200	4,315	4,300	4,300	4,300	4,500
Kindergarten	13,010	14,843	15,578	15,014	14,652	14,255	13,896	13,755	13,775	13,767	13,667	12,470
Elementary	11,610	13,332	14,223	13,714	13,313	12,855	12,496	12,355	12,375	12,467	12,367	11,270
High school	1,400	1,311	1,353	1,300	1,339	1,400	1,400	1,400	1,400	1,400	1,300	1,200
College	5,821	8,581	11,259	11,570	12,087	12,372	12,426	12,465	12,242	12,247	12,398	12,313
Nondegree-credit	3,970	6,428	8,784	9,037	9,457	9,647	9,698	9,683	9,477	9,479	9,800	9,581
Degree-credit	1,851	2,153	2,475	2,533	2,640	2,724	2,730	2,782	2,765	2,768	2,797	2,732

(*See text.*) Data for later years have been revised since originally published.

Source: U.S. Department of Education, Center for Education Statistics, *Projections of Education Statistics, biennial, Digest of Education Statistics*, unpublished data.

### NO. 184. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS: 1960 TO 1986

(*See text.*) As of October. For civilian noninstitutional population. For 1960, 5 to 34 years old; thereafter 3 to 34 years old (data for 35 years old and over not available by control of school)

PUBLIC						PRIVATE					
Year	Nursery	Kindergarten	Elementary	High school	College	Total	Nursery	Kindergarten	Elementary	High school	College
1960	(NA)	27.5		9.2	2.3	7.2	(NA)		4.9	1.0	1.3
1965	1	2.4	27.5	11.5	3.8	9.2	.4	.6	4.9	1.5	1.6
1970	.3	2.6	30.0	13.5	5.7	8.1	.8	.5	3.9	1.2	1.7
1975	.8	2.9	27.2	14.5	7.7	8.2	1.2	.5	3.3	1.2	2.0
1980	(NA)	2.7	24.4	(NA)	(NA)	(NA)	1.4	.5	3.1	(NA)	(NA)
1985	.7	2.7	24.4	13.0	8.4	8.7	1.4	.8	3.0	1.1	2.6
1990	.8	2.7	24.2	12.6	8.2	9.0	1.5	.7	3.0	1.2	2.6
1995	.8	3.0	24.1	12.7	8.5	8.3	1.6	.5	2.7	1.1	2.4
2000	.9	3.2	23.6	12.8	8.4	9.0	1.6	.6	3.1	1.2	2.5
2005	.8	3.3	24.2	12.7	8.2	8.9	1.7	.6	3.0	1.2	2.5
2010	(NA)	84.3		88.2	82.2	85.7	(NA)	95.3		98.7	96.3
2015	73.2	85.5	83.3	86.5	82.9	85.5	81.1	90.9	96.4	95.7	95.3
2020	59.5	84.4	83.1	85.6	80.7	83.4	81.1	88.2	94.1	96.1	92.6
2025	66.3	82.9	82.3	83.5	87.3	81.6	88.6	89.1	93.3	94.2	89.9
2030	(NA)	80.2	80.9	(NA)	(NA)	(NA)	89.0	87.0	90.7	(NA)	(NA)
2035	88.1	78.7	80.3	81.1	85.0	89.1	89.9	88.4	89.5	92.7	88.5
2040	89.6	80.6	79.9	80.8	84.9	89.0	88.6	89.6	90.6	89.2	86.9
2045	80.7	78.5	79.9	80.7	84.6	88.9	88.1	88.3	90.1	92.1	88.0
2050	80.3	72.2	79.0	80.4	85.1	89.9	88.6	88.7	90.6	92.2	88.7
2055	79.9	72.0	77.8	80.3	83.7	89.6	89.8	90.4	90.3	88.3	86.5

Source: U.S. Department of the Census, *Current Population Reports*, series P-20, No. 409, and earlier reports; and unpublished data.

### NO. 195. SCHOOL ENROLLMENT, BY SEX AND BY LEVEL: 1960 TO 1986

(*See text.*) For the civilian noninstitutional population. For 1960, persons 5 to 34 years old; 1965 and 1970, 3 to 34 years old; 1975, 3 years old and over. Elementary includes kindergarten and grades 1-8; high school, grades 9-12; and college, 4-year colleges, universities, and graduate and professional schools. Data for college represent degree-credit enrollment.

ALL LEVELS <sup>1</sup>			ELEMENTARY			HIGH SCHOOL			COLLEGE		
Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
48.3	24.2	22.0	32.4	16.7	15.7	10.2	5.2	5.1	3.6	2.3	1.2
54.7	28.5	26.2	35.5	18.2	17.3	13.0	6.5	6.5	5.7	3.5	2.2
60.4	31.4	28.9	37.1	19.0	18.1	14.7	7.4	7.3	7.4	4.4	3.0
62.2	32.1	30.1	33.8	17.3	16.5	15.7	8.0	7.7	10.9	5.9	5.0
60.0	30.5	29.5	31.5	16.1	15.3	15.8	7.9	7.7	11.1	5.8	5.3
58.3	30.1	29.3	30.8	15.9	15.0	15.2	7.7	7.5	11.4	5.5	5.9
58.6	29.6	28.1	30.6	15.8	14.8	14.6	7.3	7.3	11.4	5.4	6.0
58.4	29.5	28.9	30.1	15.5	14.7	14.4	7.3	7.1	11.6	5.6	6.2
58.9	30.3	29.6	31.0	15.9	15.0	14.7	7.5	7.3	12.1	5.8	6.3
58.4	30.0	29.4	30.7	15.8	14.9	14.2	7.2	7.0	12.3	5.9	6.4
58.3	30.1	29.2	30.6	15.7	14.8	14.1	7.1	7.0	12.3	6.0	6.3
58.6	29.9	29.0	30.3	15.6	14.7	13.9	7.1	6.8	12.3	6.0	6.3
58.9	30.0	29.7	30.7	15.7	15.0	14.1	7.2	6.9	12.5	5.9	6.6
60.1	30.4	29.7	31.1	16.1	15.0	14.0	7.1	6.9	12.4	6.8	6.6

<sup>1</sup> Includes nursery schools, not shown separately. <sup>2</sup> Population controls based on 1970 census; see text, section 1 and 4.

Source: U.S. Department of the Census, *Current Population Reports*, series P-20, No. 409, and earlier reports; and unpublished data.

# No. 102. FEDERAL PROGRAM FUNDS FOR EDUCATION AND RELATED ACTIVITIES, BY LEVEL OF EDUCATION, AGENCY AND PROGRAM: 1960 TO 1965

(In millions of dollars. For fiscal years ending in June. To the extent possible, amounts reported represent outlays, rather than obligations)

LEVEL, AGENCY AND PROGRAM	1960	1961	1962	1963	1964	1965 <sup>1</sup>	1960	1961	1962	1963	1964	1965 <sup>1</sup>
<b>Total, all programs</b>	34,431.3	34,000.3	34,799.0	36,496.6	36,866.2	36,866.2						
Percent of Federal budget outlays	5.9	4.7	4.3	4.3	4.1	4.1						
<b>Elementary/secondary education<sup>2</sup></b>	18,999.6	18,997.8	18,446.8	17,180.8	18,311.0	18,311.0						
Department of Education <sup>3</sup>	6,919.8	7,597.8	8,036.3	7,635.2	8,766.6	8,766.6						
Grants for the disadvantaged	3,401.8	2,954.4	2,645.7	3,077.3	3,565.6	3,565.6						
Education for the handicapped	821.6	1,141.4	1,286.7	952.8	1,402.8	1,402.8						
Rehabilitation services and handicapped research	426.9	1,141.4	948.7	1,414.4	1,414.4	1,414.4						
Vocational and adult education	863.4	817.5	717.6	742.6	914.3	914.3						
Department of Agriculture <sup>4</sup>	4,520.3	3,527.9	3,727.2	4,448.1	4,755.6	4,755.6						
Child nutrition programs	3,777.1	3,019.7	3,278.1	3,437.3	3,635.9	3,635.9						
Agricultural Marketing Service—Commodities	443.6	363.5	362.3	866.5	780.8	780.8						
Special milk programs	159.3	22.9	14.9	18.6	16.1	16.1						
Department of Commerce—Local public works program—school facilities	54.6	5.4	1.3	3	—	—						
Department of Defense <sup>5</sup>	370.6	516.0	594.9	712.3	820.3	820.3						
Junior ROTC	32.0	42.3	50.4	54.1	48.1	48.1						
Overseas dependent schools	338.6	366.7	414.5	553.6	806.8	806.8						
Department of Energy	94.9	23.1	48.2	23.2	—	—						
Department of Health and Human Services	1,078.3	1,262.6	1,222.0	1,476.7	1,840.1	1,840.1						
Head Start	736.3	808.6	912.0	965.7	1,075.1	1,075.1						
Social Security student benefits	342.0	374.0	310.0	480.0	565.0	565.0						
Department of the Interior <sup>6</sup>	334.9	345.2	361.2	411.6	378.5	378.5						
Mineral Leasing Act and other funds	111.4	173.6	143.8	167.6	147.8	147.8						
Indian education	223.1	171.2	216.8	223.5	230.2	230.2						
Department of Labor	1,850.0	1,760.4	1,827.0	1,751.0	1,264.7	1,264.7						
Job Corps	470.0	570.0	563.0	595.8	604.5	604.5						
Department of the Treasury—General Revenue Sharing—Education Share	1,380.0	1,220.4	1,264.0	1,155.3	960.2	960.2						
Veterans Administration	934.8	411.2	415.3	411.0	414.9	414.9						
Non-collegiate and job training programs	457.8	310.8	261.1	199.4	169.8	169.8						
Other elementary/secondary programs and agencies	440.0	291.8	244.1	174.2	154.5	154.5						
<b>Higher education<sup>7</sup></b>	82.6	68.2	53.3	122.7	100.2	100.2						
Department of Education <sup>8</sup>	10,803.5	10,898.4	10,714.9	10,082.3	10,348.7	10,348.7						
Student financial assistance	5,393.6	6,394.6	7,165.4	7,318.0	7,846.1	7,846.1						
Guaranteed student loans	3,882.6	2,732.5	4,043.6	3,743.9	4,505.6	4,505.6						
Higher education	1,406.0	3,023.5	2,555.5	3,245.2	2,899.4	2,899.4						
Department of Agriculture	306.8	379.3	364.4	419.2	476.3	476.3						
Department of Defense	21.6	11.8	16.2	17.2	17.7	17.7						
Fellowship assistance for military personnel	500.0	630.6	698.7	868.5	963.6	963.6						
Service academies	(NA)	50.8	61.3	68.8	66.4	66.4						
Senior ROTC	(NA)	275.3	291.7	382.5	395.0	395.0						
	(NA)	304.5	346.7	395.1	479.2	479.2						
<b>Research programs at universities and related institutions<sup>9</sup></b>	10,803.5	10,898.4	10,714.9	10,082.3	10,348.7	10,348.7						
Department of Defense	5,393.6	6,394.6	7,165.4	7,318.0	7,846.1	7,846.1						
Department of Energy	3,882.6	2,732.5	4,043.6	3,743.9	4,505.6	4,505.6						
Department of Health and Human Services	1,406.0	3,023.5	2,555.5	3,245.2	2,899.4	2,899.4						
Agency for International Development	306.8	379.3	364.4	419.2	476.3	476.3						
Library of Congress	21.6	11.8	16.2	17.2	17.7	17.7						
National Endowment for the Arts	500.0	630.6	698.7	868.5	963.6	963.6						
National Endowment for the Humanities	(NA)	50.8	61.3	68.8	66.4	66.4						
Research programs at universities and related institutions	(NA)	275.3	291.7	382.5	395.0	395.0						
	(NA)	304.5	346.7	395.1	479.2	479.2						

NA, Not available. <sup>1</sup> Estimated. <sup>2</sup> Includes other programs or agencies not shown separately. <sup>3</sup> Beginning 1962, includes stateable schools on military installations for free education of service members. <sup>4</sup> Includes other programs or agencies not shown separately. <sup>5</sup> Prior to 1963, covers CETA programs. <sup>6</sup> Prior to 1963, covers CETA programs. <sup>7</sup> Prior to 1963, covers CETA programs. <sup>8</sup> Prior to 1963, covers CETA programs. <sup>9</sup> Prior to 1963, covers CETA programs.



### NO. 193. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS, BY LEVEL, 1965 TO 1985, AND PROJECTIONS, 1990

NOTE. As of fall. Data are for regular day schools and exclude independent nursery schools and kindergartens, residential for exceptional children, subcollegiate departments of colleges, Federal schools for Indians, and federally operated on Federal installations. College data include degree-credit and nondegree-credit enrollment.

OF SCHOOL AND LEVEL	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1985, est.	1990
	54,394	59,853	58,896	58,215	58,415	57,872	57,878	57,532	57,235	57,390	57,710	58,911
	48,143	52,337	51,335	50,882	50,444	49,747	49,348	49,035	48,770	48,992	49,312	50,499
	8,251	7,516	7,580	7,533	7,971	8,224	8,330	8,497	8,465	8,368	8,397	8,452
en through 8 ..	35,463	36,629	32,080	31,631	31,686	31,345	31,358	31,312	31,218	31,347	31,665	34,178
	30,563	32,577	28,328	27,931	27,874	27,245	27,156	26,997	26,918	27,047	27,355	29,628
	4,900	4,052	3,752	3,700	3,892	4,100	4,200	4,315	4,300	4,300	4,300	4,500
through 12 ..	19,010	14,843	15,578	15,014	14,852	14,255	13,898	13,755	13,775	13,787	13,857	12,470
	11,610	13,332	14,223	13,714	13,313	12,855	12,498	12,355	12,375	12,487	12,357	11,270
	1,400	1,311	1,353	1,300	1,339	1,400	1,400	1,400	1,400	1,300	1,300	1,200
	5,921	6,581	11,258	11,570	12,087	12,372	12,426	12,465	12,242	12,247	12,398	12,313
	3,870	6,426	8,784	9,037	9,457	9,647	9,898	9,883	9,477	9,479	9,800	9,581
	1,851	2,153	2,475	2,533	2,640	2,724	2,730	2,782	2,765	2,768	2,797	2,782

† 1970 and later years have been revised since originally published.

U.S. Dept. of Education, Center for Education Statistics, *Projections of Education Statistics*, biennial, *Digest of Education* (reprint); and unpublished data.

### NO. 194. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS: 1960 TO 1985

NOTE. except percent. As of October. For civilian noninstitutional population. For 1960, 5 to 34 years old; thereafter 3 to 34 years old (data for 35 years old and over not available by control of school).

	PUBLIC						PRIVATE					
	Total	Nurs- ery	Kinder- garden	Ele- mentary	High school	Col- lege	Total	Nurs- ery	Kinder- garden	Ele- mentary	High school	Col- lege
30.0	(NA)		27.5		9.2	2.3	7.2	(NA)		4.9	1.0	1.3
45.5	.1		2.4	27.6	11.5	3.8	9.2	.4	.8	4.9	1.5	1.8
52.2	.3		2.6	30.0	13.5	5.7	8.1	.8	.5	3.9	1.2	1.7
52.8	.8		2.9	27.2	14.5	7.7	8.2	1.2	.5	3.3	1.2	2.0
(NA)	.9		2.7	24.4	(NA)	(NA)	(NA)	1.4	.5	3.1	(NA)	(NA)
49.2	7		2.7	24.4	13.0	8.4	6.7	1.4	.6	3.0	1.1	2.4
48.7	.6		2.7	24.2	12.9	8.2	9.0	1.5	.7	3.0	1.2	2.6
49.0	.8		3.0	24.1	12.7	8.5	8.3	1.6	.6	2.7	1.1	2.4
49.0	.9		3.2	23.8	12.9	8.4	9.0	1.6	.6	3.1	1.2	2.5
49.2	.9		3.3	24.2	12.7	8.2	8.9	1.7	.6	3.0	1.2	2.5
NA												
65.7	(NA)		84.3		98.2	92.2	95.7	(NA)		95.3	96.7	98.3
65.0	73.2		85.5	83.3	98.5	92.9	95.5	91.1	90.9	96.4	96.7	95.3
64.5	59.5		84.4	83.1	98.6	90.7	93.4	91.1	89.2	94.1	96.1	92.8
63.2	66.9		82.9	82.3	93.5	87.3	91.5	88.6	89.1	93.3	94.2	89.9
(NA)	66.2		80.7	80.9	(NA)	(NA)	(NA)	89.0	87.0	90.7	(NA)	(NA)
61.1	69.1		79.7	80.3	91.1	85.0	89.1	89.9	88.4	89.5	92.7	88.8
60.8	69.5		80.8	79.9	90.8	84.9	89.0	89.8	89.6	90.8	90.2	88.9
60.7	71.4		78.5	79.9	90.7	84.6	88.9	88.1	88.3	90.1	92.1	88.0
60.3	72.2		79.0	79.1	90.4	85.1	89.9	89.8	88.7	90.6	92.2	88.7
79.9	72.0		77.9	79.0	90.3	83.7	89.8	89.8	90.4	90.3	88.3	88.5

† available.

U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 406, and earlier reports; and unpublished data.

### NO. 195. SCHOOL ENROLLMENT, BY SEX AND BY LEVEL: 1960 TO 1985

NOTE. As of Oct. For the civilian noninstitutional population. For 1960, persons 5 to 34 years old; 1965 and 1975, 3 to 34 years old; thereafter, 3 years old and over. Elementary includes kindergarten and grades 1-8; high school, grades 9-12; and 2-year and 4-year colleges, universities, and graduate and professional schools. Data for college represent degree-credit enrollment.

AGE	ALL LEVELS <sup>1</sup>			ELEMENTARY			HIGH SCHOOL			COLLEGE		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
48.3	24.2	22.0	32.4	16.7	15.7	10.2	5.2	5.1	3.8	2.3	1.2	1.2
54.7	28.5	26.2	35.5	18.2	17.3	13.0	6.5	6.5	5.7	3.5	2.2	2.2
60.4	31.4	28.9	37.1	19.0	18.1	14.7	7.4	7.3	7.4	4.4	3.0	3.0
62.2	32.1	30.1	33.6	17.3	16.5	15.7	8.0	7.7	10.9	5.9	5.0	5.0
60.0	30.5	29.5	31.5	16.1	15.3	15.6	7.9	7.7	11.1	5.8	5.6	5.6
59.3	30.1	29.3	30.9	15.9	15.0	15.2	7.7	7.5	11.4	5.5	5.9	5.9
58.6	29.8	29.1	30.8	15.8	14.9	14.8	7.3	7.3	11.4	5.4	6.0	6.0
58.4	29.5	28.9	30.1	15.5	14.7	14.4	7.3	7.1	11.8	5.8	6.2	6.2
59.9	30.3	29.6	31.0	15.9	15.0	14.7	7.5	7.3	12.1	5.9	6.3	6.3
59.4	30.0	29.4	30.7	15.8	14.9	14.2	7.2	7.0	12.3	5.9	6.4	6.4
59.3	30.1	29.2	30.6	15.7	14.8	14.1	7.1	7.0	12.3	6.0	6.3	6.3
58.9	29.9	29.0	30.3	15.8	14.7	13.9	7.1	6.8	12.3	6.0	6.3	6.3
59.6	30.0	29.7	30.7	15.7	15.0	14.1	7.2	6.9	12.5	5.9	6.6	6.6
60.1	30.4	29.7	31.1	16.1	15.0	14.0	7.1	6.9	12.4	5.8	6.6	6.6

NOTE. 1965, includes nursery schools, not shown separately. <sup>1</sup> Population controls based on 1970 census, see text, and 4. <sup>2</sup> Population controls based on 1960 census; see text, sections 1 and 4.

U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 406, and earlier reports; and unpublished data.

### NO. 193. SCHOOL ENROLLMENT, BY AGE AND RACE: 1970 TO 1986

(As of October. Covers civilian noninstitutional population enrolled in nursery school and above. Based on Current Population Survey, see text, section 1. See *Historical Statistics, Colonial Times to 1870*, series H 442-476 for enrollment 5-34 years old)

AGE AND RACE	ENROLLMENT (1,000)				RATE			
	1970	1980	1985	1990	1970	1980	1985	1990
<b>Total 3 to 34 years old<sup>1</sup></b>	60,367	57,348	58,013	58,183	58.4	48.7	48.3	48.3
3 and 4 years old	1,461	2,280	2,801	2,813	20.5	36.7	38.9	38.9
5 and 6 years old	7,000	5,853	6,897	6,917	69.5	95.7	95.1	95.3
7 to 13 years old	28,943	23,751	22,849	22,987	99.2	99.3	99.2	99.2
14 and 15 years old	7,889	7,282	7,382	7,007	98.1	98.2	98.1	97.8
16 and 17 years old	8,927	7,129	6,854	6,851	90.0	89.0	91.7	92.3
18 and 19 years old	3,322	3,768	3,716	3,872	47.7	48.4	51.6	54.6
20 and 21 years old	1,949	2,515	2,708	2,430	31.9	31.6	35.3	33.0
22 to 24 years old	1,410	1,931	2,088	2,154	14.9	18.3	18.9	17.9
25 to 29 years old	1,011	1,714	1,942	1,882	7.5	9.3	9.2	8.8
30 to 34 years old	486	1,105	1,218	1,230	4.2	8.4	6.1	6.0
35 years old and over	(NA)	1,290	1,786	1,909	(NA)	1.4	1.7	1.8
<b>White: Total 3 to 34 years old</b>	51,719	47,873	47,463	47,267	58.2	48.6	47.8	47.4
3 and 4 years old	1,181	1,844	2,250	2,239	19.9	36.3	38.6	39.1
5 and 6 years old	5,899	4,781	5,437	5,524	60.3	95.6	95.4	96.3
7 to 13 years old	24,554	19,555	18,484	18,579	99.2	99.2	99.3	99.2
14 and 15 years old	6,781	6,038	6,007	5,677	98.2	98.3	98.1	97.8
16 and 17 years old	6,006	5,937	5,449	5,567	90.6	88.6	91.8	92.0
18 and 19 years old	2,924	3,199	3,105	3,192	48.7	48.3	52.4	54.8
20 and 21 years old	1,750	2,208	2,318	2,042	33.1	31.9	35.1	33.5
22 to 24 years old	1,305	1,869	1,744	1,759	15.7	18.4	17.0	17.4
25 to 29 years old	910	1,473	1,635	1,599	7.7	9.2	9.2	8.6
30 to 34 years old	418	942	1,043	1,021	4.2	8.3	6.2	5.9
35 years old and over	(NA)	1,104	1,533	1,644	(NA)	1.3	1.7	1.8
<b>Black: Total 3 to 34 years old</b>	7,829	8,281	8,444	8,586	67.4	53.9	50.9	51.1
3 and 4 years old	250	371	499	411	22.7	39.2	42.7	39.2
5 and 6 years old	999	904	1,030	1,100	64.9	95.4	95.7	95.2
7 to 13 years old	3,998	3,598	3,549	3,564	99.3	99.4	99.1	99.4
14 and 15 years old	1,025	1,088	1,106	1,079	97.6	97.9	97.9	96.6
16 and 17 years old	637	1,047	994	1,015	85.7	90.6	91.7	93.2
18 and 19 years old	352	494	472	518	40.1	45.7	44.1	48.4
20 and 21 years old	174	242	298	298	22.8	23.4	27.7	25.7
22 to 24 years old	84	196	216	251	8.0	13.6	13.7	16.6
25 to 29 years old	88	187	182	197	4.8	8.8	7.4	7.5
30 to 34 years old	41	124	119	143	3.4	6.6	5.1	5.9
35 years old and over <sup>2</sup>	(NA)	188	233	265	(NA)	1.5	1.9	2.0

NA Not available. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Black and other races.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 406 and earlier reports; and unpublished data.

### NO. 197. ELEMENTARY AND SECONDARY SCHOOLS—ENROLLMENT AND TEACHERS, BY TYPE OF CONTROL, 1960 TO 1986, AND PROJECTIONS, 1990

(In thousands, except percent. As of fall. Schools are classified by type of organization, rather than by grade group; elementary includes kindergarten and secondary includes junior high. Minus sign (—) indicates decrease)

ITEM	TOTAL				PUBLIC			PRIVATE <sup>2</sup>		
	Number	Percent change <sup>1</sup>	Elementary	Secondary	Number	Elementary	Secondary	Number	Elementary	Secondary
<b>Enrollment: 1960</b>	42,181	3.6	29,180	13,031	36,281	24,380	11,931	5,900	4,800	1,100
1965	46,473	2.8	31,570	16,904	42,173	28,670	15,504	5,300	4,800	1,498
1970	51,272	1.1	31,553	19,719	45,808	27,501	18,408	5,363	4,052	1,311
1975	49,791	—1.6	29,340	20,451	44,791	25,840	19,151	5,000	3,700	1,300
1980	48,318	—1.4	28,148	18,170	40,887	24,158	16,831	5,331	3,882	1,389
1985	45,113	—5.5	26,585	18,528	39,513	24,285	15,228	5,000	4,300	1,399
1986 <sup>3</sup>	45,312	.4	26,927	18,385	39,712	24,627	15,085	5,800	4,800	1,320
1990 <sup>4</sup>	48,589	.7	31,278	15,319	40,886	26,778	14,118	5,700	4,500	1,200
<b>Teachers: 1960</b>	1,800	4.5	991	809	1,406	858	550	192	133	59
1965	1,963	3.9	1,112	822	1,710	998	748	223	147	75
1970	2,268	3.4	1,261	1,007	2,065	1,128	927	233	153	80
1975	2,451	1.4	1,352	1,099	2,196	1,160	1,016	256	172	84
1980	2,483	.1	1,368	1,074	2,182	1,177	985	301	212	89
1985	2,553	.7	1,476	1,076	2,210	1,230	981	343	246	97
1986 <sup>3</sup>	2,551	—1.1	1,488	1,055	2,203	1,248	957	348	250	90
1990 <sup>4</sup>	2,696	1.3	1,576	1,010	2,315	1,394	921	371	262	99

<sup>1</sup> Average from prior year shown; for 1990, change from 1985. For explanation of average annual change, see Guide to Table Presentation. <sup>2</sup> Data beginning 1970 are estimated. <sup>3</sup> Estimate. <sup>4</sup> Projection.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual, and unpublished data.

## B. PREPRIMARY SCHOOL ENROLLMENT OF CHILDREN 3 TO 5 YEARS OLD: 1970 TO 1986

Net, civilian noninstitutional population. Includes public and nonpublic nursery school and kindergarten programs. Year olds enrolled in elementary school. The method of identifying Hispanic children was changed in 1980 from based on status of mother to status reported for each child. The number of Hispanic children using the new method is shown on Current Population Survey, see text, section 1.

Item	NUMBER OF CHILDREN ('000)							ENROLLMENT RATE			
	1970	1975	1980	1983	1984	1985	1986	1970	1980	1985	1986
5 years old	10,877	10,183	9,284	10,252	10,612	10,733	10,886	(x)	(x)	(x)	(x)
total <sup>1</sup>	4,078	4,954	4,879	5,385	5,480	5,885	5,971	37.5	52.6	54.8	55.0
Hispanic	1,093	1,745	1,982	2,347	2,335	2,477	2,545	(x)	(x)	(x)	(x)
Non-Hispanic	762	1,174	1,353	1,536	1,583	1,631	1,715	(x)	(x)	(x)	(x)
Hispanic	2,982	3,209	2,896	3,038	3,145	3,388	3,426	(x)	(x)	(x)	(x)
Non-Hispanic	2,478	2,682	2,436	2,416	2,688	2,847	2,859	(x)	(x)	(x)	(x)
Hispanic	3,414	4,105	3,994	4,430	4,411	4,757	4,851	37.8	52.7	54.7	55.2
Non-Hispanic	585	731	725	756	845	919	892	34.9	51.8	55.8	54.1
Hispanic	(NA)	(NA)	370	408	380	486	583	(NA)	43.9	43.3	47.8
Non-Hispanic	454	683	857	1,005	1,004	1,035	1,041	13.0	27.3	28.8	28.9
Hispanic	1,003	1,418	1,423	1,819	1,803	1,785	1,772	27.9	48.3	49.1	49.0
Non-Hispanic	2,617	2,652	2,596	2,762	2,672	3,065	3,157	69.2	64.7	66.5	66.7
STATUS OF MOTHER											
In mother in											
house <sup>2</sup>	1,345	2,158	2,480	2,853	2,869	3,306	3,403	38.8	57.1	58.1	58.9
Not in house	528	973	1,252	1,453	1,480	1,856	1,886	23.5	43.2	43.6	44.1
Not in house	818	1,195	1,229	1,369	1,479	1,849	1,717	66.6	65.2	67.2	68.0
Present	1,131	1,733	1,976	2,296	2,388	2,729	2,715	39.5	58.7	58.8	59.1
Not present	214	435	504	556	603	577	688	36.0	58.1	56.7	58.1
Present	1,248	1,948	2,256	2,578	2,702	2,999	3,159	39.3	58.2	59.1	59.8
Not present	770	1,236	1,445	1,555	1,740	1,989	2,098	38.8	57.4	57.4	58.9
In labor force	2,694	2,704	2,286	2,378	2,311	2,372	2,381	37.0	48.9	50.4	50.0
Not in labor force											
In house <sup>3</sup>	1,031	1,723	1,976	2,307	2,324	2,651	2,791	39.1	58.8	58.0	59.0
Not in house	374	740	987	1,180	1,148	1,310	1,377	22.1	41.9	42.9	43.8
Not in house	657	983	1,007	1,147	1,176	1,341	1,414	69.2	68.3	68.4	69.7
Present	913	1,449	1,671	1,953	1,992	2,329	2,346	39.1	58.5	58.0	59.4
Not present	119	273	305	354	332	322	445	38.9	58.7	51.7	58.8
Present	959	1,599	1,849	2,130	2,154	2,467	2,624	39.3	57.8	59.1	59.9
Not present	557	941	1,127	1,300	1,294	1,535	1,827	38.2	58.8	56.5	58.5
In labor force	2,354	2,331	1,914	2,007	1,925	1,973	1,909	37.4	49.4	51.0	50.4
Not in labor force											
In house <sup>3</sup>	281	372	436	458	539	548	494	36.8	59.2	60.2	58.6
Not in house	138	181	244	243	284	300	280	27.3	48.9	49.1	48.8
Not in house	143	181	193	214	252	248	234	55.8	60.5	63.1	60.8
Present	192	221	240	272	276	311	287	39.4	57.7	60.0	57.1
Not present	89	151	198	186	280	237	227	32.2	61.8	60.3	60.2
Present	256	313	356	386	443	439	424	37.9	60.5	60.3	59.3
Not present	195	244	289	302	367	361	357	39.0	60.0	62.6	62.1
In labor force	298	330	285	285	274	321	350	33.9	45.4	48.6	49.0
Not in labor force											
In mother in	(NA)	(NA)	181	205	154	239	254	(NA)	50.8	49.3	53.0
Not in mother in	(NA)	(NA)	101	84	75	112	100	(NA)	39.8	33.5	33.2
Not in mother in	(NA)	(NA)	79	120	79	127	154	(NA)	79.2	83.6	86.3
Present	(NA)	(NA)	146	175	129	188	173	(NA)	50.3	50.4	55.0
Not present	(NA)	(NA)	34	30	25	51	81	(NA)	58.3	45.5	49.4
Present	(NA)	(NA)	185	180	133	223	235	(NA)	52.1	52.1	55.0
Not present	(NA)	(NA)	128	142	106	186	179	(NA)	49.2	53.4	57.4
In labor force	(NA)	(NA)	174	195	203	237	322	(NA)	38.8	38.8	44.4
Not in labor force											
ON OF MOTHER											
0 to 8 years	4,038	4,871	4,747	5,230	5,280	5,878	5,764	37.8	52.9	54.8	54.8
1 to 3 years	272	319	287	344	322	369	354	22.4	38.9	40.9	41.5
4 years	751	698	639	596	585	589	618	31.9	44.5	44.3	48.5
5 years	1,899	2,130	2,081	2,190	2,257	2,466	2,433	38.0	51.0	53.3	52.7
6 years	654	848	887	1,031	1,088	1,191	1,298	48.7	60.6	61.4	60.1
7 years or more	462	780	853	1,087	1,030	1,062	1,123	55.8	70.3	66.6	68.4
Others	3,385	4,054	3,890	4,315	4,250	4,824	4,700	37.9	52.9	54.8	55.2
0 to 8 years	184	212	197	255	231	269	248	21.8	34.5	40.9	38.7
1 to 3 years	544	483	426	419	385	377	420	31.1	42.9	40.4	45.1
4 years	1,657	1,813	1,751	1,804	1,858	2,019	2,038	37.9	50.5	52.9	53.1
5 years	578	847	787	873	878	1,018	1,020	48.0	61.1	61.8	60.1
6 years or more	422	698	749	984	896	941	976	55.8	70.4	67.6	69.0
Others	579	702	723	724	810	889	845	35.3	52.9	55.3	54.1
0 to 8 years	80	94	72	80	42	65	80	24.1	43.9	42.4	52.3
1 to 3 years	187	200	197	180	176	203	181	33.2	48.5	53.1	50.5
4 years	218	279	295	326	340	391	317	37.9	54.4	56.8	49.5
5 years	89	82	100	119	171	142	185	54.8	57.8	59.7	64.5
6 years or more	25	46	59	60	82	68	82	(8)	72.1	63.2	67.4
Others	(NA)	(NA)	354	400	357	475	576	(NA)	42.8	43.4	47.8
0 to 8 years	(NA)	(NA)	80	124	118	162	167	(NA)	28.7	39.0	38.1
1 to 3 years	(NA)	(NA)	73	65	77	78	101	(NA)	42.9	41.0	43.8
4 years	(NA)	(NA)	131	121	108	138	205	(NA)	51.4	41.8	55.9
5 years	(NA)	(NA)	40	45	40	72	71	(NA)	(8)	62.6	61.5

o small to meet standards of reliability. NA Not available. X Not applicable. <sup>1</sup> Includes children with no labor force status is unknown and children with no mother present in household, not shown separately. <sup>2</sup> Estimated. <sup>3</sup> Hispanic persons may be of any race. <sup>4</sup> Includes children who are unemployed, not shown separately. <sup>5</sup> Includes mothers with 4 years of college or more.

Source: Bureau of the Census, Current Population Reports, series P-20, No. 318, and unpublished data.

## No. 199. PUBLIC SCHOOL ENROLLMENT IN REGULAR SCHOOLS, BY LEVEL—STATES: 1960 AND 1965

(In thousands. As of fall. Includes unclassified students. See also Appendix III)

STATE	PRE-KINDERGARTEN THROUGH GRADE 8		GRADES 9-12 <sup>1</sup>		HIGHER EDUCATION <sup>2</sup>		STATE	PRE-KINDERGARTEN THROUGH GRADE 8		GRADES 9-12 <sup>1</sup>		HIGHER EDUCATION <sup>2</sup>	
	1960	1965 <sup>3</sup>	1960	1965 <sup>3</sup>	1960	1965 <sup>3</sup>		1960	1965 <sup>3</sup>	1960	1965 <sup>3</sup>	1960	1965 <sup>3</sup>
U.S.	27,674	27,047	13,313	12,467	4,467	4,479	MS	330	330	147	141	91	91
AL	528	517	231	213	144	159	MO	567	544	277	251	165	169
AK	60	77	26	30	21	27	MT	106	106	50	46	31	32
AZ	357	366	157	162	164	202	NE	189	184	91	82	74	61
AR	310	304	138	130	66	66	NV	101	107	49	48	40	43
CA	2,781	2,927	1,357	1,329	1,000	1,444	NH	112	107	55	54	34	27
CO	374	379	172	172	146	142	NJ	820	740	428	376	247	237
CT	364	321	168	141	69	69	NM	186	187	85	90	55	66
DE	62	63	37	30	28	28	NY	1,836	1,703	1,033	916	563	563
DC	71	82	29	25	14	13	NC	786	749	343	337	226	267
FL	1,042	1,066	468	477	334	334	ND	77	77	40	36	32	36
GA	742	757	327	323	140	140	OH	1,312	1,206	645	586	382	379
HI	110	112	55	53	25	43	OK	399	414	179	176	137	147
ID	144	149	59	59	34	34	OR	319	306	145	142	140	120
IL	1,335	1,246	649	580	481	520	PA	1,231	1,093	676	591	292	301
IN	706	654	347	312	189	189	RI	95	90	63	43	36	36
IA	351	324	163	161	97	110	SC	426	424	193	183	108	108
KS	283	286	133	125	127	127	SD	96	96	42	37	24	23
KY	464	449	208	196	115	111	TN	602	575	252	239	157	148
LA	544	571	234	221	137	153	TX	2,049	2,281	651	671	614	677
ME	153	140	70	66	32	33	UT	260	299	89	106	60	69
MD	493	493	259	225	195	195	VT	66	63	29	27	18	19
MA	676	599	346	285	164	166	VA	703	665	317	303	247	251
MI	1,227	1,104	636	596	464	434	WA	515	507	242	243	276	202
MN	482	466	272	237	162	174	WV	270	249	113	109	71	67
							WI	526	501	303	297	235	239
							WY	70	74	28	29	21	24

<sup>1</sup> Preliminary. <sup>2</sup> Includes postgraduates. <sup>3</sup> See headnote, table 244. <sup>4</sup> Includes U.S. military academies not shown separately.Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

## No. 200. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY GRADE SPAN—STATES: 1965

(For school year ending in year shown. Schools classified by type of organization rather than by grade-group. See Appendix III)

STATE	Total	Elementary <sup>1</sup>	Secondary <sup>2</sup>	Combined and other <sup>3</sup>	STATE	Total	Elementary <sup>1</sup>	Secondary <sup>2</sup>	Combined and other <sup>3</sup>
U.S.	84,007	57,331	22,320	4,456	MS	699	445	210	231
AL	1,336	799	325	215	MO	2,144	1,359	629	156
AK	447	165	78	204	MT	779	590	214	5
AZ	685	622	216	47	NE	1,648	1,257	391	5
AR	1,166	710	452	6	NV	296	208	63	5
CA	7,621	4,932	1,887	602	NH	435	329	87	19
CO	1,282	853	415	14	NJ	2,256	1,703	454	99
CT	962	699	245	28	NM	636	454	178	8
DE	165	96	52	17	NY	3,951	2,676	1,080	215
DC	179	121	50	8	NC	1,976	1,386	515	73
FL	2,262	1,460	457	345	ND	664	400	250	14
GA	1,771	1,205	439	37	OH	3,784	2,646	1,100	38
HI	230	162	54	14	OK	1,670	1,186	663	21
ID	586	366	186	30	OR	1,250	916	327	7
IL	4,342	3,037	1,024	281	PA	3,373	2,375	825	173
IN	1,927	1,339	485	103	RI	266	218	61	7
IA	1,705	1,060	605	40	SC	1,121	781	319	21
KS	1,485	1,014	489	2	SD	734	481	239	14
KY	1,379	963	354	42	TN	1,685	1,175	467	43
LA	1,507	952	371	184	TX	5,739	3,969	1,532	238
ME	759	569	176	14	UT	694	454	187	43
MD	1,219	856	297	66	VT	377	309	55	13
MA	1,606	1,335	433	38	VA	1,602	1,263	456	61
MI	3,804	2,742	896	166	WA	1,685	1,092	518	75
MN	1,566	942	556	68	WV	1,104	763	281	60
					WI	2,023	1,407	598	17
					WY	396	283	94	9

— Represents zero. <sup>1</sup> Includes schools beginning with grade 6 or below and no grade higher than 8. <sup>2</sup> Includes schools with no grade lower than 8. <sup>3</sup> Includes special education, alternative, and other schools not classified by grade span.Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

## No. 201. YEARS OF SCHOOL COMPLETED, BY AGE AND RACE: 1940 TO 1986

as of April 1; beginning 1984 as of March. Excludes Armed Forces, except members living off post or with out. Beginning 1980, excludes inmates of institutions. 1940 based on complete count; 1980 based on 20-percent sample; 1970 on 20-percent sample; and 1980 on 17-percent sample; beginning 1984 based on 100-percent survey; see text, section 1. For definition of median, see Guide to Tabular Presentation]

AGE YEAR	ALL PERSONS					BLACK PERSONS				
	Percent not high school graduates		Percent with 4 years of high school or more		Median school years completed	Percent not high school graduates		Percent with 4 years of high school or more		Median school years completed
	Total	With less than 5 yr. of school	Total	College, 4 yr. or more		Total	With less than 5 yr. of school	Total	College, 4 yr. or more	
1940	75.5	13.7	24.5	4.8	8.8	92.7	42.0	7.9	1.9	6.7
1950	66.7	11.1	34.3	8.2	9.3	87.1	32.9	12.9	2.1	6.6
1960	58.9	8.3	41.1	7.7	10.8	79.9	23.8	20.1	3.1	8.0
1970	47.7	5.5	52.3	10.7	12.1	68.6	14.6	31.4	4.4	9.8
1980	33.5	3.8	65.5	18.2	12.5	48.9	8.2	51.2	8.4	12.0
1984	26.7	2.8	73.3	19.1	12.6	41.5	7.0	58.5	10.4	12.2
1985	28.1	2.7	73.9	19.4	12.8	40.2	6.2	59.8	11.1	12.3
1986	25.3	2.7	74.7	19.4	12.8	37.7	5.4	62.3	10.9	12.3
1940	81.9	5.9	38.1	5.9	10.3	88.4	27.7	11.8	1.8	7.0
1950	49.5	4.7	52.8	7.7	12.0	80.4	18.8	22.2	2.7	6.8
1960	38.3	2.8	60.7	11.1	12.3	62.3	7.0	37.7	4.8	9.9
1970	28.2	1.7	73.8	16.3	12.6	44.6	3.2	55.4	6.0	12.1
1980	15.5	1.1	84.5	22.1	12.9	24.8	1.1	75.2	11.4	12.8
1984	14.1	.8	85.9	21.9	12.8	21.2	.9	78.8	11.8	12.6
1985	13.9	.7	86.1	22.2	12.9	19.4	.4	80.6	11.5	12.7
1986	13.9	.9	86.1	22.4	12.9	16.7	.5	83.4	11.8	12.7

Bureau of the Census, U.S. Census of Population, 1940, 1950, 1960, 1970, and 1980, vol. 1; and Current Population Reports, forthcoming reports.

## . YEARS OF SCHOOL COMPLETED, BY RACE, HISPANIC ORIGIN, AND SEX: 1980 TO 1986

25 years old and over. Hispanic persons may be of any race. For definition of median, see Guide to Tabular Presentation. See headline, table 201. See also Historical Statistics, Colonial Times to 1970, series H 602-617]

YEAR, RACE, HISP, AND SEX	Popula- tion (1,000)	PERCENT OF POPULATION COMPLETING--							Median school years completed
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years or more	
<b>1980</b>	<b>98,438</b>	<b>8.3</b>	<b>13.8</b>	<b>17.5</b>	<b>19.2</b>	<b>24.6</b>	<b>8.8</b>	<b>7.7</b>	<b>10.8</b>
White	89,581	8.7	12.8	18.1	19.3	25.8	9.3	8.1	10.9
Black	43,259	7.4	13.7	18.7	18.9	22.2	8.1	10.3	10.7
Hispanic	45,322	8.0	11.9	17.8	19.6	29.2	9.5	8.0	11.2
Male	9,054	23.8	24.2	12.9	19.0	12.9	4.1	3.1	8.0
Female	4,240	28.3	23.9	12.3	17.3	11.3	4.1	2.8	7.7
Under 18	4,814	19.8	24.5	13.4	20.5	14.3	4.1	3.3	8.8
<b>1990</b>	<b>108,889</b>	<b>5.5</b>	<b>10.0</b>	<b>12.8</b>	<b>18.4</b>	<b>31.1</b>	<b>10.8</b>	<b>10.7</b>	<b>12.1</b>
White	96,246	4.5	9.1	13.0	18.6	32.2	11.1	11.3	12.1
Black	46,527	4.8	9.7	13.3	18.2	28.5	11.1	14.4	12.1
Hispanic	51,718	4.1	8.6	12.8	19.4	36.5	11.1	8.4	12.1
Male	10,375	14.6	18.7	10.5	24.8	21.2	5.9	4.4	9.8
Female	4,714	17.7	19.1	10.2	22.9	20.0	6.0	4.2	9.4
Under 18	5,881	12.0	18.3	10.6	26.4	22.2	5.8	4.6	10.1
White	3,846	19.5	18.6	11.5	18.2	21.1	8.5	4.5	9.1
Black	1,887	19.1	18.0	11.3	19.1	19.9	7.8	5.8	9.3
Hispanic	2,050	19.9	19.2	11.8	18.3	22.3	5.4	3.2	8.9
<b>1995</b>	<b>132,539</b>	<b>3.8</b>	<b>6.7</b>	<b>8.0</b>	<b>15.3</b>	<b>34.6</b>	<b>16.7</b>	<b>18.3</b>	<b>12.5</b>
White	114,290	2.6	5.8	6.2	14.6	35.7	16.0	17.1	12.5
Black	53,941	2.8	6.0	6.0	13.8	31.8	16.4	21.3	12.5
Hispanic	60,348	2.5	5.6	6.4	15.5	39.1	16.6	13.3	12.6
Male	13,195	8.2	11.7	7.1	21.8	29.3	13.5	8.4	12.0
Female	5,895	10.0	12.0	6.7	20.5	28.3	14.0	8.4	12.0
Under 18	7,300	9.7	11.9	7.3	22.9	30.0	13.2	8.3	12.0
White	8,739	15.5	18.8	8.1	15.8	24.4	12.0	7.8	10.8
Black	3,247	15.2	18.2	7.7	15.5	22.6	13.4	9.4	11.1
Hispanic	3,493	15.8	17.1	8.4	18.1	28.0	10.6	8.0	10.8
<b>2000</b>	<b>146,808</b>	<b>2.7</b>	<b>4.7</b>	<b>6.0</b>	<b>11.9</b>	<b>38.4</b>	<b>16.9</b>	<b>19.4</b>	<b>12.8</b>
White	127,289	2.2	4.2	5.1	11.3	39.0	17.1	20.1	12.7
Black	60,770	2.4	4.2	6.1	10.8	35.2	17.3	24.0	12.8
Hispanic	68,500	2.1	4.2	6.1	11.8	42.5	16.9	18.4	12.8
Male	15,234	5.4	6.3	5.6	18.5	35.6	15.8	10.9	12.3
Female	8,779	6.8	6.9	5.2	17.7	34.3	16.0	11.2	12.3
Under 18	8,455	4.3	7.8	5.9	19.0	36.8	15.6	10.7	12.4
White	9,030	12.9	15.9	8.1	14.7	28.4	11.8	8.4	11.7
Black	4,387	13.3	15.5	7.3	14.7	27.4	12.3	9.5	11.8
Hispanic	4,633	12.5	16.2	8.8	14.7	29.4	11.0	7.4	11.5

Bureau of the Census, U.S. Census of Population, 1980, vol. 1; 1970, vols. 1 and 2; 1990, vol. 1, chapter C, and New Reports, series P-20, No. 403.

## NO. 203. YEARS OF SCHOOL COMPLETED, BY RACE, SEX, AND AGE: 1986

(Persons 25 years old and over. As of March 1986. See headnote, table 201. For definition of median, see Guide to Tabular Presentation)

RACE, SEX, AND AGE	Population (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years or more	
All races	146,888	11.1	4.7	6.9	11.9	36.4	16.9	16.4	12.6
Male	69,503	2.8	4.7	6.0	11.3	34.9	17.1	23.2	12.7
Female	77,102	2.8	4.6	6.0	12.5	41.6	16.7	16.1	12.6
25-29 years	21,619	.9	1.6	1.6	9.8	42.2	21.6	22.4	12.9
30-34 years	20,434	.9	1.7	1.6	8.2	40.1	21.7	25.7	12.9
35-44 years	32,506	1.2	2.6	2.6	9.0	39.9	20.5	25.5	12.9
45-54 years	22,662	2.3	4.0	4.7	12.6	42.0	15.2	19.1	12.6
55 years old and over	49,363	5.3	9.0	12.7	11.1	34.2	11.2	11.7	12.2
Black	16,234	5.4	6.3	5.6	16.6	36.6	16.5	10.9	12.3
25-29 years	2,664	.6	.8	1.2	14.1	47.0	24.5	11.8	12.7
30-34 years	2,417	.7	1.4	2.5	15.2	44.1	20.4	15.6	12.7
35-44 years	3,408	1.0	3.1	2.4	17.7	40.6	20.5	14.6	12.6
45-54 years	2,403	3.2	7.4	6.9	16.6	36.0	13.2	9.6	12.2
55 years old and over	4,323	15.6	21.2	11.9	20.7	19.5	5.5	5.6	9.2
Hispanic origin <sup>1</sup>	9,636	12.6	16.9	6.1	14.7	26.4	11.6	9.4	11.7
25-29 years	1,662	5.8	12.0	6.4	17.0	11.1	16.3	9.0	12.3
30-34 years	1,564	6.5	14.5	5.0	16.1	33.8	13.8	10.9	12.2
35-44 years	2,209	10.2	15.2	7.7	14.2	29.2	13.8	9.8	12.1
45-54 years	1,411	13.6	17.3	6.1	15.5	26.7	9.1	7.4	11.0
55 years old and over	1,691	27.6	20.6	13.0	11.2	17.7	4.8	4.9	6.1

<sup>1</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

## NO. 204. PERCENT OF POPULATION WITH LESS THAN 5 YEARS OF SCHOOL AND WITH 4 YEARS OF HIGH SCHOOL OR MORE, BY AGE, RACE, AND HISPANIC ORIGIN: 1970 TO 1986

(Persons 25 years old and over. As of April 1970 and 1980, and March 1975 and 1986)

RACE AND HISPANIC ORIGIN	LESS THAN 5 YEARS OF SCHOOL								4 YEARS OF HIGH SCHOOL OR MORE							
				1980								1980				
	1970	1975	1980	Total	25-34 yr	35-44 yr	45-54 yr	65 yr. and over	1970	1975	1980	Total	25-34 yr	35-44 yr	45-54 yr	65 yr. and over
All races <sup>1</sup> .....	6.6	4.2	3.6	2.7	.9	1.2	3.0	6.5	62.3	62.5	66.5	74.7	86.6	84.6	71.6	69.9
White.....	4.5	3.3	2.6	2.2	.6	1.1	2.4	5.0	54.5	64.6	66.8	76.2	87.5	86.0	74.1	61.9
Black.....	14.6	12.3	6.2	5.4	.6	1.0	6.0	21.3	31.4	42.5	51.2	62.3	61.9	75.8	50.0	22.4
Hispanic <sup>2</sup> .....	19.5	18.5	15.5	12.9	6.0	10.2	17.5	33.1	32.1	37.9	44.0	48.5	58.6	52.7	41.1	19.2
Mexican.....	26.5	24.6	20.1	16.3	7.9	13.4	22.7	44.1	24.2	31.0	37.6	43.3	54.7	47.0	33.5	9.9
Puerto Rican.....	20.6	17.4	14.1	10.6	1.0	6.6	10.6	36.6	23.4	28.7	40.1	44.7	58.1	47.3	31.0	14.3
Cuban.....	8.2	7.3	7.3	6.6	-	3.4	10.9	19.5	43.9	51.7	55.3	59.1	60.0	72.8	55.4	28.7
Other <sup>3</sup> .....	6.6	7.6	6.3	6.7	4.6	4.9	7.3	16.5	44.9	56.0	57.4	60.0	64.7	65.0	57.9	34.9

- Represents or rounds to zero.

<sup>1</sup> Includes races not shown separately.<sup>2</sup> Hispanic persons may be of any race.<sup>3</sup> Includes Central or South American and other Hispanic origin.Source: U.S. Bureau of the Census, *Census of Population: 1970*, vols. I and II, *1980 Census of Population*, vol. I, chapter C, *Current Population Reports*, series P-20, No. 403; and unpublished data.

## NO. 205. SCHOOL DAYS LOST ASSOCIATED WITH ACUTE CONDITIONS: 1962 TO 1985

(Days lost per year per 100 children, ages 6-16, beginning 1964, ages 5-17. Based on data collected during the periods July of the previous year to June of the year shown through 1980; beginning 1964 is based on calendar year data. Based on a sample of the civilian noninstitutionalized population; see Appendix III)

CONDITION	1962	1966	1970	1975	1980	1984	1986				
							Total <sup>1</sup>	Male	Female	White	Black
All acute conditions.....	521	496	482	461	467	414	267	346	429	496	369
Infective and parasitic diseases.....	108	139	80	81	69	66	94	67	101	91	136
Respiratory conditions.....	342	236	264	261	262	247	216	190	242	229	144
Upper respiratory.....	174	147	147	121	118	66	91	66	96	63	91
Influenza and other.....	166	91	117	140	144	159	124	104	146	136	66
Digestive system conditions.....	14	13	24	21	22	19	* 13	* 15	* 11	* 12	* 17
Injuries.....	27	29	36	62	37	20	24	26	11	23	11
All other acute conditions.....	29	36	36	36	47	41	41	29	54	44	11

<sup>1</sup> Includes other races not shown separately.<sup>2</sup> Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, series 10, and unpublished data.

No. 206. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—SUMMARY: 1975 TO 1987

[For school year ending in year shown, except as indicated. Data are estimates]

ITEM	Unit	1975	1983	1981	1982	1982	1984	1985	1986	1987
local districts, total .....	Number ....	16,624	16,044	16,001	15,959	15,909	15,857	15,812	15,739	15,681
ENROLLMENT										
population 5-17 years old <sup>1</sup> .....	1,000 .....	51,498	48,041	47,236	46,353	45,655	45,130	44,942	44,975	45,143
Percent of resident population ..	Percent.....	24.1	21.4	20.8	20.2	19.7	19.3	19.0	18.8	18.7
enrollment <sup>2</sup> .....	1,000 .....	45,135	41,778	41,021	40,119	39,680	39,408	39,354	39,530	39,801
Percent of population 5-17 years old .....	Percent.....	87.6	87.0	86.8	86.6	86.9	87.3	87.6	87.9	88.2
elementary <sup>3</sup> .....	1,000 .....	25,780	24,397	24,140	24,052	23,883	23,672	23,688	23,980	24,380
secondary <sup>4</sup> .....	1,000 .....	19,355	17,381	16,881	16,037	15,796	15,736	15,666	15,570	15,440
average daily membership (ADM) .....	1,000 .....	44,442	40,812	40,162	39,308	38,883	38,589	38,751	38,708	38,902
attendance (ADA) .....	1,000 .....	41,478	38,411	37,857	37,072	36,752	36,480	36,505	36,642	36,838
school graduates .....	1,000 .....	2,840	2,782	2,731	2,711	2,811	2,503	2,424	2,384	2,377
INSTRUCTIONAL STAFF										
.....	1,000 .....	2,453	2,521	2,485	2,455	2,438	2,439	2,474	2,515	2,540
classroom teachers .....	1,000 .....	2,171	2,211	2,192	2,158	2,135	2,142	2,174	2,210	2,233
average salaries: instructional staff .....	Dollar .....	12,167	16,715	18,404	20,327	21,630	22,895	24,655	26,291	27,678
classroom teachers .....	Dollar .....	11,680	15,970	17,644	19,274	20,693	21,917	23,595	25,208	26,704
REVENUES										
gross receipts .....	Mill. dol ....	63,047	97,635	106,552	113,989	120,780	128,830	141,010	151,334	160,989
local .....	Mill. dol ....	5,099	9,020	9,285	6,419	8,623	8,802	9,283	9,767	9,959
state .....	Mill. dol ....	27,472	47,929	51,376	54,573	57,558	61,604	69,139	75,332	80,433
local .....	Mill. dol ....	30,486	40,686	45,892	51,007	54,579	58,524	62,588	66,214	70,517
Percent of revenue receipts: local .....	Percent.....	8.1	9.2	8.7	7.4	7.1	6.8	6.6	6.5	6.2
state .....	Percent.....	43.6	49.1	48.2	47.9	47.7	47.8	49.0	49.8	50.0
local .....	Percent.....	48.4	41.7	43.1	44.7	45.2	45.4	44.4	43.8	43.8
EXPENDITURES										
.....	Mill. dol ....	62,340	98,105	105,103	113,005	119,158	128,712	136,736	150,915	160,479
current expenditures (day schools) .....	Mill. dol ....	53,333	85,861	94,210	102,048	108,773	116,082	126,657	137,805	146,244
other current expenditures <sup>5</sup> .....	Mill. dol ....	1,746	1,859	2,004	2,227	2,003	2,017	2,075	2,177	2,189
capital outlay .....	Mill. dol ....	5,408	6,504	8,732	8,404	6,131	6,261	7,296	8,555	9,341
interest on school debt .....	Mill. dol ....	1,850	2,081	2,156	2,326	2,252	2,333	2,508	2,577	2,706
Percent of total: current expenditures (day schools) .....	Percent.....	85.6	89.1	89.6	90.3	91.3	91.6	91.4	91.2	91.1
other current expenditures <sup>5</sup> .....	Percent.....	2.8	1.9	1.9	2.0	1.7	1.6	1.5	1.4	1.4
capital outlay .....	Percent.....	8.7	6.8	6.4	5.7	5.2	5.0	5.3	5.7	5.8
interest on school debt .....	Percent.....	3.0	2.2	2.1	2.1	1.9	1.8	1.8	1.7	1.7
current dollars: revenue receipts per pupil in—										
ADA .....	Dollar .....	1,520	2,542	2,815	3,075	3,286	3,533	3,863	4,130	4,368
ADM .....	Dollar .....	1,419	2,392	2,652	2,900	3,105	3,341	3,638	3,910	4,136
current expenditures per pupil in—										
ADA .....	Dollar .....	1,286	2,230	2,489	2,753	2,980	3,181	3,475	3,755	3,970
ADM .....	Dollar .....	1,200	2,089	2,345	2,596	2,797	3,008	3,274	3,555	3,759
constant (1987) dollars: <sup>6</sup> revenue receipts per pupil in—										
ADA .....	Dollar .....	3,265	3,643	3,616	3,635	3,724	3,861	4,064	4,222	4,368
ADM .....	Dollar .....	3,048	3,428	3,407	3,428	3,519	3,652	3,827	3,997	4,136
current expenditures per pupil in—										
ADA .....	Dollar .....	2,782	3,198	3,197	3,254	3,354	3,477	3,658	3,839	3,970
ADM .....	Dollar .....	2,577	3,008	3,012	3,068	3,170	3,288	3,444	3,634	3,759

<sup>1</sup> Estimated resident population as of July 1 of the previous year. <sup>2</sup> Fall enrollment of the previous year. <sup>3</sup> Kindergarten through grade 6. <sup>4</sup> Grades 7 through 12. <sup>5</sup> Current expenses for summer schools, adult education, post-high school vocational education, personnel retraining, etc., when operated by local school districts and not part of regular public elementary secondary day-school program. <sup>6</sup> Compiled by U.S. Bureau of the Census. Deflated by the Consumer Price Index, all wage rates (for school year) supplied by U.S. Dept. of Education, Center for Education Statistics.

Source: Except as noted, National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright) and *Statistics of the States*, annual (copyright); and unpublished data.



## No. 207. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY TYPE AND SIZE OF SCHOOL: 1985

(Data reported by schools, rather than school districts)

ENROLLMENT SIZE OF SCHOOL	NUMBER OF SCHOOLS					ENROLLMENT (1,000)				
	Total	Elementary <sup>1</sup>	Secondary <sup>2</sup>	Combined <sup>3</sup>	Other <sup>4</sup>	Total	Elementary <sup>1</sup>	Secondary <sup>2</sup>	Combined <sup>3</sup>	Other <sup>4</sup>
<b>Total</b>	<b>84,807</b>	<b>57,221</b>	<b>22,320</b>	<b>1,886</b>	<b>2,880</b>	<b>28,985</b>	<b>23,019</b>	<b>15,887</b>	<b>788</b>	<b>338</b>
<b>PERCENT DISTRIBUTION<sup>5</sup></b>										
<b>Total<sup>6</sup></b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Under 100 students	9.86	7.75	8.62	20.04	61.84	1.02	.97	.71	1.88	17.78
100 to 199 students	11.84	12.21	10.28	8.51	19.31	3.89	4.82	2.08	2.85	18.81
200 to 299 students	13.81	15.92	8.44	9.82	8.15	7.09	9.95	2.91	5.18	13.46
300 to 399 students	15.48	19.08	7.77	10.30	3.05	11.22	18.54	3.78	7.88	7.19
400 to 499 students	13.23	15.90	7.63	10.24	1.98	12.29	17.66	4.74	9.83	5.90
500 to 599 students	10.29	11.54	7.87	9.74	1.41	11.65	15.66	6.07	11.14	5.32
600 to 699 students	7.14	7.28	7.42	7.35	.89	9.58	11.89	6.67	10.03	2.89
700 to 799 students	4.81	4.30	6.48	5.34	1.23	7.48	7.87	6.71	8.33	6.27
800 to 899 students	5.55	3.86	10.30	7.54	.73	10.22	8.45	12.72	13.98	4.42
1,000 to 1,499 students	5.37	1.91	14.87	7.29	.87	13.35	5.48	24.89	18.25	8.87
1,500 to 1,999 students	1.91	.21	8.49	1.76	.48	6.77	.87	15.38	6.33	5.39
2,000 to 2,999 students	.87	.02	3.69	.75	.29	4.87	.13	11.39	3.74	3.86
3,000 or more students	.12	(2)	.44	.13	.08	.93	.03	2.23	.88	2.12
Average enrollment <sup>7</sup>	(x)	(x)	(x)	(x)	(x)	—	403	721	478	148

X Not applicable. Z Less than .005 percent. <sup>1</sup> Includes schools beginning with grade 6 or below and with no grade higher than 8. <sup>2</sup> Includes schools with no grade lower than 7. <sup>3</sup> Includes schools with both elementary and secondary grades. <sup>4</sup> Includes special education, alternative, and other schools not classified by grade span. <sup>5</sup> Data for those schools reporting enrollment.

Source: U.S. Department of Education, Center for Education Statistics, "Common Core of Data" survey.

## No. 208. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT, BY STATE: 1975 TO 1985

(Enrollment as of fall. Includes unclassified students. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION AND STATE	ENROLLMENT (1,000)			ENROLLMENT RATE <sup>2</sup>			REGION, DIVISION AND STATE	ENROLLMENT (1,000)			ENROLLMENT RATE <sup>2</sup>		
	1975	1980	1985 <sup>1</sup>	1975	1980	1985		1975	1980	1985 <sup>1</sup>	1975	1980	1985
<b>U.S.</b>	<b>44,791</b>	<b>40,984</b>	<b>39,513</b>	<b>88.9</b>	<b>86.5</b>	<b>87.8</b>	<b>So. Atl.—Con.</b>						
<b>Region:</b>							MO	681	751	672	87.3	83.8	85.8
Northeast	9,867	8,213	7,316	85.1	82.3	82.8	DC	130	100	87	87.8	91.8	100.8
Midwest	12,277	10,783	9,848	88.5	85.9	86.4	VA	1,104	1,010	988	83.7	80.7	89.2
South	14,654	14,134	14,123	90.6	87.8	90.0	WV	404	384	358	86.8	82.6	82.3
West	8,192	7,873	8,128	92.0	90.1	91.0	NC	1,185	1,129	1,066	92.8	90.0	92.7
<b>N. Atl.</b>	<b>2,857</b>	<b>2,188</b>	<b>1,888</b>	<b>88.8</b>	<b>85.8</b>	<b>85.8</b>	SC	630	619	607	89.8	88.1	88.7
ME	251	222	208	86.0	81.5	83.2	GA	1,090	1,089	1,080	90.1	86.9	88.8
NH	175	187	181	88.8	85.3	88.0	FL	1,551	1,510	1,563	88.8	84.4	87.4
VT	105	96	90	90.4	87.9	90.0	<b>E. So. Cent.</b>	<b>2,840</b>	<b>2,700</b>	<b>2,686</b>	<b>88.8</b>	<b>85.3</b>	<b>87.3</b>
MA	1,188	1,022	844	89.2	86.6	85.4	KY	682	670	644	85.5	83.7	85.8
RI	176	148	133	82.8	79.7	81.1	TN	677	654	614	88.5	87.6	88.8
CT	852	531	462	88.5	83.3	83.7	AL	759	759	730	86.2	87.6	89.2
<b>Mid. Atl.</b>	<b>7,110</b>	<b>6,038</b>	<b>5,430</b>	<b>83.8</b>	<b>80.8</b>	<b>81.8</b>	MS	512	477	471	84.1	78.6	82.8
NY	3,408	2,871	2,821	83.1	80.8	82.8	<b>W. So. Cent.</b>	<b>4,712</b>	<b>4,703</b>	<b>4,880</b>	<b>92.8</b>	<b>90.0</b>	<b>91.8</b>
NJ	1,458	1,248	1,116	84.7	81.5	81.8	AR	457	448	433	82.1	80.3	81.8
PA	2,244	1,899	1,683	83.8	80.4	80.1	LA	847	776	793	84.7	80.3	83.8
<b>E. No. Cent.</b>	<b>6,774</b>	<b>7,888</b>	<b>7,044</b>	<b>86.2</b>	<b>85.8</b>	<b>86.4</b>	OK	585	578	582	87.2	82.9	81.8
OH	2,293	1,957	1,794	89.0	84.8	86.0	TX	2,813	2,900	3,132	84.5	82.4	83.8
IN	1,174	1,058	986	89.8	86.0	87.8	<b>Mid.</b>	<b>2,344</b>	<b>2,280</b>	<b>2,401</b>	<b>83.7</b>	<b>82.8</b>	<b>82.8</b>
IL	2,270	1,983	1,826	85.5	82.6	82.8	MT	172	155	154	91.9	92.9	93.8
MI	2,073	1,883	1,690	90.9	90.1	82.8	ID	197	203	209	86.4	85.4	81.7
WI	984	830	758	84.1	82.1	83.1	WY	88	88	103	87.3	84.5	84.5
<b>W. No. Cent.</b>	<b>3,593</b>	<b>3,874</b>	<b>2,904</b>	<b>87.8</b>	<b>86.5</b>	<b>86.2</b>	CO	569	546	551	89.2	88.1	88.1
MN	680	754	705	88.3	87.2	87.8	NM	275	271	278	89.5	89.7	89.7
IA	612	534	485	88.3	88.4	86.8	AZ	483	514	548	88.9	88.6	88.6
MO	985	845	795	87.8	83.8	83.8	UT	310	344	403	88.2	85.0	85.0
ND	131	117	119	82.1	85.9	87.5	NV	140	149	155	93.4	101.8	101.8
SD	151	129	124	90.5	87.4	87.3	<b>Pac.</b>	<b>5,848</b>	<b>5,983</b>	<b>5,725</b>	<b>91.4</b>	<b>88.4</b>	<b>88.8</b>
NE	316	280	266	85.5	86.6	84.7	WA	785	758	750	93.8	91.0	90.8
KS	448	415	410	85.3	88.7	88.6	OR	478	485	445	91.8	88.5	88.8
<b>So. Atl.</b>	<b>7,102</b>	<b>6,871</b>	<b>6,514</b>	<b>90.8</b>	<b>87.4</b>	<b>86.5</b>	CA	4,420	4,118	—	91.4	88.0	90.8
DE	127	99	93	80.4	79.5	82.3	AK	89	87	107	84.2	84.0	87.2
							HI	178	185	—	84.8	83.4	82.8

<sup>1</sup> May include enrollment of 3 and 4 year olds in prekindergarten and kindergarten in some States. <sup>2</sup> Percent of persons, 5-17 years. Based on estimated resident population as of July 1, 1975 and 1985, and enumerated resident population as of April 1, 1980. <sup>3</sup> Estimated.

Source: U.S. Department of Education, Center for Education Statistics, *Digest of Education Statistics*, annual; and *Statistics of Public Elementary and Secondary School Systems*, annual.

## B. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT, BY GRADE: 1960 TO 1966

school year; thereafter, as of fall of year. Beginning 1976, kindergarten includes nursery schools. For 1970-1966, include ungraded, postgraduates, and special classes which are not reported among grades. For 1960, enrollment figures listed and 12th grade includes postgraduates. See also *Historical Statistics, Colonial Times to 1970*, series H 420-424.

GRADE	ENROLLMENT (1,000)									PERCENT DISTRIBUTION		
	1960	1970	1971 <sup>1</sup>	1976	1980	1982	1983	1984	1986	1960	1980	1986
enrolled	28,067	46,808	46,861	44,791	40,867	28,862	26,352	26,223	26,513	100.0	100.0	100.0
kindergarten	27,862	32,577	32,386	30,467	27,874	27,186	26,997	26,916	27,047	78.6	67.6	68.6
1-8	1,023	2,559	2,483	2,945	2,990	2,740	2,890	3,010	3,191	5.3	6.6	6.1
9-12	3,733	3,814	3,570	3,236	2,894	2,837	3,080	3,113	3,239	10.3	7.1	6.2
total	3,436	3,854	3,587	3,027	2,800	2,780	2,781	2,904	2,940	9.5	6.8	7.4
total	3,302	3,862	3,612	3,036	2,906	2,763	2,772	2,765	2,894	9.2	7.1	7.3
total	3,146	3,678	3,623	3,112	3,115	2,768	2,768	2,772	2,770	8.7	7.6	7.0
total	3,115	3,634	3,602	3,281	3,130	2,812	2,796	2,761	2,775	8.6	7.6	7.0
total	3,070	3,599	3,622	3,476	3,038	3,142	2,926	2,823	2,767	8.5	7.4	7.1
total	3,173	3,662	3,710	3,519	3,087	3,288	3,247	3,044	2,936	8.6	7.5	7.4
total	2,701	3,601	3,635	3,636	3,091	3,123	3,222	3,166	2,679	7.5	7.5	7.5
12	8,486	12,332	13,616	14,304	13,313	12,486	12,356	12,376	12,467	23.6	22.6	21.6
11	2,412	3,652	3,781	3,879	3,380	3,248	3,330	3,436	3,436	6.7	6.2	6.7
10	2,256	3,467	3,571	3,723	3,375	3,137	3,109	3,144	3,229	6.3	6.2	6.2
9	2,083	3,127	3,200	3,354	3,196	2,816	2,661	2,819	2,867	5.7	7.6	7.3
8	1,752	2,774	2,862	2,966	2,826	2,767	2,676	2,599	2,550	4.6	7.1	6.5

1976 is peak enrollment year.

U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

## C. PUBLIC ELEMENTARY AND SECONDARY SCHOOL TEACHERS—SELECTED CHARACTERISTICS: 1976 TO 1986

Percent, except median. As of spring. Based on sample of all public school teachers and subject to sampling variability.

CHARACTERISTIC	1976		1981			1986				
	Elementary	Secondary	Elementary	Junior High <sup>1</sup>	Senior High	Elementary	Junior High <sup>1</sup>	Senior High	Male	Female
AGE										
25 or older	(NA)	(NA)	3.6	4.8	2.6	2.6	4.1	1.8	1.8	2.1
25-34	(NA)	(NA)	40.0	40.8	36.6	27.3	16.6	20.6	16.6	26.1
35-44	(NA)	(NA)	25.5	27.8	34.2	38.6	44.8	43.6	47.0	37.7
45-54	(NA)	(NA)	18.9	17.9	18.6	21.7	21.3	23.2	23.1	21.7
55-64	(NA)	(NA)	6.2	6.4	6.6	11.1	10.8	10.3	11.0	10.8
65 and over	(NA)	(NA)	.9	.3	.2	.7	.7	.6	.5	.7
Median	34	33	37	36	37	39	40	41	41	39
SEX										
Male	12.6	52.2	17.7	41.3	51.5	13.6	38.6	53.0	100.0	00
Female	87.2	47.8	82.3	58.7	48.5	86.2	61.4	47.0	00	100.0
RACE										
White	89.7	91.8	90.6	89.4	94.0	89.3	86.7	89.0	90.6	89.2
Black	6.6	6.6	6.4	10.3	5.3	6.2	10.2	5.6	6.3	7.2
Hispanic	3.7	1.6	.8	.3	.7	4.5	3.1	2.4	3.0	3.7
EDUCATION										
Master's degree	69.6	63.9	54.6	52.7	42.8	63.9	47.9	40.2	36.3	52.9
4 or 6 year degree	29.3	44.5	44.7	47.3	56.1	45.9	50.7	55.5	60.4	46.2
no pass competency test	(NA)	(NA)	25.9	17.9	17.4	19.0	21.2	18.1	18.2	18.5
EXPERIENCE										
Long experience of—										
10 years	10.1	12.5	6.0	6.1	5.2	4.3	5.0	4.9	3.1	5.3
15 years	15.9	15.9	8.7	11.0	7.0	6.7	3.2	4.3	3.1	6.5
20 years	28.6	29.0	28.2	25.0	22.3	19.4	19.6	13.8	12.7	18.9
25 years	15.6	19.0	20.5	22.0	27.3	24.4	17.6	23.0	20.7	23.1
30 years	12.1	12.9	14.5	16.8	16.0	21.6	24.9	23.8	24.6	22.3
35 years	17.5	10.6	22.3	18.2	22.3	24.7	29.6	30.1	36.6	23.8
1 year	6	8	11	11	12	14	16	15	17	14
become a teacher again	71.3	66.3	52.8	39.1	42.2	54.6	41.4	46.6	39.4	53.4
become a teacher	16.1	22.6	30.4	41.5	40.1	25.8	36.3	34.5	42.2	28.2

1 Not available. X Not applicable. <sup>1</sup> Includes middle schools. <sup>2</sup> For definition of median, see Guide to Tabular Material. <sup>3</sup> Does not include minorities of Spanish descent. <sup>4</sup> Includes certainly would (would not) and probably would (would not).

National Education Association, Washington, DC, *Status of the American Public School Teacher, 1976-78, 1980-81, and 1982-83*.

### No. 211. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—NUMBER AND AVERAGE SALARY OF CLASSROOM TEACHERS, 1960 TO 1987, AND BY STATE, 1987

[Estimates for school year ending in June of year shown. Schools classified by type of organization rather than by grade-group; elementary includes kindergarten]

YEAR AND STATE	TEACHERS <sup>1</sup> (1,000)			AVG. SALARY (\$1,000)			STATE	TEACHERS <sup>1</sup> (1,000)			AVG. SALARY (\$1,000)		
	Total	Elementary	Secondary	All teachers	Elementary	Secondary		Total	Elementary	Secondary	All teachers	Elementary	Secondary
1960	1,355	834	521	5.0	4.8	5.3	LA	43.6	28.5	15.0	21.3	21.0	
1970	2,008	1,109	899	8.6	8.4	8.9	ME	12.9	8.5	4.4	21.3	20.8	
1975	2,171	1,169	1,001	11.7	11.3	12.0	MD	38.2	18.0	20.2	28.7	27.9	
1976	2,191	1,170	1,021	12.6	12.3	12.9	MA	56.8	22.6	34.4	28.4	25.9	
1977	2,186	1,176	1,011	13.4	13.0	13.8	MI	80.2	52.0	28.2	31.5	31.3	
1978	2,197	1,176	1,020	14.2	13.9	14.6	MN	41.0	20.3	20.7	29.1	26.5	
1979	2,206	1,193	1,013	15.0	14.7	15.4	MS	26.8	15.3	11.6	19.6	19.3	
1980	2,211	1,206	1,005	16.0	15.6	16.5	MO	48.9	24.9	24.0	23.5	22.7	
1981	2,192	1,196	996	17.6	17.2	18.1	MT	9.6	6.6	3.1	23.2	22.6	
1982	2,156	1,200	956	19.3	18.9	19.8	NE	17.6	9.4	8.1	22.1	21.1	
1983	2,135	1,184	951	20.7	20.2	21.3	NV	7.9	4.2	3.7	26.0	25.5	
1984	2,142	1,187	956	21.9	21.5	22.6	NH	10.3	6.2	4.1	21.4	21.4	
1985	2,174	1,209	966	23.6	23.2	24.2	NJ	74.5	44.0	30.5	28.9	28.8	
1986	2,210	1,239	971	25.2	24.7	25.8	NM	14.8	8.1	6.8	24.0	23.2	
1987, U.S.	2,233	1,261	973	28.7	28.1	27.4	NY	176.7	82.9	94.3	32.6	31.6	
AL	37.0	19.3	17.7	23.5	23.5	23.5	NC	57.9	33.9	24.0	23.8	23.7	
AK	5.3	3.0	2.3	44.0	43.7	44.1	ND	7.9	5.0	2.9	21.8	21.7	
AZ	30.0	22.8	7.2	26.3	26.1	26.8	OH	96.0	53.1	42.9	26.3	25.9	
AR	24.1	11.8	12.3	20.0	19.4	20.5	OK	38.6	18.8	17.8	22.1	21.4	
CA	189.7	123.2	66.5	31.2	30.7	32.1	OR	25.8	15.8	10.0	26.6	26.4	
CO	30.7	16.6	14.1	27.4	26.8	28.0	PA	101.2	48.0	53.2	27.4	27.4	
CT	33.6	20.1	13.7	26.9	26.5	26.6	RI	6.7	4.4	4.3	31.1	30.8	
DE	5.8	2.8	3.0	27.5	26.7	28.2	SC	34.4	22.2	12.2	23.0	22.4	
DC	5.6	3.5	2.2	33.8	33.8	33.8	SD	6.0	5.6	2.4	18.9	18.7	
FL	93.6	52.1	41.5	23.6	24.1	23.1	TN	41.4	25.8	15.6	22.7	22.7	
GA	57.4	35.5	22.0	24.2	23.8	24.6	TX	183.2	98.1	85.2	25.3	24.6	
HI	8.4	4.5	3.9	26.8	26.8	26.8	UT	17.3	10.8	6.5	23.4	22.7	
ID	10.2	5.4	4.8	21.5	20.8	22.3	VT	6.4	2.9	3.5	21.6	21.8	
IL	100.3	66.6	33.7	28.4	27.3	30.6	VA	59.5	34.2	25.3	25.6	24.6	
IN	51.7	26.5	25.2	25.7	25.1	26.3	WA	36.8	20.3	16.4	27.5	27.1	
IA	30.4	14.4	16.0	22.8	21.7	23.4	WV	22.9	12.7	10.2	21.4	21.3	
KS	27.0	15.2	11.8	23.6	23.4	23.6	WI	46.2	26.6	19.4	26.2	27.7	
KY	34.5	23.0	11.5	22.6	22.1	23.7	WY	7.6	5.5	2.0	27.7	27.5	

<sup>1</sup> Full-time equivalent.

Source: National Education Association, Washington, DC. *Estimate of School Statistics, 1986-87* (Copyright © 1987 by the National Education Association. All rights reserved.)

### No. 212. AVERAGE STARTING SALARIES OF PUBLIC SCHOOL TEACHERS COMPARED WITH SALARIES PRIVATE INDUSTRY, BY POSITION: 1975 TO 1987

[Except as noted, salaries represent what corporations plan to offer graduates graduating in the year shown with bachelors degree. Based on a survey of approximately 200 companies]

POSITION	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987
Teachers <sup>1</sup>	\$8,233	\$10,136	\$10,764	\$11,758	\$12,789	\$13,360	\$14,500	\$15,400	\$16,000		
College graduates:											
Engineering	12,744	18,286	20,136	22,368	25,426	25,600	26,844	26,680	26,512	\$26	
Accounting	11,880	14,746	15,720	16,980	18,648	19,476	20,172	20,628	21,216	22	
Sales-marketing	10,344	13,082	15,936	17,220	18,372	18,848	19,620	20,616	20,688	26	
Business administration	9,768	13,484	14,100	16,200	17,448	18,568	19,416	19,696	21,324	21	
Liberal arts	9,312	12,744	13,296	15,444	15,824	16,264	19,344	18,628	21,080	20	
Chemistry	11,804	15,816	17,124	19,536	21,492	22,344	24,182	24,216	24,264	27	
Mathematics-statistics	10,860	15,000	17,804	18,600	21,516	21,896	22,416	22,704	23,976	26	
Economics-finance	10,212	13,088	14,472	16,864	17,532	19,740	20,464	20,964	22,284	21	
Computer science <sup>2</sup>	(NA)	15,432	17,712	20,364	22,260	23,208	24,864	24,168	26,172	26	
Other fields	10,464	14,556	17,544	20,028	22,716	21,156	23,136	21,972	26,724	21	
Index (1975 = 100)											
Teachers <sup>1</sup>	100	123	131	143	155	162	178	187	200		
College graduates:											
Engineering	100	144	158	176	200	202	211	211	224		
Accounting	100	124	132	143	157	164	170	174	179		
Sales-marketing	100	127	154	166	178	180	190	198	200		
Business administration	100	138	144	166	179	180	199	204	218		
Liberal arts	100	137	143	168	171	198	208	202	230		
Chemistry	100	133	144	164	181	188	203	203	204		
Mathematics-statistics	100	137	160	169	196	198	204	207	219		
Economics-finance	100	126	142	166	172	183	201	206	218		
Computer science <sup>2</sup>	(NA)	108	125	144	157	164	178	171	185		
Other fields	100	139	166	181	217	202	221	210	266		

NA Not available. <sup>1</sup> Estimate. Minimum mean salary. Source: National Education Association, Washington, DC, *Estimate of School Statistics, annual* (copyright). <sup>2</sup> Computer science index (1975 = 100).

Source: Except as noted, Northwestern University, Evanston, IL, *The Northwestern Endicott-Lindquist Report* (1987)

NO. 213. AVERAGE SALARY AND WAGES PAID IN PUBLIC SCHOOL SYSTEMS, BY SELECTED POSITIONS: 1975 TO 1987

[In dollars. For school year ending in year shown. Data reported by a stratified sample of school systems enrolling 300 or more pupils. Data represent unweighted means of average salaries paid school personnel reported by each school system]

POSITION	1975	1980	1981	1982	1983	1984	1985	1986	1987
ANNUAL SALARY									
Central office administrators:									
Superintendent (contract salary).....	30,338	39,344	43,001	48,864	50,260	52,493	56,954	60,707	64,580
Deputy/assoc. superintendent .....	30,074	37,440	41,117	44,777	47,404	48,507	52,877	57,190	60,222
Assistant superintendent.....	28,460	33,452	36,633	39,799	42,194	43,983	48,003	51,209	53,656
Administrators for:									
Finance and business.....	21,850	27,147	30,407	32,967	34,967	36,909	40,344	43,200	45,259
Instructional services .....	22,608	29,790	33,193	35,973	38,018	39,580	43,452	46,110	48,810
Public relations/information .....	21,470	24,021	26,514	28,506	30,720	32,203	35,287	37,329	38,925
Staff personnel services.....	21,470	29,623	32,552	35,192	38,201	39,857	44,182	46,269	48,627
Subject area supervisors.....	18,601	23,974	26,640	29,083	30,905	31,537	34,422	36,797	38,763
School building administrators:									
Principals:									
Elementary .....	19,081	25,165	27,923	30,242	32,451	34,033	36,452	39,024	41,536
Junior high/middle .....	21,138	27,625	30,401	32,881	34,996	36,779	39,650	42,365	44,861
Senior high.....	22,694	29,207	32,231	34,776	37,602	39,334	42,094	44,966	47,896
Assistant principals:									
Elementary .....	15,966	20,708	23,118	25,331	27,419	28,087	30,496	32,895	34,347
Junior high/middle .....	17,868	23,507	26,045	28,176	29,746	31,257	33,793	36,094	37,958
Senior high.....	18,939	24,816	27,285	29,566	31,252	32,655	35,491	37,616	39,758
Classroom teachers.....	11,507	15,913	17,678	19,275	20,809	22,039	23,587	25,276	26,731
Auxiliary professional personnel:									
Counselors .....	14,479	18,847	21,003	22,935	24,547	25,759	27,593	29,388	31,132
Librarians.....	12,546	18,764	18,689	20,496	22,040	23,173	24,961	26,668	28,390
School nurses.....	10,673	13,788	15,355	16,704	17,630	18,310	19,944	21,339	22,219
Secretarial/clerical personnel.									
Central office:									
Secretaries/stenographers.....	7,318	10,331	11,566	12,718	13,639	14,368	15,343	16,363	17,182
Accounting/payroll clerks.....	7,588	10,479	11,868	12,720	13,676	14,522	15,421	16,604	17,273
Clerk-typists.....	6,089	8,359	9,350	10,314	10,930	11,561	12,481	13,209	13,729
School building level:									
Secretaries/stenographers.....	6,046	8,348	9,357	10,301	11,004	11,613	12,504	13,233	13,947
Library clerks .....	5,052	6,779	7,573	8,272	8,467	8,969	9,911	10,412	10,641
HOURLY WAGE RATE									
Other support personnel.									
Teacher aides:									
Instructional.....	2.91	4.06	4.48	4.68	5.26	5.46	5.69	6.20	6.43
Noninstructional.....	2.81	3.69	4.29	4.70	5.01	5.22	5.60	5.91	6.14
Custodians .....	3.54	4.88	5.35	5.95	6.23	6.49	6.90	7.28	7.51
Cafeteria workers.....	2.61	3.78	4.17	4.57	4.87	5.09	5.42	5.76	5.92
Bus drivers.....	3.75	5.21	5.75	6.26	6.56	6.69	7.27	7.72	8.06

Source: Educational Research Service, Arlington, VA, *National Survey of Salaries and Wages in Public Schools*, annual, vols. 2 and 3. (All rights reserved. Copyright.)

NO. 214. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—EMPLOYEES AND PAYROLLS OF STATE AND LOCAL GOVERNMENTS: 1980 TO 1985

[For October. Data are estimates, subject to sampling variability. For details, see source. See also Appendix III]

YEAR AND FUNCTION	EMPLOYEES (1,000)				PAYROLL					
	Total	Local government	Full-time		Total (mil. dol.)	Local government (mil. dol.)	Full-time employees			
			Total	Local government			Total (mil. dol.)	Local government (mil. dol.)	Average earnings (dol.)	
									Total	Local government
1980: Total, public schools.....	4,868	4,848	3,798	3,782	5,522	5,496	5,181	5,157	1,364	1,384
Percent of all employees.....	36.6	50.7	36.8	50.8	37.5	52.6	37.6	52.3	102.0	103.1
Instructional employees.....	3,164	3,149	2,764	2,751	4,324	4,303	4,182	4,163	1,513	1,513
Other .....	1,704	1,699	1,035	1,030	1,198	1,192	999	994	965	985
1984: Total, public schools.....	4,970	4,947	3,828	3,810	7,275	7,239	6,805	6,771	1,778	1,777
Percent of all employees.....	36.8	51.6	36.9	51.0	36.8	51.9	36.8	51.6	100.0	101.0
Instructional employees.....	3,217	3,202	2,762	2,749	5,646	5,620	5,443	5,418	1,971	1,971
Other .....	1,753	1,745	1,066	1,061	1,628	1,619	1,362	1,354	1,277	1,276
1989: Total, public schools.....	4,994	4,969	3,911	3,892	7,839	7,800	7,340	7,303	1,877	1,876
Percent of all employees.....	36.5	51.3	37.0	51.4	36.7	51.9	36.8	51.7	99.6	100.5
Instructional employees.....	3,306	3,291	2,832	2,819	6,156	6,129	5,929	5,901	2,093	2,093
Other .....	1,688	1,678	1,079	1,073	1,681	1,671	1,411	1,402	1,308	1,306

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

No. 215. PUBLIC ELEMENTARY AND SECONDARY SCHOOL PRICE INDEXES: 1975 TO 1986

[1975= 100. For years ending June 30. Reflects prices paid by public elementary-secondary schools. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change <sup>1</sup>	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT						
			Total	Pro-fes-sional salaries	Non-pro-fes-sional salaries	Fringe bene-fits	Total	Serv-ices	Sup-plies and mate-rials	Equip-ment replace-ment	Li-brary mate-rials and text-books	Utili-ties	Fixed costs
1975.....	100	(x)	100	100	100	100	100	100	100	100	100	100	100
1976.....	109	8.6	109	108	107	118	109	107	108	110	113	111	113
1977.....	116	8.8	116	113	114	137	117	114	113	116	120	123	128
1978.....	124	6.8	123	120	122	149	127	121	119	124	134	135	142
1979.....	135	9.2	135	126	131	184	139	126	131	135	143	156	160
1980.....	148	9.0	145	137	140	209	158	139	148	148	153	204	179
1981.....	168	12.2	162	152	155	243	180	154	165	164	162	258	200
1982.....	162	9.7	179	188	170	280	194	170	174	178	171	285	218
1983.....	194	6.6	192	179	190	307	199	180	172	188	188	279	231
1984.....	205	5.9	205	189	188	342	208	191	176	192	199	274	248
1985.....	220	7.1	222	203	200	387	212	202	178	197	210	289	261
1986.....	232	5.6	237	217	212	417	214	214	176	202	221	246	274

X Not applicable. <sup>1</sup> Change from immediate prior year shown.  
Source: 1975-1982, U.S. National Institute of Education, *Inflation Measures for Schools and Colleges, 1983*; beginning 1983, Research Associates of Washington, Washington, DC, *School Price Index, annual*.

No. 216. FINANCES OF PUBLIC SCHOOL SYSTEMS, 1980 TO 1985, AND BY ENROLLMENT-SIZE GROUP, 1985

[In millions of dollars, except percent. Data are estimates subject to sampling variability. For details, see source. Minus sign (-) indicates decrease. See also Appendix III]

ITEM	1985, all school systems	1984, all school systems	1985, BY ENROLLMENT-SIZE GROUP						
			All school systems		50,000 or more	25,000 to 49,999	15,000 to 24,999	7,500 to 14,999	Under 7,500
			Total	Percent change <sup>1</sup>					
General revenue <sup>2</sup> .....	101,970	133,460	145,375	8.9	26,589	12,815	12,377	22,386	71,439
Intergovernmental.....	56,279	70,985	76,218	10.2	15,033	7,370	7,055	12,386	36,372
From Federal government.....	1,645	1,291	1,373	6.4	249	104	102	224	986
From States.....	53,068	67,910	74,785	10.1	14,575	7,075	6,790	11,947	34,297
Federal aid distributed by									
State governments.....	7,459	7,384	7,546	2.2	1,799	686	608	1,084	3,371
From local governments.....	1,547	1,794	2,080	14.8	209	191	163	215	1,282
From own sources.....	45,692	62,454	87,157	7.5	11,535	5,245	5,322	10,008	35,047
Taxes.....	29,212	41,633	44,750	7.5	5,753	3,490	3,353	6,582	25,571
Property.....	26,069	40,340	43,539	7.9	5,462	3,382	3,286	6,406	25,004
Contribution from parent government.....	8,909	10,868	11,404	6.7	4,371	720	633	1,543	3,939
Charges and miscellaneous.....	7,670	10,133	11,003	8.6	1,411	1,035	1,136	1,883	5,538
Current charges.....	4,417	6,002	6,181	3.0	745	612	700	1,103	3,022
School lunch sales.....	2,003	2,497	2,804	4.3	341	240	230	440	1,364
Interest earnings.....	1,704	2,236	2,691	20.4	373	223	235	419	1,440
Other.....	1,489	1,896	2,132	12.5	293	200	201	361	1,077
General expenditure <sup>3</sup> .....	100,532	130,375	142,251	9.1	25,951	12,474	12,110	21,872	69,844
Intergovernmental.....	470	424	381	- 10.1	30	4	5	46	296
Direct.....	100,063	129,952	141,871	9.2	25,921	12,470	12,108	21,824	69,580
Current operation.....	90,589	120,228	130,686	8.7	24,303	11,382	11,095	20,078	63,797
Salaries and wages.....	61,944	81,334	88,512	8.8	16,827	8,040	7,682	13,631	42,132
Capital outlay.....	7,517	7,281	8,684	19.3	1,302	827	758	1,320	4,446
Construction.....	5,228	4,207	5,181	23.2	777	526	460	611	2,597
Interest on debt.....	1,957	2,442	2,520	3.2	316	252	223	425	1,306
Direct expenditure <sup>3</sup> by level of instruction:									
Elementary and secondary.....	92,113	119,927	131,306	9.5	24,704	11,104	10,492	19,780	65,239
Higher education.....	5,993	7,583	8,043	6.1	901	1,115	1,390	1,619	3,016
Debt outstanding <sup>4</sup> .....	36,965	36,140	36,758	1.8	4,713	3,781	3,270	8,198	16,896
Long-term.....	35,406	34,406	34,994	1.7	4,702	3,620	3,199	5,777	17,897
Short-term.....	1,280	1,732	1,806	4.2	11	162	70	392	1,169
Long-term debt issued.....	2,961	3,169	8,054	69.8	993	604	586	1,136	2,536
Long-term debt retired.....	2,997	3,721	5,536	48.8	826	741	614	985	2,370
Cash, security holdings, excl. employee-retirement <sup>5</sup> .....	18,733	22,749	27,902	14.3	3,974	2,387	2,370	4,286	14,886

<sup>1</sup> Change from 1984. <sup>2</sup> Excludes interschool system transactions. <sup>3</sup> For current operation and capital outlay. <sup>4</sup> As of end of fiscal year.  
Source: U.S. Bureau of the Census, *Finances of Public School Systems*, series GF, No. 10 annual.

17. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ESTIMATED FINANCES, 1970 TO 1987, AND BY STATE, 1987

[In millions of dollars, except as noted. For school years ending in June of year shown]

CITY AND STATE	RECEIPTS						EXPENDITURES					
	Total	Revenue receipts				Non-revenue receipts <sup>1</sup>	Total <sup>2</sup>	Per capita <sup>3</sup> (dol.)	Current expenditures			Capital outlay
		Total	Source						Elem. and secondary day schools	Average per pupil in ADA <sup>4</sup>		
			Federal	State	Local					Amount (dol.)	Rank	
Alameda	41,621	36,192	2,787	15,628	19,797	3,429	39,091	194	32,683	773	(x)	4,158
Alameda	66,319	63,047	5,066	27,472	30,488	3,273	62,340	292	53,333	1,285	(x)	5,409
Alameda	101,724	97,635	9,020	47,929	40,686	4,080	96,105	426	85,661	2,230	(x)	6,504
Alameda	117,776	113,999	8,419	54,573	51,007	3,777	113,005	492	102,048	2,753	(x)	6,404
Alameda	125,432	120,759	8,623	57,558	54,579	4,673	119,158	514	108,773	2,960	(x)	6,131
Alameda	133,334	128,929	8,602	61,604	58,524	4,405	126,712	541	116,082	3,181	(x)	6,281
Alameda	146,608	141,010	9,283	69,139	62,588	5,586	136,736	587	126,857	3,475	(x)	7,296
Alameda	157,620	151,333	9,787	75,332	66,214	6,287	150,915	632	137,605	3,755	(x)	8,555
Total	197,586	190,908	9,999	80,433	70,517	6,861	190,479	980	146,244	3,270	(x)	9,341
Alameda	1,934	1,823	236	1,286	319	110	1,994	492	1,802	2,810	47	161
Alameda	999	907	48	702	159	82	988	1,809	847	8,842	1	60
Alameda	1,515	1,515	126	985	402	-	1,594	480	1,420	2,784	45	106
Alameda	1,295	1,249	115	793	340	46	1,286	543	1,137	2,795	44	117
Alameda	17,892	17,769	1,306	12,172	4,292	123	17,287	641	16,130	3,751	26	626
Alameda	2,820	2,545	111	996	1,437	275	2,342	717	2,123	4,129	17	140
Alameda	2,646	2,647	115	1,069	1,463	(Z)	2,647	630	2,493	5,552	5	94
Alameda	459	451	36	310	105	8	440	695	413	4,776	7	12
Alameda	410	410	26	-	384	-	432	880	406	5,349	(x)	11
Alameda	6,968	6,682	492	3,557	2,643	274	6,701	574	6,037	4,055	19	611
Alameda	3,363	3,355	267	1,896	1,193	8	3,485	573	3,153	3,167	39	283
Alameda	707	707	58	648	1	-	705	604	683	4,372	13	22
Alameda	598	583	40	342	190	35	584	583	513	2,555	46	59
Alameda	7,653	7,416	550	2,986	3,881	238	6,758	585	6,270	3,980	20	216
Alameda	3,701	3,616	135	2,129	1,352	85	3,335	608	2,976	3,379	34	291
Alameda	1,798	1,788	96	762	907	30	1,788	627	1,679	3,740	27	93
Alameda	1,713	1,691	83	733	875	22	1,751	712	1,541	4,137	16	132
Alameda	2,002	1,947	213	1,352	382	145	1,983	526	1,790	3,107	40	123
Alameda	2,797	2,620	287	1,394	940	177	2,583	576	2,314	3,237	36	183
Alameda	780	755	54	388	313	25	780	665	718	3,650	28	34
Alameda	3,184	3,164	188	1,244	1,753	20	3,150	708	2,880	4,659	10	212
Alameda	3,845	3,841	215	1,723	1,903	4	3,956	678	3,699	4,856	6	181
Alameda	6,620	6,570	228	2,227	4,116	50	6,581	717	6,101	3,954	21	185
Alameda	3,191	3,091	127	1,777	1,188	100	3,204	780	2,825	4,241	14	257
Alameda	1,345	1,275	210	700	365	70	1,333	496	1,200	2,534	49	45
Alameda	2,850	2,766	160	1,111	1,494	85	2,653	523	2,406	3,345	35	169
Alameda	693	679	53	334	292	14	632	772	567	4,070	18	48
Alameda	932	910	49	249	612	22	922	577	894	3,437	32	38
Alameda	573	566	26	239	302	7	616	640	538	3,768	25	63
Alameda	639	601	21	38	542	38	543	529	503	3,386	33	30
Alameda	6,968	6,850	266	2,937	3,645	116	6,526	857	6,302	6,120	4	71
Alameda	1,019	984	103	764	116	35	1,163	786	903	3,537	30	201
Alameda	15,464	15,103	684	6,805	7,813	361	15,275	859	14,563	6,299	2	410
Alameda	3,576	3,557	235	2,264	1,056	16	3,576	565	3,521	3,473	31	55
Alameda	404	396	32	214	153	6	397	565	359	3,209	37	27
Alameda	7,435	6,880	320	3,100	3,240	775	6,751	626	6,249	3,769	24	358
Alameda	1,775	1,685	90	1,100	475	110	1,769	535	1,490	2,701	46	226
Alameda	1,846	1,837	103	510	1,224	9	1,859	699	1,780	4,236	15	60
Alameda	9,394	8,290	355	3,789	4,146	1,105	8,108	682	7,299	4,752	8	291
Alameda	576	576	24	223	328	-	576	591	565	4,574	11	5
Alameda	2,054	1,936	183	1,133	820	118	1,935	573	1,720	3,005	41	123
Alameda	432	417	45	112	260	15	417	569	378	3,190	36	26
Alameda	2,418	2,320	241	1,169	910	96	2,357	491	2,190	2,842	43	79
Alameda	13,922	12,480	631	5,717	5,932	1,442	12,788	786	10,672	3,584	29	1,657
Alameda	1,237	1,154	66	640	448	83	1,166	712	961	2,455	50	160
Alameda	379	379	24	138	217	-	380	721	370	4,459	12	4
Alameda	3,932	3,870	211	1,314	2,345	62	3,657	634	3,486	3,809	22	102
Alameda	3,172	3,126	180	2,317	631	44	3,490	782	2,599	3,809	23	585
Alameda	1,236	1,210	106	760	322	28	1,075	580	971	2,959	42	52
Alameda	3,545	3,463	162	1,190	2,092	82	3,432	717	3,194	4,701	9	132
Alameda	764	723	19	297	407	61	730	1,440	598	6,229	3	106

0 represents zero. X Not applicable. Z Less than \$500,000. <sup>1</sup> Amount received by local education agencies from sale of bonds and real property and equipment, loans and proceeds from insurance adjustments. <sup>2</sup> Includes interest on debt and other current expenditures not shown separately. <sup>3</sup> Based on Bureau of the Census estimated resident population, as of July 1, the previous year. <sup>4</sup> Average daily attendance. Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright), and unpublished data.



No. 216. SCHOOL LIBRARY MEDIA CENTERS (LMC)—EXPENDITURES, COLLECTION SIZE AND MICROCOMPUTERS, BY SELECTED CHARACTERISTIC: 1986

[For school year ending in June. Based on sample survey of approximately 33,000 school library subscribers to *The School Library Journal*. Except as indicated, figures are mediana. For definition of median, see Guide to Tabular Presentation. For composition of regions, see inside front cover]

CHARACTERISTIC	PER PUPIL EXPENDITURES (dol.)			COLLECTION SIZE				MICRO- COMPUTERS <sup>1</sup>	
	Books	Peri- odicals	Audio- visual material	Books		Audio-visuals		Total	In LMC's
				Total	Per pupil	Total	Per pupil		
Level of school:									
Elementary.....	3.65	.87	2.07	8,000	19	1,080	2.40	12.8	3.6
Junior high.....	4.81	1.47	1.98	10,329	15	885	1.57	26.2	4.0
Senior high.....	5.41	2.04	1.75	12,557	15	1,000	1.12	34.3	3.4
Other.....	4.21	1.27	1.71	10,000	17	600	1.47	21.6	3.7
School enrollment:									
Less than 300 students.....	6.77	2.83	2.09	6,785	28	409	1.96	13.0	2.8
300 to 499 students.....	4.84	1.40	2.54	8,000	20	598	2.29	14.1	3.5
500 to 699 students.....	4.16	1.29	1.82	10,000	17	1,000	1.77	20.2	3.8
700 to 999 students.....	4.07	1.12	1.92	10,670	13	1,090	1.20	25.6	4.0
1,000 to 1,999 students.....	3.88	1.16	1.59	15,000	12	1,536	1.16	43.7	3.1
Over 2,000 students.....	4.57	1.04	1.63	23,000	9	2,150	.87	51.3	6.7
Region of school:									
Northeast.....	5.73	1.60	2.37	10,500	19	1,086	1.94	25.2	2.9
Midwest.....	5.07	1.78	2.34	10,000	19	867	1.61	22.3	4.8
South.....	3.87	.95	1.65	9,580	14	1,162	1.75	20.3	3.2
West.....	4.13	1.14	1.94	9,300	15	600	.85	27.6	3.5
Schools:									
With district media coordinator.....	(NA)	(NA)	(NA)	10,000	15	1,162	1.79	24.0	3.6
With no district media coordinator.....	(NA)	(NA)	(NA)	9,700	16	823	1.46	21.8	3.7

NA Not available. <sup>1</sup> Mean number of micros in schools with micros. For definition of mean, see Guide to Tabular Presentation.

Source: R.R. Bowker, New York, NY, "Expenditures for Resources in School Library Media Centers FY '85-'86," by Marilyn L. Miller and Barbara B. Moran, *School Library Journal*, June/July, 1987. (Copyright.)

No. 219. INSTRUCTIONAL USE OF COMPUTERS IN ELEMENTARY AND SECONDARY SCHOOLS: 1985

[Includes microcomputers and terminals used by students at school for any school subject or activity. Based on stratified national probability sample of 2,331 public, private, and parochial schools between January and June 1985]

ITEM	Unit	Total	ELEMENTARY: KINDERGARTEN THROUGH—			SECONDARY		
			Grade six	Grade eight	Grade twelve	Middle and Junior high	Combina- tion Junior- Senior high	High school
ALL SCHOOLS								
Computers used for instruction.....	1,000.....	1,034	303	109	49	182	64	327
Schools using computers with students.....	Percent.....	88	85	61	72	95	90	97
Schools with 15 or more computers.....	Percent.....	24	12	9	11	47	45	68
SCHOOLS USING COMPUTERS FOR INSTRUCTION								
Year <sup>1</sup> first computer obtained.....	Year.....	1982	1983	1983	1983	1982	1982	1980
Median number of computers.....	Number.....	8	6	5	6	14	14	21
Students per computer <sup>1</sup> .....	Number.....	42	60	41	26	41	25	31
Percent of schools with computers in—								
Classrooms.....	Percent.....	75	76	67	81	70	61	82
Laboratory.....	Percent.....	44	30	43	46	62	52	66
Library.....	Percent.....	28	31	17	14	32	32	33
Percent of all instructional computers in—								
Classroom.....	Percent.....	37	40	38	47	27	37	36
Laboratory.....	Percent.....	49	40	46	44	62	53	51
Library.....	Percent.....	8	13	9	3	6	5	4
Percent of computer classrooms with 3 or more computers.....	Percent.....	20	10	13	20	27	39	44
Median number of computers in—								
Classroom.....	Number.....	1	1	1	1	2	2	3
Laboratory.....	Number.....	10	8	7	7	14	11	13
Library.....	Number.....	2	2	4	1	2	2	2
Percent <sup>1</sup> students using computers in average week.....	Percent.....	26	30	42	26	25	22	21
Minutes <sup>1</sup> of use per student per week.....	Number.....	50	35	40	60	65	60	106
Percent <sup>2</sup> instructional time devoted to—								
Drill and practice.....	Percent.....	32	58	49	39	30	25	16
Programming.....	Percent.....	33	12	19	31	32	40	49
Word processing.....	Percent.....	15	9	6	16	15	20	29

<sup>1</sup> Median. For definition, see Guide to Tabular Presentation. <sup>2</sup> Mean. For definition, see Guide to Tabular Presentation.  
Source: Center for Social Organization of Schools, Johns Hopkins University, Baltimore, MD, *Instructional Uses of School Computers: Reports from the 1985 National Survey, 1986*, and unpublished data.



### No. 220. MICROCOMPUTERS FOR STUDENT INSTRUCTION IN ELEMENTARY AND SECONDARY SCHOOLS: 1981 TO 1986

[As of fall for public schools; as of mid-winter of the previous year for private schools. Public school data based on surveys of every school district and all public schools. Private school data based on surveys of all Catholic and private schools. For details, see source.]

YEAR	PUBLIC SCHOOLS										PRIVATE SCHOOLS			
	Number of schools (1,000)				Percent with micro				Number of micro <sup>2</sup> (1,000)	Students per micro <sup>2</sup>	Number of schools (1,000)	Percent with micro	Number of micro <sup>2</sup> (1,000)	Students per micro <sup>2</sup>
	Total <sup>1</sup>	Elementary	Junior	Senior	Total	Elementary	Junior	Senior						
1981	84.2	53.3	10.1	15.6	18.2	11.1	25.6	42.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982	82.4	51.9	9.9	15.3	30.0	20.2	39.8	57.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1983	81.5	51.3	9.8	15.2	68.4	62.4	60.5	66.1	324.4	92.3	22.6	23.8	(NA)	(NA)
1984	81.1	51.0	9.8	15.2	86.1	82.2	83.1	94.8	689.8	63.5	24.4	83.0	62.2	56.2
1985	80.8	50.8	9.7	15.1	92.3	91.0	87.3	97.4	842.6	45.5	23.4	70.3	101.2	41.6
1986	80.5	50.7	9.7	15.1	95.6	94.9	96.5	96.7	1,061.9	38.5	22.7	77.1	129.2	33.7
1986: Number of micro <sup>2</sup>	1,061.9	452.6	185.8	304.2	(X)	(X)	(X)	(X)	(X)	(X)	129.2	(X)	(X)	(X)
Students per micro <sup>2</sup>	38.5	43.7	32.9	31.1	(X)	(X)	(X)	(X)	(X)	(X)	33.7	(X)	(X)	(X)

NA Not available. X Not applicable. <sup>1</sup> Includes other schools, not shown separately. <sup>2</sup> Includes estimates for schools not reporting number of micro. <sup>3</sup> For schools reporting number of micro.

Source: Market Data Retrieval, Shelton, CT, *Microcomputers in Schools, 1986-87*, (copyright), and unpublished data.

### No. 221. PUBLIC ELEMENTARY AND SECONDARY STUDENTS IN EDUCATIONAL PROGRAMS FOR THE HANDICAPPED, BY TYPE OF HANDICAP: 1977 TO 1986

[For school year ending in year shown. For persons under 22 years old. Funds appropriated are for three grant programs based on the counts of handicapped children: Education of handicapped children in State operated or supported schools; handicapped State grants; and handicapped pre-school incentive grants.]

ITEM	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Federal funds appropriated (mil. dol.)	377.8	700.5	983.9	1,044.5	1,055.8	1,101.3	1,169.4	1,241.7	1,314.3	1,335.7
All conditions (1,000)	3,889	3,781	3,889	4,980	4,142	4,198	4,298	4,298	4,316	4,317
PERCENT DISTRIBUTION										
Learning disabled	21.5	25.7	28.1	31.9	35.3	38.6	40.9	42.0	42.4	43.1
Speech impaired	35.3	32.6	31.2	28.6	26.2	27.0	26.6	26.2	26.1	26.1
Mentally retarded	26.0	24.9	23.2	21.7	20.0	18.7	17.8	16.9	16.1	15.3
Emotionally disturbed	7.6	7.7	7.7	8.2	8.4	8.1	8.3	8.4	8.6	8.7
Hard of hearing and deaf	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.5
Orthopedically handicapped	2.3	2.3	1.9	1.6	1.4	1.4	1.3	1.3	1.3	1.3
Other health impaired	3.8	3.6	2.7	2.6	2.4	1.9	1.2	1.2	1.6	1.3
Visually handicapped	1.0	.9	.8	.8	.8	.7	.7	.7	.7	.6
Multihandicapped	(NA)	(NA)	1.3	1.5	1.6	1.7	1.5	1.5	1.6	2.0
Deaf-blind	(NA)	(NA)	.1	1	1	.1	.1	1	1	(Z)

NA Not available. Z Less than .05 percent.

Source: U.S. Dept. of Education, Office of Special Education Programs, *Annual Report to Congress*.

### No. 222. PUBLIC ELEMENTARY AND SECONDARY STUDENTS IN EDUCATIONAL PROGRAMS FOR THE HANDICAPPED, BY TYPE OF HANDICAP AND EDUCATIONAL ENVIRONMENT: 1985

[In thousands, except percent. For persons 3 through 21. See headnote, table 221.]

CONDITION	Total served	NUMBER SERVED IN—				Total	PERCENT SERVED IN—			
		Regular classes	Sepe- rate classes	Sepe- rate schools	Other		Regu- lar classes	Sepe- rate classes	Sepe- rate schools	Other
All conditions	4,302.5	2,844.9	1,020.8	306.1	28.6	100.0	66.4	23.7	7.2	7
Learning disabled	1,829.0	1,406.3	382.1	39.1	1.5	100.0	76.9	20.9	2.1	1
Speech impaired	1,126.2	1,028.5	85.0	38.5	5.2	100.0	91.1	4.9	3.5	.5
Mentally retarded	881.3	223.9	361.1	93.6	2.6	100.0	32.9	53.0	13.7	.4
Emotionally disturbed	373.3	172.0	124.1	71.3	5.9	100.0	46.1	33.3	19.1	1.5
Hard of hearing and deaf	69.8	31.3	21.3	16.8	.4	100.0	44.9	30.5	24.1	.5
Multihandicapped	66.6	11.3	30.2	25.8	1.1	100.0	16.5	44.1	37.7	1.6
Orthopedically handicapped	61.4	20.0	17.3	10.3	3.6	100.0	38.9	33.6	20.1	7.4
Other health impaired	72.8	35.7	23.9	5.3	7.9	100.0	49.0	32.8	7.3	10.9
Visually handicapped	28.0	17.5	5.2	5.2	0	100.0	62.3	18.7	18.4	.6
Deaf-blind	2.2	.5	.5	1.2	(Z)	100.0	20.4	23.7	54.2	1.7

Z Fewer than 50.

Source: U.S. Dept. of Education, Office of Special Programs, *Annual Report to Congress*.

No. 223. CATHOLIC ELEMENTARY AND SECONDARY SCHOOLS: 1960 TO 1986

[As of October 1. Regular sessions only. See also *Historical Statistics, Colonial Times to 1970*, series H 535-544]

ITEM	Unit	1960	1960	1970	1975	1980	1982	1980	1984	1980	1986
Elementary schools .....	Number ....	10,501	10,679	9,382	8,340	8,043	7,950	7,937	7,891	7,805	7,709
Pupils enrolled .....	1,000 .....	4,373	4,492	3,359	2,525	2,269	2,225	2,180	2,120	2,057	2,007
Teachers, total .....	1,000 .....	108	120	112	99	97	97	99	100	97	94
Religious .....	1,000 .....	79	76	52	35	25	22	21	20	18	17
Lay .....	1,000 .....	29	44	80	64	72	75	76	80	79	77
Secondary schools .....	Number ....	2,392	2,413	1,981	1,653	1,516	1,482	1,464	1,449	1,430	1,411
Pupils enrolled .....	1,000 .....	880	1,082	1,008	880	837	801	786	782	762	728
Teachers, total .....	1,000 .....	44	57	54	50	49	49	48	50	50	46
Religious .....	1,000 .....	33	38	28	20	14	13	12	12	11	10
Lay .....	1,000 .....	11	19	26	30	35	36	36	36	39	36

Source: National Catholic Educational Association, Washington, DC, *A Statistical Report on Catholic Elementary and Secondary Schools for the Years 1967-68 to 1969-70*, and *U.S. Catholic Schools, 1973-74*, and National Catholic Educational Association/Genley's, *Catholic Schools in America*, annual. (Copyright.)

No. 224. CHARACTERISTICS OF PRIVATE ELEMENTARY AND SECONDARY SCHOOLS AND TEACHERS, BY LEVEL AND AFFILIATION OF SCHOOL: 1986

[For school year ending in year shown. Based on survey and subject to sampling error; for details, see source. For similar data on public school teachers, see table 210]

ITEM	Total	LEVEL OF SCHOOL				RELIGIOUS AFFILIATION		
		Elementary	Secondary	Combined	Other	Catholic	Other	None
Number of schools .....	25,616	15,303	2,438	4,949	2,880	9,911	10,771	4,934
PERCENT DISTRIBUTION								
Years in operation:								
10 years or less .....	25.5	20.2	9.9	41.4	39.2	1.7	45.2	30.2
25 years or more .....	50.3	63.3	62.6	21.9	20.0	84.1	29.3	28.2
Minority enrollment:								
Less than 5 percent .....	38.9	45.1	27.8	37.1	18.7	45.8	40.5	21.8
5 to 14 percent .....	22.4	19.8	35.1	23.4	22.9	20.4	20.9	29.4
15 to 24 percent .....	10.6	7.7	14.4	11.6	21.1	8.9	12.7	9.8
25 to 49 percent .....	10.0	7.8	11.8	5.1	28.6	7.2	8.4	19.3
50 to 69 percent .....	9.9	9.2	4.4	18.2	4.6	6.3	12.1	12.7
90 percent or more .....	8.1	10.4	5.4	4.6	4.1	11.5	5.4	7.1
Annual tuition:								
Less than \$500 .....	13.0	18.8	4.8	5.4	1.1	25.6	6.3	1.1
\$500 to \$1,000 .....	27.9	35.1	4.4	29.6	5.0	37.1	30.8	1.0
\$1,001 to \$1,500 .....	26.4	29.1	34.4	22.7	9.3	25.7	30.7	17.8
\$1,501 to \$2,500 .....	14.6	8.3	26.7	18.0	31.8	7.7	20.4	16.0
More than \$2,500 .....	18.2	8.8	27.8	24.4	52.9	3.9	11.9	64.3
Mean enrollment .....	234	216	541	211	94	363	142	174
Number of teachers <sup>1</sup> (1,000) .....	404	198	83	98	35	185	127	32
PERCENT DISTRIBUTION								
Age: Under 30 .....	24.0	25.2	18.0	22.3	36.3	21.9	27.2	23.7
30 to 39 years old .....	37.6	36.2	39.2	36.1	40.4	36.7	37.8	39.2
40 to 49 years old .....	23.2	23.2	25.0	25.5	13.0	23.6	21.8	24.6
50 to 59 years old .....	10.5	10.3	12.3	10.5	7.9	11.8	9.6	6.5
60 years old and over .....	4.6	5.1	5.6	3.6	2.4	6.0	3.6	3.1
Sex: Male .....	24.1	10.3	48.6	29.9	25.4	(NA)	(NA)	(NA)
Female .....	75.9	89.7	51.5	70.1	74.6	(NA)	(NA)	(NA)
Race:								
White, non-Hispanic .....	92.2	91.1	95.0	92.6	91.1	93.5	91.9	90.2
Black, non-Hispanic .....	3.8	4.8	1.4	3.3	5.0	2.5	4.0	5.9
Hispanic .....	2.9	2.9	2.9	3.3	2.4	3.4	2.9	2.2
Education: Bachelor's .....	64.0	74.1	48.5	58.0	62.5	68.7	63.6	59.3
Master's .....	29.4	19.8	48.6	32.0	29.9	29.5	26.4	33.6
Experience:								
Less than 5 years .....	24.8	25.2	18.6	23.7	40.6	20.8	27.5	29.4
5 to 9 years .....	27.0	27.7	22.6	29.2	27.5	24.5	30.7	28.8
10 years or more .....	48.2	47.1	58.8	47.1	31.9	54.8	41.8	43.6
Average salary: <sup>2</sup>								
Base salary .....	\$14,400	\$12,900	\$17,100	\$14,900	\$14,900	\$13,900	\$13,600	\$16,800
Earned income .....	\$15,600	\$13,700	\$19,000	\$16,500	\$16,600	\$15,100	\$14,800	\$18,000

<sup>1</sup> Full- and part-time.      <sup>2</sup> Full-time teachers with salaries.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, 1987.

### No. 225. SCHOLASTIC APTITUDE TEST (SAT) SCORES AND CHARACTERISTICS OF COLLEGE BOUND SENIORS: 1967 TO 1986

[For school year ending in year shown]

TYPE OF TEST AND CHARACTERISTIC	Unit	1967	1970	1975	1976	1980	1981	1982	1983	1984	1985	1986
<b>TEST SCORES <sup>1</sup></b>												
Verbal, total <sup>2</sup>	Point	466	480	434	427	424	424	426	425	426	431	431
Male	Point	463	469	437	431	428	430	431	430	428	437	437
Female	Point	468	481	431	423	420	416	421	420	420	426	426
Math, total <sup>2</sup>	Point	492	488	472	487	486	486	487	486	471	475	475
Male	Point	514	509	485	493	491	492	493	493	485	496	501
Female	Point	467	465	449	443	443	443	443	445	449	452	451
<b>PARTICIPANTS</b>												
Total	1,000	(NA)	(NA)	989	992	992	984	989	983	986	977	1,001
Male	Percent	(NA)	(NA)	49.9	49.3	48.2	48.0	48.1	48.2	48.2	48.3	48.1
White	Percent	(NA)	(NA)	86.0	82.9	82.1	81.9	81.7	81.1	80.3	81.0	(NA)
Black	Percent	(NA)	(NA)	7.9	8.9	9.1	9.0	8.9	8.8	9.1	7.5	(NA)
Obtaining scores <sup>1</sup> of—												
600 or above:												
Verbal	Percent	(NA)	(NA)	7.9	7.7	7.2	7.0	7.1	6.8	7.3	7.6	7.9
Math	Percent	(NA)	(NA)	15.8	15.0	15.1	14.4	15.3	15.9	16.7	17.1	17.9
Below 400:												
Verbal	Percent	(NA)	(NA)	37.8	40.7	41.8	41.6	40.2	41.1	40.2	38.2	38.2
Math	Percent	(NA)	(NA)	28.5	29.9	29.5	29.5	29.5	30.1	29.1	26.2	26.0
Selected intended area of study:												
Business and commerce	Percent	(NA)	(NA)	11.5	17.8	18.8	18.5	18.7	18.5	19.1	21.0	(NA)
Engineering	Percent	(NA)	(NA)	6.7	10.1	11.1	11.8	12.6	12.6	12.0	11.7	(NA)
Social science	Percent	(NA)	(NA)	7.7	8.2	7.8	7.4	7.2	7.2	7.3	7.5	(NA)
Education	Percent	(NA)	(NA)	9.1	6.5	6.1	5.7	5.0	4.5	4.6	4.7	(NA)
SAT average <sup>2</sup> by high school rank:												
Top tenth	Point	(NA)	(NA)	(NA)	541	539	539	540	539	543	547	547
Second tenth	Point	(NA)	(NA)	(NA)	471	470	472	473	473	477	482	481
Second fifth	Point	(NA)	(NA)	(NA)	432	431	433	435	435	438	440	440
Third fifth	Point	(NA)	(NA)	(NA)	396	396	397	399	399	392	396	396

NA Not available. <sup>1</sup> Minimum score, 200; maximum score, 800. <sup>2</sup> 1967 and 1970 are estimates based on total number of persons taking SAT.

Source: College Entrance Examination Board, New York, NY, *National College-Bound Seniors*, annual. (Copyright.)

### No. 226. AMERICAN COLLEGE TESTING (ACT) PROGRAM SCORES AND CHARACTERISTICS OF COLLEGE-BOUND STUDENTS: 1970 TO 1986

[For academic year ending in year shown. Except as indicated, test scores and characteristics of college-bound students. Data based on sample]

TYPE OF TEST AND CHARACTERISTIC	Unit	1970	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986
<b>TEST SCORES <sup>1</sup></b>												
Composite	Point	18.9	18.6	18.5	18.6	18.5	18.5	18.4	18.3	18.5	18.6	18.6
Male	Point	20.3	19.5	19.3	19.3	19.3	19.3	19.2	19.1	19.3	19.4	19.6
Female	Point	19.4	17.8	17.8	17.8	17.9	17.8	17.8	17.6	17.9	17.9	18.1
English	Point	18.5	17.7	17.6	17.8	17.9	17.8	17.9	17.8	18.1	18.1	18.5
Male	Point	17.8	17.1	17.4	17.4	17.3	17.3	17.3	17.3	17.5	17.6	17.9
Female	Point	19.4	18.3	18.3	18.4	18.3	18.2	18.4	18.2	18.6	18.6	18.9
Math	Point	20.0	17.8	17.5	17.5	17.4	17.3	17.2	18.9	17.3	17.2	17.3
Male	Point	21.1	19.3	19.1	19.1	18.9	18.9	18.8	18.4	18.6	18.6	18.8
Female	Point	18.8	16.2	16.2	16.2	16.2	16.0	16.0	15.7	16.1	16.0	16.0
Social studies	Point	19.7	17.4	17.1	17.2	17.2	17.2	17.3	17.1	17.3	17.4	17.8
Male	Point	20.9	18.7	18.0	18.1	18.2	18.3	18.1	18.0	18.1	18.3	18.8
Female	Point	18.0	16.4	16.4	16.4	16.4	16.4	16.6	16.4	16.6	16.6	16.9
Natural science	Point	20.8	21.1	20.9	21.1	21.1	21.0	20.8	20.9	21.0	21.2	21.4
Male	Point	21.6	22.4	22.3	22.3	22.4	22.3	22.2	22.4	22.4	22.6	22.7
Female	Point	20.0	20.0	19.8	20.2	20.0	20.0	19.7	19.6	19.9	20.0	20.2
<b>PARTICIPANTS <sup>2</sup></b>												
Total	1,000	788	714	770	780	822	836	805	835	849	739	730
Male	Percent	52	46	45	45	45	45	45	46	46	46	48
White	Percent	(NA)	77	76	84	83	83	83	82	82	82	82
Black	Percent	4	7	7	8	8	8	8	9	9	8	8
Obtaining composite scores of—												
25 or above	Percent	14	14	13	13	13	13	13	13	13	14	14
15 or below	Percent	21	33	34	33	33	33	34	35	33	32	31
Planned educational major												
Business <sup>3</sup>	Percent	18	21	18	20	20	19	19	18	19	21	22
Engineering	Percent	8	6	8	8	8	10	11	10	9	8	8
Social science <sup>4</sup>	Percent	10	9	7	6	8	8	8	8	7	7	8
Education	Percent	18	12	9	9	9	7	9	8	6	6	7

NA Not available. <sup>1</sup> Minimum score, 1; maximum score, 36. <sup>2</sup> Beginning 1980, data are for seniors who graduated in year shown and had taken the ACT in their junior or senior years. <sup>3</sup> Includes political and persuasive (e.g. sales) fields through 1975; thereafter, business and commerce. <sup>4</sup> Includes religion through 1975.

Source: The American College Testing Program, Iowa City, IA, *High School Profile Report*, annual.

### No. 227. PUBLIC HIGH SCHOOL DISTRICTS—MEAN NUMBER OF CREDITS REQUIRED FOR GRADUATION: 1982 TO 1988

(For school year ending in year shown. A credit is a class scheduled for a minimum of 200 minutes per week (275 for a laboratory class) for 36 weeks. Credits have been converted to a 4-year base. Based on survey and subject to sampling error; see source for details. For definition of mean, see Guide to Tabular Presentation)

SUBJECT AND YEAR	NCEE <sup>1</sup> recommendations	Districts with high schools	ENROLLMENT SIZE			REGION			
			Less than 2,500	2,500 to 9,999	10,000 and over	North Atlantic <sup>2</sup>	Great Lakes and Plains <sup>3</sup>	South-east <sup>4</sup>	West and South-west <sup>5</sup>
Total									
1982	(x)	19.7	19.8	19.5	19.7	19.0	19.4	19.0	21.2
1985	(x)	20.3	20.4	20.0	20.2	19.6	19.9	19.8	21.6
1988 <sup>6</sup>	(x)	21.0	21.1	20.8	21.2	20.4	20.6	20.9	22.3
English <sup>7</sup>	(x)	4.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	3.6	3.6	3.7	3.6	4.0	3.4	3.6	3.6
1985	(x)	3.8	3.8	3.6	3.7	4.0	3.8	3.8	3.8
1988 <sup>6</sup>	(x)	3.9	3.9	3.9	3.8	4.0	3.7	4.0	3.8
Mathematics	(x)	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	1.6	1.7	1.6	1.7	1.7	1.4	1.6	1.8
1985	(x)	1.9	1.9	1.8	2.0	1.9	1.7	2.2	2.1
1988 <sup>6</sup>	(x)	2.3	2.3	2.3	2.4	2.4	2.0	2.6	2.5
Science	(x)	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	1.5	1.6	1.4	1.4	1.5	1.4	1.6	1.7
1985	(x)	1.8	1.8	1.6	1.7	1.7	1.6	1.8	2.0
1988 <sup>6</sup>	(x)	2.0	2.0	2.0	2.1	2.2	1.8	2.2	2.2
Social studies <sup>8</sup>	(x)	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	2.6	2.6	2.7	2.6	3.1	2.5	2.4	2.6
1985	(x)	2.8	2.8	2.7	2.8	3.1	2.7	2.5	2.8
1988 <sup>6</sup>	(x)	2.9	2.9	2.8	2.9	3.2	2.8	2.7	2.9

X Not applicable. <sup>1</sup> National Commission on Excellence in Education. <sup>2</sup> Includes CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, and VT. <sup>3</sup> Includes IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI. <sup>4</sup> Includes AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, and WV. <sup>5</sup> Includes AK, AZ, CA, CO, HI, ID, MT, NV, NM, OK, OR, TX, UT, WA, and WY. <sup>6</sup> Expected. <sup>7</sup> Includes language arts. <sup>8</sup> Includes history.

Source: U.S. Dept. of Education, Center for Education Statistics, Fast Response Survey System, No. 25, Academic Requirement

### No. 228. PUBLIC HIGH SCHOOL GRADUATES—STATES: 1980 TO 1987

(In thousands. Excludes equivalency certificates)

STATE	1980	1985	1987	STATE	1980	1985	1987	STATE	1980	1985	1987
U.S.	2,762.4	2,423.8	2,377.2	KS	30.9	26.0	25.7	ND	10.0	6.2	7.2
AL	45.2	40.0	41.2	KY	40.6	36.0	37.0	OH	144.2	122.3	122.4
AK	5.2	5.2	5.4	LA	46.3	39.0	39.0	OK	39.3	34.6	34.5
AZ	28.6	27.9	28.9	ME	15.4	13.9	13.9	OR	29.9	26.9	27.5
AR	29.1	26.3	26.9	MD	54.5	48.3	44.9	PA	146.5	127.2	121.2
CA	249.2	225.4	226.0	MA	77.0	63.7	56.7	RI	10.9	9.2	8.8
CO	36.6	32.3	34.0	MI	124.3	105.9	100.0	SC	37.7	35.0	33.1
CT	40.0	34.5	33.3	MN	66.1	53.4	53.3	SD	10.7	8.2	8.2
DE	7.6	5.9	5.9	MS	27.6	25.3	25.0	TN	49.8	43.3	44.1
DC	5.1	3.9	3.8	MO	62.3	51.3	50.9	TX	171.4	159.3	163.1
FL	67.8	61.1	61.5	MT	12.1	10.0	9.5	UT	20.0	18.6	20.9
GA	62.7	58.7	56.3	NE	22.4	18.0	16.5	VT	6.6	5.8	5.4
HI	11.8	10.1	9.9	NV	6.5	6.6	6.7	VA	66.2	61.0	65.1
ID	13.1	12.1	12.0	NH	11.4	11.1	11.3	WA	50.4	45.8	46.5
IL	135.6	117.0	110.0	NJ	97.6	85.6	78.8	WV	23.4	22.3	21.8
IN	75.6	64.8	58.0	NM	16.3	15.6	15.3	WI	71.3	60.2	68.3
IA	43.4	36.1	34.3	NY	204.1	166.8	162.2	WY	6.1	5.7	5.6
				NC	70.9	67.2	65.6				

Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual. (Copyright.)

### No. 229. HIGH SCHOOL DROPOUTS 14 TO 24 YEARS OLD, BY AGE AND RACE: 1970 TO 1986

(As of October. See heading, table 230 for definition of dropouts)

AGE AND RACE	NUMBER OF DROPOUTS (1,000)								PERCENT OF POPULATION			
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1985	1986
Total dropouts <sup>1,2</sup>	4,670	4,874	5,212	5,160	5,025	4,784	4,486	4,316	12.2	12.8	10.6	10.5
16-17 years	617	715	709	556	494	485	505	455	8.0	8.8	7.0	6.1
18-21 years	2,138	2,557	2,576	2,646	2,419	2,297	2,096	1,961	16.4	15.8	14.1	13.6
22-24 years	1,770	1,553	1,798	1,854	1,981	1,845	1,724	1,728	18.7	15.2	14.1	14.3
White <sup>3</sup>	3,577	3,881	4,180	4,088	3,860	3,661	3,583	3,467	10.6	11.3	10.3	10.5
16-17 years	465	594	619	478	424	421	424	394	7.3	9.2	7.1	6.6
18-21 years	1,618	1,900	2,032	2,086	1,897	1,852	1,679	1,566	14.3	14.7	13.6	13.1
22-24 years	1,355	1,189	1,416	1,487	1,531	1,429	1,372	1,378	16.3	14.0	13.3	13.9
Black <sup>4</sup>	1,097	1,034	984	987	918	799	748	707	22.2	16.0	12.6	12.0
16-17 years	125	116	80	88	62	66	70	62	12.8	6.9	6.5	4.7
18-21 years	500	540	486	519	436	379	376	345	30.5	23.0	17.5	16.5
22-24 years	367	337	346	332	398	354	279	272	37.8	24.0	17.6	17.9

<sup>1</sup> Includes other race groups not shown separately. <sup>2</sup> Includes persons 14-15 years, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409 and earlier reports; and unpublished data.

NO. 230. EMPLOYMENT STATUS OF HIGH SCHOOL GRADUATES NOT ENROLLED IN COLLEGE AND SCHOOL DROPOUTS, BY SEX AND RACE: 1975 TO 1986

Thousands, except percent. As of October. For civilian noninstitutional population 16 to 21 years old. High school graduates: Persons not enrolled in college; includes those who attended college prior to survey date. Dropouts: Persons not in regular school and who have not completed the 12th grade nor received a general equivalency degree. Based on sample and subject to sampling variability]

EMPLOYMENT STATUS, SEX, AND RACE	GRADUATES					DROPOUTS				
	1975 <sup>1</sup>	1980	1984	1985	1990	1975 <sup>1</sup>	1980	1984	1985	1990
Civilian population.....	7,254	7,708	6,791	6,464	6,306	3,317	3,377	2,782	2,599	2,417
labor force.....	6,008	6,648	5,865	5,565	5,403	2,029	2,248	1,835	1,754	1,579
Percent of population.....	82.8	86.2	86.4	86.1	85.7	61.2	66.6	66.0	67.5	65.3
Employed.....	5,111	5,805	5,082	4,727	4,703	1,449	1,636	1,326	1,207	1,158
Percent of labor force.....	85.1	87.4	86.6	84.9	87.0	71.4	72.8	72.3	68.8	73.3
Male.....	2,573	2,833	2,452	2,300	2,318	969	1,077	895	811	785
Female.....	2,538	2,973	2,630	2,427	2,385	480	559	432	396	373
White.....	4,653	5,211	4,445	4,159	4,091	1,216	1,426	1,169	1,072	1,000
Black.....	<sup>2</sup> 454	513	561	504	540	<sup>2</sup> 232	179	117	114	121
Unemployed.....	697	841	783	838	700	580	613	509	547	421
Percent of labor force.....	14.9	12.7	13.4	15.1	13.0	28.6	27.3	27.7	31.2	26.7
Male.....	450	485	384	430	326	336	371	312	356	244
Female.....	447	378	419	408	374	244	242	197	191	177
White.....	715	824	503	552	471	419	434	368	420	309
Black.....	<sup>2</sup> 185	207	254	263	216	<sup>2</sup> 161	151	138	119	103
in labor force.....	1,246	1,082	927	896	903	1,289	1,128	946	648	636
Percent of population.....	17.2	13.8	13.6	13.9	14.0	38.9	33.4	34.0	32.6	34.7

<sup>1</sup> Population controls based on 1980 census; see text, sections 1 and 4.  
<sup>2</sup> Black and other races.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Report*, No. 191, Bulletin 2192, and unpublished data.

NO. 231. MEAN MONEY EARNINGS, BY AGE, SEX, AND EDUCATIONAL ATTAINMENT: 1985

[For year-round full-time workers 19 years old and over. As of March 1986. Based on Current Population Survey; see text section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation]

AGE AND SEX	Total	ELEMENTARY			SECONDARY			COLLEGE			
		Total	Less than 8 years	8 years	Total	1-3 years	4 years	Total	1-3 years	4 years	5 or more years
Total.....	23,483	14,960	13,748	16,306	19,105	16,936	19,543	26,589	22,886	30,391	36,707
-24 years old.....	13,241	9,686	9,283	10,476	12,489	11,407	12,880	14,897	13,864	17,464	16,996
-34 years old.....	21,632	12,789	12,118	13,835	18,294	15,865	18,659	24,935	21,541	25,628	31,234
-44 years old.....	26,708	15,726	14,044	17,896	20,697	17,210	21,801	32,251	25,715	33,197	40,896
-54 years old.....	26,970	16,393	14,954	17,943	21,713	19,257	22,291	35,389	28,901	37,989	43,835
-64 years old.....	25,485	16,185	14,982	17,259	20,950	18,936	21,603	35,531	26,183	39,896	43,642
years old and over.....	22,407	11,051	9,751	11,754	19,180	16,225	20,068	32,314	21,516	40,039	38,326
Male, total.....	27,430	16,490	15,039	16,861	22,176	19,241	22,862	34,106	28,708	35,400	44,479
-24 years old.....	14,300	10,479	10,192	10,748	13,848	12,445	13,907	16,329	15,569	18,484	16,873
-34 years old.....	24,067	13,657	12,646	14,972	20,362	17,061	20,936	28,028	24,057	28,834	35,097
-44 years old.....	31,566	17,577	15,623	19,935	24,854	19,946	25,919	37,440	29,699	38,026	47,000
-54 years old.....	32,379	18,350	16,610	20,273	26,209	22,744	27,129	41,673	31,926	44,380	50,263
-64 years old.....	30,247	17,950	16,539	19,240	25,057	22,178	26,113	41,807	31,934	44,510	49,135
years old and over.....	25,369	11,694	10,061	12,644	21,904	18,437	23,120	36,068	24,556	43,680	40,541
Female, total.....	17,033	10,433	9,681	11,187	14,544	12,317	14,903	20,393	17,229	21,362	26,348
-24 years old.....	11,925	7,601	6,137	9,305	10,832	9,028	11,056	13,620	12,340	16,615	17,098
-34 years old.....	17,701	9,413	9,212	9,705	14,839	12,931	15,053	20,244	17,734	21,027	24,624
-44 years old.....	18,526	10,900	10,341	11,763	15,492	12,319	15,993	22,062	19,049	22,630	26,762
-54 years old.....	17,896	11,013	10,190	11,841	15,462	13,061	15,934	22,245	18,483	22,363	26,357
-64 years old.....	16,636	10,733	9,644	11,578	14,851	12,778	15,401	21,794	17,492	24,061	28,466
years old and over.....	15,144	8,902	6,743	9,280	13,686	11,521	14,503	20,526	15,541	27,319	25,111

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

### NO. 232. HIGH SCHOOL AND COLLEGE GRADUATES, BY SEX AND CONTROL: 1960 TO 1985

[In thousands, except percent. See also table 254, Appendix III; and Historical Statistics, Colonial Times to 1970, series H 588-601 and H 752-758]

YEAR OF GRADUATION	HIGH SCHOOL GRADUATES <sup>1</sup>						COLLEGE GRADUATES <sup>2</sup>				
	Total		Sex		Control		Bachelor's degrees <sup>4</sup>				Master's and doctor's degrees <sup>5</sup>
	Number	Percent of persons 17 years old <sup>3</sup>	Male	Female	Public	Private, excl.	Total	Per 100 high school graduates 4 yrs. earlier	Male	Female	
1960.....	1,858	69.5	895	963	1,527	231	392	28	254	136	84
1965.....	2,058	72.1	1,311	1,347	2,380	298	501	25	289	213	162
1970.....	2,869	76.9	1,430	1,459	2,589	300	793	30	451	341	273
1975.....	3,133	73.6	1,542	1,591	2,623	310	823	31	505	418	382
1980.....	3,043	71.4	1,491	1,552	2,748	295	929	29	474	456	401
1985.....	2,888	73.3	1,437	1,451	2,588	290	970	31	479	490	395
1984.....	2,773	73.9	(NA)	(NA)	2,501	272	974	32	482	492	382
1985, prel.....	2,683	73.3	(NA)	(NA)	2,420	263	979	32	483	497	394

NA Not available. <sup>1</sup> Data for 1960-1970 include about 7,000 graduates of subcollegiate departments of institutions of higher education, Federal schools for Indians and on Federal installations, and residential schools for exceptional children. <sup>2</sup> Based on estimated resident population as of July 1. <sup>3</sup> Data cover public and private institutions. <sup>4</sup> 1960, bachelor's or first professional degree; thereafter, bachelor's degree only. <sup>5</sup> Beginning 1985, includes first professional degrees.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

### NO. 233. COLLEGE ENROLLMENT AND PERCENT OF HIGH SCHOOL GRADUATES ENROLLED IN, OR COMPLETED ONE OR MORE YEARS OF COLLEGE, BY SEX AND RACE: 1960 TO 1986

[As of October, except as noted. Covers civilian noninstitutional population 14 to 24 years old]

ITEM AND YEAR	ALL PERSONS			MALE			FEMALE		
	Total <sup>1</sup>	White	Black	Total <sup>2</sup>	White	Black	Total <sup>3</sup>	White	Black
College enrollment (1,000):									
1960 <sup>4</sup>	2,279	2,138	<sup>5</sup> 141	1,365	1,297	<sup>6</sup> 68	914	841	<sup>7</sup> 73
1970.....	6,085	5,535	437	3,481	3,213	262	2,604	2,322	239
1975.....	7,228	6,368	699	3,821	3,437	308	3,407	2,931	362
1980.....	7,475	6,546	718	3,700	3,303	292	3,778	3,243	425
1985.....	7,799	6,729	755	3,880	3,374	355	3,917	3,357	400
1986.....	7,613	6,426	820	3,739	3,206	350	3,874	3,221	471
Percent of high school graduates enrolled:									
1960 <sup>4</sup>	23.8	24.3	<sup>5</sup> 18.7	30.4	31.1	<sup>6</sup> 21.1	18.0	18.1	<sup>7</sup> 18.9
1970.....	33.3	33.9	26.7	41.8	42.9	29.5	28.3	28.3	24.7
1975.....	33.1	33.0	32.5	36.7	36.9	33.4	29.9	29.4	32.0
1980.....	32.3	32.5	28.3	33.8	34.3	27.0	30.9	30.9	28.2
1985.....	34.3	35.0	28.5	36.0	36.6	28.2	32.8	33.6	25.1
1986.....	34.4	34.8	28.8	35.7	36.1	28.2	33.3	33.2	29.4
Percent of high school graduates enrolled in college or completed 1 or more years of college:									
1960 <sup>4</sup>	40.4	41.0	<sup>5</sup> 32.5	48.1	47.1	<sup>6</sup> 33.5	35.3	35.6	<sup>7</sup> 31.8
1970.....	52.3	53.4	40.0	59.2	60.8	41.2	48.5	47.1	36.0
1975.....	52.5	52.7	48.0	55.1	56.8	50.3	49.2	49.1	46.4
1980.....	51.1	51.4	46.2	51.4	51.8	44.4	51.0	51.0	47.6
1985.....	54.3	55.3	43.6	54.6	55.5	43.5	54.0	55.2	43.9
1986.....	54.8	55.3	47.4	54.2	55.0	43.7	55.3	56.6	50.2

<sup>1</sup> Includes other races, not shown separately. <sup>2</sup> As of April. <sup>3</sup> Black and other races.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, vol. 1, *Characteristics of the Population*, part 1; *Current Population Reports*, series P-20, No. 409 and earlier reports; and unpublished data.

### NO. 234. COLLEGE ENROLLMENT, BY SEX, AGE, AND RACE: 1972 TO 1986

[In thousands. As of October. Covers civilian noninstitutional population, 14 years old and over. Degree credit enrollment only]

SEX, AGE, AND RACE	1972	1975	1978	1979	1980	1981 <sup>1</sup>	1981 <sup>2</sup>	1982	1983	1984	1985	1986
Total.....	9,095	10,290	11,140	11,380	11,367	11,814	12,127	12,309	12,320	12,304	12,524	12,492
Male <sup>3</sup>	5,218	5,911	5,581	5,480	5,430	5,636	5,825	5,899	6,010	5,969	5,905	5,848
18-24 years.....	3,534	3,693	3,621	3,506	3,604	3,724	3,833	3,837	3,820	3,929	3,749	3,649
25-34 years.....	1,178	1,521	1,398	1,356	1,325	1,375	1,442	1,460	1,576	1,492	1,484	1,508
35 years and over.....	365	569	457	487	406	443	453	490	508	476	581	690
Female <sup>3</sup>	3,877	4,389	5,559	5,800	5,957	6,178	6,303	6,410	6,310	6,317	6,616	6,654
18-24 years.....	2,724	3,243	3,373	3,482	3,825	3,880	3,741	3,841	3,857	3,862	3,788	3,747
25-34 years.....	581	947	1,173	1,319	1,378	1,431	1,485	1,526	1,510	1,522	1,599	1,489
35 years and over.....	418	814	845	814	802	834	840	800	899	870	1,100	1,157
White.....	8,147	9,547	9,662	9,662	9,926	10,352	10,550	10,566	10,521	10,762	10,487	10,487
Male.....	4,723	5,263	4,913	4,804	4,804	4,900	5,011	5,078	5,162	5,111	5,101	4,997
Female.....	3,427	4,285	4,748	5,132	5,123	5,265	5,342	5,474	5,404	5,410	5,680	5,590
Black and other races.....	949	1,333	1,479	1,424	1,461	1,548	1,775	1,758	1,754	1,784	1,742	1,595
Male.....	569	646	686	657	626	735	814	821	848	878	806	784
Female.....	450	684	811	788	834	813	961	938	906	906	936	811

<sup>1</sup> Population controls based on 1970 census, see text, sections 1 and 4. <sup>2</sup> Population controls based on 1980 census, see text, sections 1 and 4. <sup>3</sup> Includes persons 14 to 17 years old, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409 and earlier reports; and unpublished data.



## NO. 236. HIGHER EDUCATION—SUMMARY: 1970 TO 1985

[Institutions, staff, and enrollment as of fall. Finances for fiscal year ending in the following year. Covers universities, colleges, professional schools, junior and teachers colleges, both publicly and privately controlled, regular session. Includes estimates for institutions not reporting. See also Appendix III, and *Historical Statistics, Colonial Times to 1970*, series H 690, H 699-706, and H 710.]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985
<b>Institutions<sup>1</sup></b>	Number	2,555	3,025	3,182	3,231	3,263	3,288	3,284	3,331	3,340
4-year	Number	1,965	1,895	1,957	1,957	1,979	1,984	2,013	2,025	2,029
2-year	Number	590	1,126	1,195	1,274	1,274	1,295	1,271	1,306	1,311
<b>Instructional staff</b>	1,000	573	781	823	846	865	885	(NA)	(NA)	(NA)
Instructor or above	1,000	474	628	675	686	705	701	723	700	710
Percent full-time	Percent	77.8	70.1	65.8	65.8	64.9	64.9	65.1	65.0	64.2
<b>Total enrollment<sup>2</sup></b>	1,000	8,891	11,186	11,570	12,097	12,572	12,438	12,466	12,343	12,347
Male	1,000	4,837	5,321	5,683	5,874	5,975	6,031	6,024	5,864	5,818
Female	1,000	3,284	4,410	5,887	6,223	6,397	6,394	6,441	6,378	6,429
4-year institutions	1,000	6,290	7,143	7,353	7,571	7,655	7,654	7,741	7,711	7,716
2-year institutions	1,000	1,830	2,568	4,217	4,526	4,716	4,772	4,723	4,631	4,631
Full-time	1,000	5,469	6,147	6,794	7,090	7,181	7,221	7,261	7,068	7,075
Part-time	1,000	2,431	3,584	4,776	4,999	5,190	5,206	5,204	5,144	5,172
Public	1,000	5,800	7,426	8,037	8,457	8,647	8,686	8,683	8,478	8,479
Private	1,000	2,120	2,306	2,533	2,640	2,725	2,730	2,782	2,765	2,768
<b>Graduate</b>	1,000	1,031	1,263	1,070	1,100	1,101	1,080	1,105	1,114	1,129
<b>Undergraduate<sup>3</sup></b>	1,000	5,869	8,468	10,500	10,997	11,270	11,336	11,360	11,128	11,118
Male	1,000	4,005	4,821	5,116	5,303	5,404	5,461	5,448	5,287	5,241
Female	1,000	2,864	3,847	5,384	5,694	5,867	5,875	5,914	5,841	5,876
1st time freshmen	1,000	1,780	1,910	2,503	2,568	2,565	2,505	2,444	2,352	2,292
4-year institutions	1,000	5,259	5,864	8,285	8,472	8,555	8,565	8,637	8,597	8,586
Full-time	1,000	4,234	4,577	4,788	4,897	4,939	4,934	4,978	4,830	4,814
Part-time	1,000	1,025	1,308	1,517	1,574	1,615	1,630	1,658	1,867	1,673
2-year institutions	1,000	1,630	2,584	4,215	4,526	4,716	4,771	4,723	4,531	4,531
Public	1,000	5,076	6,520	8,337	8,747	8,948	9,006	8,990	8,784	8,776
Private	1,000	1,613	1,948	2,183	2,251	2,325	2,327	2,370	2,344	2,341
<b>Current funds revenues<sup>4</sup></b>	ML dol	23,979	36,703	58,520	65,586	72,191	77,588	84,417	92,473	(NA)
Tuition and fees	ML dol	5,021	8,172	11,930	13,773	15,774	17,778	19,715	21,284	(NA)
Federal Government	ML dol	2,739	5,414	7,772	8,479	8,320	8,161	8,783	11,509	(NA)
State government	ML dol	6,589	12,261	18,378	20,108	21,849	23,086	24,707	27,583	(NA)
Auxiliary enterprises	ML dol	3,125	4,548	6,481	7,287	8,122	8,770	9,458	10,100	(NA)
Plant funds <sup>5</sup>	ML dol	(NA)	3,910	4,382	4,774	5,185	4,987	6,238	6,737	(NA)
Increase in fund balance <sup>6</sup>	ML dol	486	959	2,154	2,793	2,224	5,322	2,410	4,653	(NA)
<b>Current funds expenditures<sup>7</sup></b>	ML dol	23,375	38,903	56,914	64,063	70,339	75,936	81,993	88,951	(NA)
Educational and general <sup>8</sup>	ML dol	17,616	30,586	44,543	50,074	54,849	56,829	63,741	70,061	(NA)
Auxiliary enterprises and activities	ML dol	2,988	4,477	6,480	7,288	7,998	8,614	9,250	10,012	(NA)
Gross addition to plant value	ML dol	4,185	4,702	5,551	6,471	6,975	7,421	7,804	8,308	(NA)
Value of plant	ML dol	46,054	66,348	83,739	88,761	94,517	100,998	107,840	114,784	(NA)
Endowment (book value)	ML dol	11,341	13,952	18,561	20,841	23,065	26,352	29,502	33,399	(NA)

NA Not available. <sup>1</sup> Beginning 1975, number of institutions includes count of branch campuses. <sup>2</sup> Beginning 1975, branch campuses counted according to actual status, e.g., 2-year branch in 2-year category; previously a 2-year branch included in university category; 1970 and 1975 characteristics data exclude non-degree enrollment (661,000 and 1,463,000 respectively). <sup>3</sup> Includes first-professional enrollment and unclassified students. <sup>4</sup> Includes items not shown separately. <sup>5</sup> Annual net increase in plant funds. <sup>6</sup> Includes endowment, and, beginning 1975, annuity and student loans. See table 245. <sup>7</sup> Beginning 1975, not strictly comparable with earlier years.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual, and unpublished data.

### NO. 236. ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY SEX, AGE, AND ATTENDANCE STATUS, 1970 TO 1985, AND PROJECTIONS, 1986

(As of fall)

SEX AND AGE	NUMBER (1,000)					PERCENT PART-TIME				
	1970	1975	1980	1985	1986, proj.	1970	1975	1980	1985	1986, proj.
<b>Total</b>	8,891	11,186	12,097	12,347	11,463	32.3	26.5	41.3	45.2	48.9
<b>Male</b>	5,044	6,149	5,874	5,818	5,386	30.5	36.1	37.2	38.0	42.4
14 to 17 years old	129	126	99	121	86	3.9	13.5	15.2	15.7	13.6
18 and 19 years old	1,349	1,397	1,375	1,230	1,046	6.2	9.2	10.8	9.9	11.0
20 and 21 years old	1,095	1,245	1,250	1,218	946	8.6	15.4	12.2	15.5	15.8
22 to 24 years old	984	1,046	1,064	1,046	909	32.6	34.5	36.4	30.3	32.0
25 to 29 years old	783	1,123	983	991	910	59.2	57.8	61.9	60.1	58.5
30 to 34 years old	308	557	576	574	648	76.6	67.0	77.6	73.9	73.0
35 years old and over	415	654	507	639	630	81.9	76.8	84.8	84.5	86.1
<b>Female</b>	3,537	5,036	6,223	6,429	6,085	34.6	42.1	45.2	46.1	50.7
14 to 17 years old	129	152	148	113	111	9.3	12.5	11.5	10.6	11.7
18 and 19 years old	1,260	1,398	1,528	1,370	1,173	8.6	10.6	11.4	11.4	11.7
20 and 21 years old	785	898	1,166	1,168	902	16.3	19.8	17.9	18.7	19.0
22 to 24 years old	483	706	825	895	719	53.1	54.4	47.4	43.8	43.9
25 to 29 years old	282	651	676	682	623	72.6	66.6	73.8	66.8	67.9
30 to 34 years old	179	410	467	467	749	84.4	78.6	78.8	76.7	76.9
35 years old and over	409	730	613	1,240	1,580	89.6	85.9	87.5	89.0	82.2

Source: U.S. Dept. of Education, Center for Education Statistics, *The Condition of Education*, annual.



## NO. 237. COLLEGE FRESHMEN—SUMMARY CHARACTERISTICS: 1966 TO 1986

[In percent. As of fall for first-time, full-time freshman. Based on sample survey and subject to sampling error; see source]

CHARACTERISTIC	1966	1970	1975	1980	1981	1982	1983	1984	1985	1986
Sex: Male	57	55	53	49	49	49	49	48	48	48
Female	43	45	47	51	51	51	51	52	52	52
Average grade in high school:										
A- to A+	15	16	18	21	21	21	20	20	21	23
B- to B+	54	58	60	60	60	60	59	58	59	56
C- to C+	30	27	21	19	19	19	21	21	20	20
D-	1	1	1	1	1	1	1	1	1	1
Political orientation:										
Liberal	(NA)	34	29	20	18	19	18	20	21	22
Middle of the road	(NA)	45	54	60	60	60	60	58	57	56
Conservative	(NA)	17	15	17	20	18	18	19	19	18
Probable field of study:										
Arts and humanities	17	18	11	9	7	8	8	9	9	9
Biological sciences	4	4	6	4	4	4	4	4	4	4
Business	14	16	19	24	24	24	24	26	27	28
Education	11	11	10	7	7	5	6	7	7	6
Engineering	10	9	8	12	12	12	12	11	11	11
Physical science	3	2	3	3	3	3	3	3	2	2
Social science	18	14	10	7	6	6	6	7	8	8
Professional	(NA)	(NA)	(NA)	15	13	13	14	14	13	12
Technical	2	4	9	6	6	7	7	6	5	4
Data processing/computer programming	(NA)	(NA)	(NA)	2	3	4	4	2	2	2
Other <sup>1</sup>	(NA)	(NA)	(NA)	(NA)	14	16	16	16	16	15
Communications	(NA)	(NA)	(NA)	2	2	2	2	2	2	2
Computer science	(NA)	(NA)	(NA)	1	1	2	5	3	2	2
Recipient of financial aid:										
Pell grant	(NA)	(NA)	27	33	26	23	26	20	19	17
Supplemental educational opportunity grant	(NA)	(NA)	6	8	8	6	7	6	5	5
State scholarship or grant	(NA)	(NA)	19	16	14	15	16	14	14	14
College grant	(NA)	(NA)	9	13	11	12	13	17	19	18
Federal guaranteed student loan	(NA)	(NA)	10	21	17	11	15	23	23	25
National direct student loan	(NA)	(NA)	10	9	8	8	5	6	6	7
College loan	(NA)	(NA)	13	4	4	4	4	4	4	4
College work-study grant	(NA)	(NA)	12	15	12	12	14	9	10	10
Essential or important objectives:										
Be very well-off financially	44	38	50	63	65	66	66	71	71	73
Develop meaningful philosophy of life	(NA)	78	84	80	49	47	44	45	43	41
Help others who are in difficulty	66	65	68	65	63	62	62	62	63	67
Become involved in programs to clean environment	(NA)	43	29	27	25	23	21	21	20	18
Attitudes—agree or strongly agree:										
Activities of married women are best confined to home and family	(NA)	48	28	27	27	26	25	23	22	20
Capital punishment should be abolished	(NA)	58	(NA)	34	30	28	29	26	27	28
Legalize marijuana	(NA)	36	47	39	34	29	26	23	22	21

NA Not available. <sup>1</sup> Includes other fields of study, not shown separately. <sup>2</sup> 1976 data. <sup>3</sup> 1971 data.Source: The Higher Education Research Institute, University of California, Los Angeles, CA, *The American Freshman: National Norms*, annual.

## NO. 238. CHANGES IN ENROLLMENT IN REMEDIAL COLLEGE COURSES, 1978 TO 1984, AND FRESHMEN ENROLLMENT IN REMEDIAL COLLEGE COURSES, 1984

[In percent, except as noted. For school year ending in year shown. Remedial courses are those designed for students lacking skill necessary to perform college-level work as required by the institution. Based on survey and subject to sampling error; see source]

INSTITUTIONAL CHARACTERISTIC	INSTITUTIONS REPORTING ENROLLMENT IN REMEDIAL COLLEGE COURSES BETWEEN 1978 AND 1984—			FRESHMEN IN REMEDIAL COURSES, 1984						
	Increased 10 percent or more	Stayed about the same	Decreased 10 percent or more	Number (million)	Percent all freshmen by type of course			Percent distribution		
					Reading	Writing	Math	Reading	Writing	Math
Total	69	33	4	4.8	18	21	25	100	100	100
Control:										
Public	70	28	5	4.1	18	22	27	92	91	91
Private	54	42	4	.7	9	12	15	8	9	9
Type:										
2-year	60	27	5	3.0	19	23	28	73	70	71
4-year	58	38	4	1.8	12	17	18	27	30	29
Admission:										
Open <sup>1</sup>	72	24	4	3.1	20	24	30	77	74	79
Liberal <sup>2</sup>	57	39	4	.7	14	17	18	13	13	12
Traditional <sup>3</sup>	54	39	7	.4	9	13	13	5	6	6
Selective <sup>4</sup>	48	46	4	.5	6	14	13	4	7	6

<sup>1</sup> Institutions accepting all high school graduates. <sup>2</sup> Institutions accepting some students from lower half of high school class.<sup>3</sup> Institutions accepting only students from top half of high school class. <sup>4</sup> Institutions accepting only students in the top quarter of high school class.

Source: U.S. Dept. of Education, Center for Education Statistics, Bulletin, "Many College Freshmen Take Remedial Courses," Sept. 1985.

## NO. 238. COLLEGE ENROLLMENT, BY SELECTED MAJOR FIELD OF STUDY AND SEX: 1976 AND 1984

SELECTED MAJOR FIELD OF STUDY	ENROLLMENT (1,000)						PERCENT DISTRIBUTION					
	1976			1984 <sup>1</sup>			1976			1984 <sup>1</sup>		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total enrollment, selected fields	2,844.6	1,919.9	724.7	2,490.7	1,588.1	602.6	100.0	100.0	100.0	100.0	100.0	100.0
Percent of total enrollment	24.0	33.0	13.9	20.8	27.6	14.6	(x)	(x)	(x)	(x)	(x)	(x)
Agriculture/natural resources	155.8	116.2	39.6	(NA)	(NA)	(NA)	5.9	6.1	5.5	(x)	(x)	(x)
Architecture <sup>2</sup>	66.8	52.6	14.0	56.9	37.6	19.3	2.6	2.8	2.2	2.3	2.4	2.1
Biological sciences	318.0	189.8	128.2	233.5	118.7	114.8	12.0	9.9	17.7	9.5	7.8	12.7
Business and management	1,261.8	880.1	421.7	1,295.6	717.0	578.6	48.5	44.8	58.2	52.7	48.0	64.1
Dentistry	20.3	18.0	2.2	20.0	15.2	4.8	.8	.9	.3	.8	1.0	.5
Engineering	451.7	417.2	34.5	516.3	441.2	75.0	17.1	21.7	4.8	21.0	28.3	6.3
Law	119.6	68.7	30.9	117.7	71.4	46.2	4.5	4.6	4.3	4.8	4.6	5.1
Medicine	56.1	45.1	12.9	67.8	46.5	21.4	2.2	2.4	1.6	2.8	3.0	2.4
Physical sciences	164.3	127.4	36.9	143.7	105.6	38.1	6.2	6.6	5.1	5.8	6.6	4.2
Veterinary medicine	6.1	4.4	1.7	9.2	4.8	4.4	.2	.2	.2	.4	.3	.5

NA Not available. X Not applicable. <sup>1</sup> Excludes students whose major field was not reported. <sup>2</sup> Includes environmental design.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics, 1987*.

## NO. 240. HIGHER EDUCATION ENROLLMENTS IN FOREIGN LANGUAGES: 1960 TO 1986

[As of fall]

ITEM	1965	1966	1969	1970	1972	1974	1977	1980	1983	1986
Registrations <sup>1</sup> (1,000)	647.1	1,034.9	1,127.4	1,111.6	1,006.9	948.6	831.6	824.5	885.0	1,003.2
Index (1960=100)	100.0	159.9	174.2	171.8	155.9	146.3	144.3	142.9	148.3	155.0
By selected language (1,000):										
Spanish	178.7	310.3	364.9	366.2	364.5	362.2	376.7	379.4	386.2	411.3
French	228.6	371.6	388.1	359.3	293.1	253.1	246.1	248.4	270.1	275.3
German	148.1	213.9	216.3	202.6	177.1	162.1	135.4	126.9	128.2	121.0
Italian	11.1	22.9	30.4	34.2	33.3	33.0	33.3	34.8	36.7	40.9
Russian	30.6	33.7	40.7	41.1	36.4	32.5	27.8	24.0	30.4	34.0
Latin	25.7	39.6	35.0	27.6	24.4	25.2	24.4	25.0	24.2	25.0
Japanese	1.7	3.4	4.3	6.6	6.3	9.6	10.7	11.5	16.1	23.6
Ancient Greek	12.7	19.5	19.3	16.7	20.6	24.4	25.8	22.1	19.4	17.6
Chinese	1.8	3.6	5.1	6.2	10.0	10.6	9.9	11.4	13.2	16.9
Hebrew	3.9	8.1	10.2	16.6	21.1	22.4	19.4	19.4	18.2	15.6
Portuguese	1.0	3.0	4.0	5.1	4.8	5.1	5.0	4.9	4.4	5.1
Arabic	.5	.9	1.1	1.3	1.7	2.0	3.1	3.5	3.4	3.4

<sup>1</sup> Includes other foreign languages, not shown separately. <sup>2</sup> Estimated.

Source: Association of Departments of Foreign Languages, New York, NY, *ADFL Bulletin*, vol. 19, No. 2, and earlier issues. (Copyright.)

## NO. 241. FOREIGN (NONIMMIGRANT) STUDENT ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY REGION OF ORIGIN, 1976 TO 1986, AND BY FIELD OF STUDY, 1976 AND 1986

[For fall of the previous year]

REGION OF ORIGIN	ENROLLMENT (1,000)									PERCENT ENROLLED IN—					
										Engineering		Science <sup>1</sup>		Business	
	1976	1979	1981	1982	1983	1984	1985	1986		1976	1986	1976	1986	1976	1986
All regions	179	264	288	312	326	337	339	342	344	23	22	13	6	16	18
Africa	25	34	36	38	42	43	42	40	34	17	16	16	7	20	21
Nigeria	11	16	16	17	20	21	20	18	13	14	12	16	5	22	31
Asia <sup>2</sup>	97	147	166	179	181	187	189	200	210	30	27	13	6	16	18
China, Taiwan	11	15	18	19	21	21	22	23	24	26	27	27	11	6	12
Hong Kong	12	11	10	10	9	9	9	10	11	19	20	15	5	21	27
India	10	9	9	9	11	13	14	15	16	35	34	17	12	15	17
Indonesia	1	2	2	3	4	5	6	7	8	18	25	9	3	19	30
Iran	20	45	51	48	36	27	20	17	14	40	35	6	13	10	6
Japan	7	10	12	14	14	14	13	13	13	9	6	6	4	17	16
Saudi Arabia	3	8	10	10	9	9	8	7	7	27	27	5	3	18	17
South Korea	3	5	5	6	8	11	14	16	19	18	18	13	10	8	16
Europe	14	22	23	26	28	32	32	33	34	13	13	13	6	15	17
Latin America <sup>3</sup>	30	41	42	50	55	57	52	46	43	20	18	12	6	18	20
Mexico	5	6	6	7	8	7	6	6	5	13	14	11	6	17	16
Venezuela	5	6	10	12	14	15	13	10	7	34	26	10	5	6	21
North America	10	16	16	15	15	15	16	16	16	7	10	6	7	10	16
Canada	10	15	15	14	15	14	15	15	15	6	10	7	7	8	15
Oceania	3	4	4	4	4	4	4	4	4	5	7	11	6	13	20

<sup>1</sup> Physical and life sciences. <sup>2</sup> Includes countries not shown separately. <sup>3</sup> Includes Central America, Caribbean, and South America.

Source: Institute of International Education, New York, NY, *Open Doors*, annual. (Copyright.)

No. 242. EMPLOYED COLLEGE STUDENTS, BY SELECTED CHARACTERISTIC: 1983 AND 1985

[For school year ending in year shown and summer of the previous year. Covers students enrolled full-time in undergraduate four year colleges. Based on sample and subject to sampling error; for details, see source. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	TOTAL (1,000)		PERCENT EMPLOYED—							
			Full-time <sup>1</sup>				Part-time <sup>2</sup>			
	1983	1985	School year		Summer		School year		Summer	
			1983	1985	1983	1985	1985	1985	1985	1985
Total.....	4,458.9	4,510.7	9.2	12.8	54.7	81.9	47.2	45.4	33.4	27.9
Sex:										
Male .....	2,254.7	2,294.9	10.9	14.4	58.5	68.1	44.5	43.0	31.0	23.6
Female .....	2,204.1	2,215.8	7.5	11.1	50.7	55.3	50.0	47.9	35.8	30.5
Race:										
White .....	3,833.7	3,863.1	9.1	12.4	56.2	64.0	46.0	45.7	33.9	26.3
Black .....	377.4	381.9	12.6	16.1	47.8	51.5	38.7	41.2	26.5	31.2
Other .....	247.7	265.7	6.3	12.7	41.9	45.4	50.0	47.5	36.3	30.4
Enrollment:										
Freshman .....	1,448.0	1,461.7	7.7	7.9	50.3	56.8	41.2	36.7	37.0	31.7
Sophomore .....	1,012.3	1,046.3	6.2	12.4	56.3	68.1	46.8	46.5	32.1	22.4
Junior .....	1,021.4	1,006.0	10.5	14.1	53.7	63.1	49.4	51.8	35.1	25.1
Senior .....	977.2	976.8	13.4	19.1	58.3	61.6	54.0	47.7	27.5	26.7
Family income:										
Under \$10,000 .....	509.6	354.6	12.6	14.0	44.4	53.1	40.1	53.9	30.6	26.8
\$10,000—\$14,999 .....	348.9	386.5	12.1	16.0	52.3	54.1	51.9	46.6	36.2	32.4
\$15,000—\$24,999 .....	718.3	638.0	12.9	17.3	55.2	56.6	46.9	45.4	35.9	29.4
\$25,000—\$39,999 .....	1,064.9	1,294.7	10.0	12.5	56.0	63.5	49.7	46.9	33.9	27.0
\$40,000—\$49,999 .....	450.3	668.4	7.4	10.3	58.2	61.9	43.6	42.4	31.7	25.9
\$50,000 and over .....	836.7	1,166.6	6.5	10.7	58.7	67.9	40.2	40.3	30.1	24.2
Do not know .....	530.2	(x)	3.6	(x)	53.2	(x)	51.3	(x)	35.0	(x)
Living arrangements:										
On campus .....	1,921.1	2,054.4	3.1	4.9	59.4	67.0	43.9	40.2	31.9	24.1
Off campus:										
With parents .....	1,190.9	922.5	12.5	16.0	49.7	53.8	61.3	56.0	39.8	37.9
Alone or with others .....	1,346.9	1,533.8	15.0	20.1	52.3	59.8	39.3	44.7	29.7	24.3
Earnings (dol.):										
Median annual earnings .....	(NA)	\$2,581	(NA)	\$7,228	(NA)	\$3,130	(NA)	\$2,206	(NA)	\$1,700
Median monthly discretionary income .....	\$102	\$103	\$191	\$139	\$105	\$105	\$96	\$99	\$94	\$102

NA Not available. X Not applicable. <sup>1</sup> Thirty or more hours per week. <sup>2</sup> Less than 30 hours per week.  
Source: Simmons Market Research Bureau, Inc., New York, NY, *National College Study*, 1983 and 1985. (Copyright.)

No. 243. JUNIOR (TWO-YEAR) COLLEGES—SUMMARY: 1970 TO 1985

[Institutions and their enrollment as of fall; financial data for fiscal year ending the following year. Prior to 1975, excludes two-year branches of universities and other four-year institutions. Beginning 1980, includes schools accredited by the National Association of Trade and Technical Schools. See *Historical Statistics, Colonial Times to 1970*, series H 690-692 and H 705, for related but not comparable data. See also Appendix III]

ITEM	Unit	1970	1975	1976	1980	1981	1983	1985	1984	1985
Institutions .....	Number .....	892	1,128	1,195	1,274	1,274	1,296	1,271	1,306	1,311
Public .....	Number .....	654	897	926	945	940	933	916	935	932
Private .....	Number .....	237	231	269	329	334	363	355	371	379
Enrollment .....	1,000 .....	2,223	3,970	4,217	4,526	4,716	4,772	4,723	4,531	4,531
Public .....	1,000 .....	2,102	3,636	4,057	4,329	4,481	4,520	4,459	4,279	4,270
Private .....	1,000 .....	121	134	160	198	236	252	264	252	261
Male .....	1,000 .....	1,317	2,165	1,922	2,047	2,124	2,170	2,131	2,017	2,002
Female .....	1,000 .....	906	1,805	2,295	2,479	2,592	2,602	2,592	2,514	2,529
Current funds revenue <sup>1</sup> .....	Mill. dol .....	2,504	5,304	7,507	8,505	9,294	9,876	10,590	11,449	} (NA)
Tuition and fees .....	Mill. dol .....	413	896	1,302	1,618	1,864	2,106	2,316	2,469	
State government .....	Mill. dol .....	916	2,248	3,635	3,981	4,269	4,467	4,773	5,189	
Local government .....	Mill. dol .....	700	1,187	1,188	1,623	1,482	1,585	1,706	1,890	
Current funds expenditures .....	Mill. dol .....	2,327	5,092	7,253	8,212	9,006	9,897	10,314	11,207	
Education and general <sup>2</sup> .....	Mill. dol .....	2,073	4,736	6,722	7,606	8,358	8,969	9,530	10,374	}
Instruction .....	Mill. dol .....	1,205	2,401	3,315	3,764	4,156	4,447	4,715	5,075	

NA Not available. <sup>1</sup> Includes items not shown separately. <sup>2</sup> Includes mandatory transfers.

Source: U.S. Dept of Education, Center for Education Statistics, *Digest of Education Statistics*, annual; and *Financial Statistics of Institutions of Higher Education*, annual.

# 14. INSTITUTIONS OF HIGHER EDUCATION—NUMBER, 1985, AND ENROLLMENT, 1980 AND 1985, SELECTED CHARACTERISTICS STATES, AND OTHER AREAS

of institutions for academic year beginning 1985. Opening fall enrollment of resident and extension students attending full- or part-time. Excludes students taking courses for credit by mail, radio, or TV, and students in branches of U.S. institutions located in foreign countries. See Appendix III for composition of regions, see fig. 1, inside front cover]

DIVISION AND STATE OR OTHER AREA	1980		Number of institutions <sup>1</sup>	1985							
	Total enrollment (1,000)	First-time freshmen (1,000)		Enrollment (1,000)							
	Total	Male	Female	Public	Private	Full-time	Part-time	First-time freshmen			
<b>States</b>	<b>12,087</b>	<b>2,586</b>	<b>3,340</b>	<b>12,247</b>	<b>5,818</b>	<b>6,429</b>	<b>9,479</b>	<b>2,768</b>	<b>7,075</b>	<b>6,173</b>	<b>2,282</b>
Ala.	2,587	522	529	2,617	1,215	1,402	1,499	1,118	1,611	1,008	479
Ala.	3,044	721	871	3,151	1,514	1,636	2,465	868	1,848	1,303	824
Ala.	3,437	740	1,059	3,630	1,703	1,927	2,993	837	2,167	1,483	706
Ala.	2,978	800	571	2,794	1,338	1,456	2,448	348	1,395	1,399	479
Ala.	788	198	282	788	381	408	388	388	476	310	163
Ala.	43	10	30	52	21	31	33	19	29	23	10
Ala.	47	12	26	52	25	26	27	26	36	17	12
Ala.	31	7	22	31	14	17	19	13	23	9	6
Ala.	418	80	121	421	198	225	188	238	282	180	80
Ala.	87	13	13	70	33	37	35	35	44	28	13
Ala.	180	35	48	159	72	87	99	61	83	78	32
Ala.	1,822	368	967	1,831	954	877	1,101	730	1,126	886	328
Ala.	992	183	301	1,000	456	544	583	437	828	372	188
Ala.	322	65	80	298	137	161	237	60	150	147	50
Ala.	508	109	208	533	261	272	301	233	357	176	107
Ala. Central	2,170	518	534	2,228	1,088	1,150	1,786	480	1,258	989	438
Ala.	489	111	142	515	259	256	379	136	310	205	106
Ala.	247	57	75	251	124	127	194	57	184	86	53
Ala.	644	148	182	679	315	364	520	158	335	343	118
Ala.	520	125	82	507	238	269	434	73	287	240	103
Ala.	269	75	83	275	133	142	239	38	181	94	57
Ala. Central	878	208	337	925	446	479	719	208	580	338	186
Ala.	207	43	60	221	104	117	174	47	142	80	46
Ala.	140	39	59	153	77	76	110	43	114	39	36
Ala.	234	50	82	241	117	124	189	72	143	88	40
Ala.	34	10	19	38	20	18	35	3	30	8	8
Ala.	33	8	18	33	15	18	23	9	24	9	7
Ala.	80	24	26	98	47	51	81	17	57	41	20
Ala.	137	30	52	141	66	75	127	14	81	60	28
Ala.	1,724	348	542	1,818	897	921	1,441	378	1,068	780	348
Ala.	33	8	8	32	14	18	28	4	20	12	7
Ala.	228	48	58	232	103	129	199	33	109	123	40
Ala. of Columbia	87	15	19	78	39	40	13	86	47	31	10
Ala.	281	41	72	292	132	161	251	42	165	126	47
Ala.	82	16	29	77	34	42	67	10	49	28	15
Ala.	288	70	126	327	148	179	267	60	198	129	76
Ala.	133	35	63	132	61	71	106	26	83	39	31
Ala.	184	35	80	197	94	103	149	48	133	84	38
Ala.	412	80	87	451	213	239	362	88	225	227	79
Ala. Central	814	146	245	817	388	429	599	169	429	184	127
Ala.	143	31	45	142	63	78	111	31	94	47	26
Ala.	205	45	80	195	91	103	148	47	129	66	34
Ala.	164	41	78	178	87	92	159	21	124	56	39
Ala.	102	24	42	101	48	55	91	10	77	25	27
Ala. Central	1,089	280	272	1,194	578	616	1,043	151	794	480	235
Ala.	78	19	38	78	35	43	66	12	55	23	18
Ala.	160	34	31	177	84	93	153	24	129	48	32
Ala.	180	33	47	188	82	87	147	22	96	73	31
Ala.	701	165	158	770	377	393	677	83	424	346	155
Ala.	858	180	185	887	342	355	619	84	388	312	131
Ala.	35	8	16	36	18	18	32	4	26	10	6
Ala.	43	11	10	43	21	22	34	9	28	14	10
Ala.	21	5	8	24	11	13	24	-	14	11	5
Ala.	163	29	48	161	79	82	142	19	102	58	25
Ala.	58	10	20	68	32	37	66	2	37	31	10
Ala.	203	61	31	217	105	112	202	15	86	121	47
Ala.	94	20	14	104	57	47	89	35	68	38	15
Ala.	41	8	8	44	20	24	43	(2)	13	31	12
Ala.	2,321	480	418	2,387	987	1,101	1,836	282	1,010	1,087	349
Ala.	304	25	53	332	168	124	202	30	148	85	26
Ala.	158	45	46	138	69	69	120	18	85	53	29
Ala.	1,781	380	280	1,850	784	866	1,444	208	741	909	285
Ala.	21	11	15	27	12	16	27	1	9	18	1
Ala.	47	9	12	50	24	26	43	7	29	21	8
Ala.	50	5	10	54	48	8	64	(x)	64	(2)	4
Ala.	131	36	41	156	82	94	56	88	125	30	35
Ala.	3	1	2	5	2	2	5	-	2	2	1
Ala.	2	(2)	1	3	1	2	3	-	1	2	(2)

represents zero. X Not applicable. Z Less than 500. <sup>1</sup> Branch campuses counted as separate institutions, except for academies.

Source: U.S. Dept. of Education, Center for Education Statistics, *Fall Enrollment in Higher Education, annual*; and *Education of the Nation, annual*.

## NO. 245. INSTITUTIONS OF HIGHER EDUCATION—FINANCES: 1975 TO 1985

(In millions of dollars. For fiscal years ending in year shown. For coverage, see headnote, table 235. See also Appendix and Historical Statistics, Colonial Times to 1970, series H 729-736 and H 747-749)

ITEM	1975	1980	1981	1982	1983	1984	1985		
							Total	Public	Private
<b>Current funds revenues</b>	<b>36,867</b>	<b>58,620</b>	<b>65,595</b>	<b>72,181</b>	<b>77,898</b>	<b>84,417</b>	<b>82,473</b>	<b>58,794</b>	<b>32</b>
Tuition and fees	7,233	11,930	13,773	15,774	17,776	19,715	21,284	8,648	12
Federal Government	4,991	7,772	8,479	8,320	8,181	8,793	11,509	6,310	5
State government	10,857	18,378	20,106	21,849	23,066	24,707	27,583	28,965	
Local government	1,424	1,588	1,791	1,938	2,031	2,192	2,387	2,179	
Endowment earnings	718	1,177	1,384	1,587	1,721	1,874	2,098	343	1
Private gifts, grants, and contracts <sup>1</sup>	1,745	2,808	3,177	3,584	4,063	4,415	4,898	1,848	2
Educational activities <sup>2</sup>	555	1,239	1,410	1,563	1,723	1,971	2,126	1,424	
Auxiliary enterprises	4,080	6,481	7,287	8,122	8,770	9,456	10,100	5,296	2
Other funds revenues <sup>3</sup>	4,083	7,146	8,198	9,446	10,275	11,304	10,490	5,752	4
<b>Plant funds<sup>4</sup></b>	<b>3,311</b>	<b>4,362</b>	<b>4,774</b>	<b>5,185</b>	<b>4,997</b>	<b>6,238</b>	<b>6,737</b>	<b>4,406</b>	<b>2</b>
Increase in fund balance	486	2,153	2,793	2,224	5,322	2,410	4,653	773	3
Endowment	229	1,874	2,483	2,030	4,875	2,148	4,302	894	3
Annuity and life income	28	64	56	49	177	89	153	9	
Loans	231	215	244	145	289	193	196	70	
<b>Current funds expenditures<sup>5</sup></b>	<b>36,058</b>	<b>58,914</b>	<b>64,063</b>	<b>70,339</b>	<b>75,938</b>	<b>81,993</b>	<b>89,951</b>	<b>58,316</b>	<b>31</b>
Educational and general	27,548	44,543	50,074	54,848	58,829	63,741	70,061	46,874	25
Instruction	11,798	18,487	20,733	22,963	24,673	26,436	28,777	20,287	6
Institutional support	3,057	5,054	5,773	6,471	6,951	7,783	8,568	5,192	3
Research	3,132	5,099	5,658	5,930	6,265	6,724	7,552	5,119	2
Plant operation <sup>7</sup>	2,787	4,700	5,360	5,979	6,392	6,730	7,348	5,041	2
Academic support	2,258	3,876	4,273	4,656	5,067	5,531	6,075	4,268	1
Libraries	1,002	1,824	1,769	1,922	2,040	2,231	2,361	1,557	
Student services	1,439	2,587	2,806	3,177	3,461	3,798	4,178	2,884	1
Scholarships and fellowships	1,450	2,200	2,505	2,885	2,923	3,302	3,871	1,375	2
Unrestricted funds	832	906	1,081	1,236	1,479	1,738	1,962	589	1
Restricted funds	818	1,286	1,424	1,449	1,444	1,563	1,709	806	
Public service	1,098	1,817	2,068	2,204	2,320	2,489	2,861	2,316	
Mandatory transfers	532	732	815	784	857	958	1,015	591	
Auxiliary enterprises <sup>8</sup>	4,074	6,486	7,288	7,996	8,814	9,250	10,012	6,432	2
Hospitals <sup>9</sup>	2,351	4,757	5,433	6,234	6,966	7,380	8,011	4,915	1
Independent operations <sup>10</sup>	1,087	1,128	1,258	1,259	1,406	1,622	1,866	95	1
<b>Gross addition to plant value<sup>11</sup></b>	<b>4,781</b>	<b>5,561</b>	<b>6,471</b>	<b>6,975</b>	<b>7,421</b>	<b>7,804</b>	<b>8,306</b>	<b>6,390</b>	<b>3</b>
Value of plant (grounds, buildings, equipment)	82,183	83,733	86,791	84,517	100,883	107,640	114,784	77,314	30
Endowment (book value) <sup>12</sup>	13,405	18,581	20,941	23,085	26,352	29,592	33,399	6,478	28

<sup>1</sup> Private grants represent nongovernmental revenue for sponsored research and other sponsored programs; includes pi contracts. <sup>2</sup> Sales and services of educational departments only. <sup>3</sup> Includes sales and services of hospitals, federally fu research and development centers, and other sources. <sup>4</sup> Annual net increases in plant funds. <sup>5</sup> 1983 data only. <sup>6</sup> Includes mandatory transfers which are primarily current expenditures for plant. <sup>7</sup> Includes maintenance. <sup>8</sup> Incl expenditures from current funds for plant expansion. <sup>9</sup> Includes funds functioning as endowment funds.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

## NO. 246. HIGHER EDUCATION PRICE INDEXES: 1965 TO 1985

(1967=100. For years ending June 30. Reflects prices paid by colleges and universities. For explanation of average annual percent change, see Guide to Tabular Presentation)

YEAR	Index, total	Average annual percent change <sup>1</sup>	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT					UN
			Total	Profes-sional salaries	Nonpro-fessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equip-ment	Books, period-icals	
1965	91	4.3	89	89	94	78	88	85	98	85	91	
1970	121	5.8	124	121	118	146	111	113	108	111	121	
1972	136	5.8	136	133	136	180	128	120	113	119	164	
1973	143	5.3	148	138	144	198	132	132	116	123	177	
1974	153	7.1	155	145	153	222	145	138	132	131	195	
1975	166	8.6	166	154	166	241	169	150	164	154	220	
1976	177	6.6	176	162	179	267	180	157	172	163	252	
1977	189	6.5	187	169	192	295	195	167	181	172	288	
1978	201	6.7	199	173	207	324	209	178	188	183	286	
1979	217	7.7	215	189	223	367	226	187	203	198	316	
1980	238	9.9	232	202	243	409	261	202	239	218	364	
1981	264	10.7	255	220	266	460	299	225	270	237	400	
1982	280	10.0	279	239	267	526	332	251	284	266	443	
1983	300	8.3	298	255	303	569	350	265	283	265	470	
1984	325	8.4	318	267	319	633	380	277	292	270	487	
1985	347	8.7	341	284	331	727	371	289	298	277	506	
1986	363	4.4	360	301	343	771	370	303	295	283	524	

<sup>1</sup> Change from immediate prior year

Source: U.S. National Institute of Education, *Inflation Measures for Schools and Colleges*, 1983; beginning 1983, Res Associates of Washington, Washington, DC, *Higher Education Prices and Price Indexes*, annual.

I. 247. FINANCES OF PUBLIC INSTITUTIONS OF HIGHER EDUCATION, 1986 AND 1987, AND BY STATE, 1987

academic years ending in year shown. Data provided by the State higher education finance officers, except as indicated

AND ITE	FTE 1 enroll- ment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS 2		NET TUITION REVENUES 3		STATE	FTE 1 enroll- ment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS 2		NET TUITION REVENUES 3	
		Total (mil. dol.)	Per FTE 1 student (dol.)	Total (mil. dol.)	Per FTE 1 student (dol.)			Total (mil. dol.)	Per FTE 1 student (dol.)	Total (mil. dol.)	Per FTE 1 student (dol.)
1986	6,900.6	25,424.9	3,705	7,706.4	1,116	MS	84.7	227.4	2,884	111.3	1,314
1987	7,081.4	27,337.7	3,871	8,216.1	1,163	MO	129.7	435.5	3,358	175.8	1,358
						MT	28.9	89.5	3,323	25.0	888
	139.3	418.5	3,005	143.0	1,027	NE	58.8	148.3	2,828	63.0	1,108
	14.2	138.2	9,743	17.8	1,255	NV	21.5	88.5	4,122	23.2	1,080
	119.1	433.5	3,638	110.7	929	NH	21.4	52.7	2,484	67.8	1,170
	58.8	185.2	3,138	59.7	1,051	NJ	148.1	754.4	5,183	245.1	1,877
	988.3	4,519.1	4,587	481.5	487	NM	48.2	188.0	4,129	34.9	724
	114.1	305.0	2,673	208.4	1,836	NY	421.7	2,487.8	5,852	442.1	1,048
	58.7	302.7	5,158	82.2	1,387	NC	238.4	919.5	3,841	148.9	814
	21.4	82.2	4,314	82.5	2,824	ND	30.4	95.5	3,145	37.5	1,235
	7.8	87.7	8,719	5.3	811	OH	310.8	982.8	3,184	538.2	1,725
	288.4	838.2	3,147	207.8	779	OK	115.1	287.8	2,586	73.7	840
						OR	93.2	328.9	1,531	112.8	1,211
	128.5	554.9	4,387	183.0	1,288	PA	251.5	982.1	3,825	586.4	2,371
	28.3	223.0	7,876	18.0	636	RI	27.4	108.7	1,883	43.8	1,588
	31.0	123.0	3,974	18.9	611	SC	80.3	382.3	4,508	123.8	1,541
	350.8	1,251.1	3,587	296.7	846	SD	17.8	46.3	2,801	20.7	1,183
	152.0	547.4	3,601	287.0	1,757	TN	113.3	504.5	4,453	155.9	1,376
	85.0	338.2	3,581	148.5	1,574	TX	523.0	1,585.1	3,031	429.5	821
	92.0	288.3	3,253	102.8	1,115	UT	55.6	215.2	1,867	58.9	1,078
	81.0	328.8	3,811	110.0	1,308	VT	14.2	29.2	2,083	85.4	4,822
	117.9	348.6	2,858	185.5	1,403	VA	184.2	878.3	3,672	273.2	1,483
	28.2	118.0	4,487	38.9	1,521	WA	150.4	533.9	3,550	153.5	1,021
	142.9	488.5	3,485	208.7	1,480	WV	52.3	153.7	2,826	98.8	1,143
	124.8	820.0	4,878	178.2	1,431	WI	188.7	880.8	3,838	294.0	1,558
	321.1	1,188.1	3,631	833.8	1,888	WY	17.0	116.0	6,828	13.5	784
	180.4	818.0	3,854	184.1	1,148						

Line equivalent (FTE). Credit and non-credit program enrollment including summer session. Excludes medical enrollment and local appropriations. Includes aid to students attending in-State public institutions. Excludes sums for research, agriculture and cooperative extension, and hospitals and medical schools. 2 Excludes appropriated aid to students attending in-State institutions. 3 Estimated by collecting agency

Source: Research Associates of Washington, Washington, DC. State Profiles: Financing Public Higher Education, annual

3. 248. MAJOR FEDERAL STUDENT FINANCIAL ASSISTANCE PROGRAMS—TYPE OF PROGRAM, NUMBER OF RECIPIENTS, AND FUNDS UTILIZED: 1970 TO 1987

ward years July 1 of year shown to the following June 30. For information on various programs, see source. Funds utilized exclude operating costs, etc., and represent funds given to students

PROGRAM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986, per	1987, per
<b>Basic</b>											
no. of recipients	1,000	(X)	1,218	2,858	2,779	2,808	2,848	2,830	2,910	2,848	2,833
\$ utilized	mil. dol.	(X)	925	2,387	2,296	2,425	2,782	3,035	3,588	2,882	3,847
avg grant	Dollars	(X)	78*	835	826	830	980	1,073	1,238	1,360	1,362
<b>National Educational Opportunity Grants 1</b>											
no. of recipients	1,000	253.4	380.0	744.5	688.9	640.7	648.8	652.0	720.0	688.0	720.0
\$ utilized	mil. dol.	134	20*	388	382	343	361	374	388	378	388
avg grant	Dollars	527	513	513	549	535	557	573	580	580	580
<b>Direct Student Loans</b>											
no. of recipients	1,000	452.0	880.0	813.4	884.1	874.9	718.6	687.2	656.8	688.0	644.2
\$ utilized	mil. dol.	241	480	884	840	597	682	677	732	828	877
avg loan	Dollars	532	547	853	848	684	945	971	925	925	925
\$ in default 2	mil. dol.	NA	NA	808*	640*	575.2	588.0	900*	NA	NA	NA
def. rate 3	Percent	NA	NA	90.9	75.8	84.2	83.3	83.3	NA	NA	NA
<b>Work-Study</b>											
no. of recipients	1,000	425.0	570.0	819.0	738.4	720.0	770.8	735.5	788.8	752.0	788.8
\$ utilized	mil. dol.	200	295	680	824	615	684	645	682	682	682
avg annual earnings	Dollars	470	518	830	844	844	888	877	880	880	880
<b>Seed Student Loans 4</b>											
no. of loans	1,000	1,017	823	2,864	1,146	1,022	1,268	1,722	1,728	1,580	2,844
\$ utilized	mil. dol.	1,015	1,285	6,200	7,228	6,884	7,578	8,808	9,830	8,834	8,538
avg loan	Dollars	898	1,561	2,135	2,213	2,215	2,111	2,111	2,388	2,488	2,488
\$ in default	mil. dol.	NA	NA	1,884	1,884	2,515	1,111	422*	NA	NA	NA
def. rate 5	Percent	NA	NA	97	87	83	51	51	NA	NA	NA

Not available. X Not applicable. \* For 1970 data represents Educational Opportunity Grants Program. 1 National Educational Opportunity Grants. 2 Loans in default represents all loans in institutions portfolio. 3 Beginning with 1980, data include activity under the PLUS Program (includes the following eligible borrowers: Parents of dependent undergraduates, independent undergraduates, and graduate professional students). 4 Represents dollar amount of commitment. 5 Cumulative dollar amount of default loans to under. minus cumulative collections as a percent of cumulative \$ loans.

Source: U.S. Dept. of Education, Office of Postsecondary Education, unpublished data.



No. 245. INSTITUTIONS OF HIGHER EDUCATION—FINANCES: 1975 TO 1985

[In millions of dollars. For fiscal years ending in year shown. For coverage, see headnote, table 235. See also Appendix III and Historical Statistics, Colonial Times to 1970, series H 729-738 and H 747-749]

ITEM	1976	1986	1981	1982	1983	1984	1985		
							Total	Public	Private
Current funds revenues .....	35,687	58,520	65,585	72,191	77,596	84,417	92,473	58,794	32,679
Tuition and fees .....	7,233	11,930	13,773	15,774	17,776	19,715	21,284	6,648	12,636
Federal Government .....	4,991	7,772	8,479	8,320	6,161	8,783	11,509	6,310	5,199
State government .....	10,857	18,378	20,106	21,849	23,066	24,707	27,583	26,985	618
Local government .....	1,424	1,588	1,791	1,938	2,031	2,192	2,367	2,179	206
Endowment earnings .....	716	1,177	1,364	1,597	1,721	1,674	2,096	343	1,753
Private gifts, grants, and contracts <sup>1</sup> .....	1,745	2,808	3,177	3,564	4,053	4,415	4,896	1,846	3,050
Educational activities <sup>2</sup> .....	555	1,239	1,410	1,583	1,723	1,971	2,128	1,424	702
Auxiliary enterprises .....	4,080	6,481	7,287	8,122	8,770	9,456	10,100	6,296	3,804
Other funds revenues <sup>3</sup> .....	4,083	7,146	8,198	9,448	10,275	11,304	10,490	5,782	4,706
Plant funds <sup>4</sup> .....	3,311	4,382	4,774	5,185	<sup>5</sup> 4,997	6,236	6,737	4,406	2,331
Increase in fund balance .....	486	2,153	2,793	2,224	<sup>5</sup> 5,322	2,410	4,653	773	3,879
Endowment .....	229	1,874	2,493	2,030	<sup>5</sup> 4,675	2,146	4,302	694	3,607
Annuity and life income .....	26	64	58	49	<sup>5</sup> 177	69	153	9	144
Loans .....	231	215	244	145	<sup>5</sup> 269	193	198	70	126
Current funds expenditures <sup>6</sup> .....	35,058	56,914	64,053	70,339	75,936	81,993	88,951	58,315	31,637
Educational and general .....	27,548	44,543	50,074	54,849	58,929	63,741	70,061	46,874	23,196
Instruction .....	11,798	18,497	20,733	22,963	24,673	26,436	28,777	20,267	8,490
Institutional support .....	3,057	5,054	5,773	6,471	6,951	7,783	8,588	5,192	3,398
Research .....	3,132	5,099	5,658	5,930	6,265	6,724	7,552	5,119	2,433
Plant operation <sup>7</sup> .....	2,787	4,700	5,350	5,979	6,392	6,730	7,346	5,041	2,305
Academic support .....	2,256	3,876	4,273	4,656	5,067	5,531	6,075	4,266	1,807
Libraries .....	1,002	1,624	1,759	1,922	2,040	2,231	2,361	1,557	804
Student services .....	1,439	2,567	2,909	3,177	3,461	3,798	4,178	2,684	1,494
Scholarships and fellowships .....	1,450	2,200	2,505	2,685	2,923	3,302	3,671	1,375	2,296
Unrestricted funds .....	632	905	1,061	1,236	1,479	1,738	1,962	569	1,383
Restricted funds .....	816	1,296	1,424	1,449	1,444	1,563	1,709	806	903
Public service .....	1,096	1,817	2,058	2,204	2,320	2,499	2,861	2,316	546
Mandatory transfers .....	532	732	815	764	857	958	1,015	591	424
Auxiliary enterprises <sup>8</sup> .....	4,074	6,486	7,288	7,998	8,614	9,250	10,012	6,432	3,581
Hospitals <sup>9</sup> .....	2,351	4,757	5,433	6,234	6,966	7,380	6,011	4,915	3,086
Independent operations <sup>9</sup> .....	1,087	1,126	1,258	1,259	1,406	1,622	1,868	95	1,773
Gross addition to plant value <sup>6</sup> .....	4,751	5,551	6,471	6,975	7,421	7,604	8,306	5,390	2,916
Value of plant (grounds, buildings, equipment)....	62,183	83,733	88,761	94,517	100,993	107,640	114,764	77,314	37,489
Endowment (book value) <sup>9</sup> .....	13,403	18,561	20,941	23,085	26,352	29,502	33,389	6,478	28,921

<sup>1</sup> Private grants represent nongovernmental revenue for sponsored research and other sponsored programs; includes private contracts. <sup>2</sup> Sales and services of educational departments only. <sup>3</sup> Includes sales and services of hospitals, federally funded research and development centers, and other sources. <sup>4</sup> Annual net increase in plant funds. <sup>5</sup> 1983 data estimated. <sup>6</sup> Includes mandatory transfers which are primarily current expenditures for plant. <sup>7</sup> Includes maintenance. <sup>8</sup> Includes expenditures from current funds for plant expansion. <sup>9</sup> Includes funds functioning as endowment funds.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 246. HIGHER EDUCATION PRICE INDEXES: 1965 TO 1986

[1967 = 100. For years ending June 30. Reflects prices paid by colleges and universities. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change <sup>1</sup>	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT					
			Total	Professional salaries	Nonprofessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equipment	Books, periodicals	Utilities
1965 .....	91	4.3	89	89	94	78	96	95	96	95	91	100
1970 .....	121	5.9	124	121	118	146	111	113	106	111	121	104
1972 .....	136	5.6	138	133	136	180	126	128	113	119	164	122
1973 .....	143	5.3	146	138	144	198	132	132	116	123	177	129
1974 .....	153	7.1	155	145	153	222	145	138	132	131	195	158
1975 .....	166	8.6	166	154	166	241	169	150	164	154	220	203
1976 .....	177	6.6	176	162	179	267	180	157	172	163	252	219
1977 .....	189	6.5	187	169	192	295	195	167	181	172	268	258
1978 .....	201	6.7	199	173	207	324	209	176	188	183	286	289
1979 .....	217	7.7	215	189	223	367	226	187	203	198	316	321
1980 .....	238	9.9	232	202	243	409	261	202	239	216	364	409
1981 .....	264	10.7	255	220	266	460	299	225	270	237	400	508
1982 .....	290	10.0	279	239	287	528	332	251	284	255	443	508
1983 .....	309	6.3	298	255	303	569	350	265	283	265	470	636
1984 .....	325	5.4	316	267	319	633	360	277	292	270	467	643
1985 .....	347	6.7	341	284	331	727	371	289	298	277	505	657
1986 .....	363	4.4	360	301	343	771	370	303	295	283	524	699

<sup>1</sup> Change from immediate prior year.

Source: U.S. National Institute of Education, *Inflation Measures for Schools and Colleges*, 1983; beginning 1963, Research Associates of Washington, Washington, DC, *Higher Education Prices and Price Indexes*, annual.



2. 247. FINANCES OF PUBLIC INSTITUTIONS OF HIGHER EDUCATION, 1986 AND 1987, AND BY STATE, 1987

academic years ending in year shown. Data provided by the State higher education finance officers, except as indicated

STATE	FTE enrollment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS <sup>1</sup>		NET TUITION REVENUES <sup>2</sup>		STATE	FTE enrollment (1,000)	APPROPRIATIONS FOR CURRENT OPERATIONS <sup>1</sup>		NET TUITION REVENUES <sup>2</sup>	
		Total (mil. dol.)	Per FTE student (dol.)	Total (mil. dol.)	Per FTE student (dol.)			Total (mil. dol.)	Per FTE student (dol.)	Total (mil. dol.)	Per FTE student (dol.)
1986	8,980.6	26,424.9	3,786	7,769.4	1,116	MS.	84.7	227.4	2,684	111.3	1,314
1987	7,081.4	27,237.7	3,871	8,216.1	1,163	MO.	129.7	435.5	3,350	175.8	1,356
	139.3	418.5	3,005	143.0	1,027	MT.	28.9	89.5	3,323	25.0	828
	14.2	138.2	9,743	17.8	1,255	NE.	58.6	149.3	2,828	63.0	1,109
	119.1	433.5	3,638	110.7	929	NV.	21.8	88.5	4,122	23.2	1,080
	56.8	185.2	3,438	59.7	1,051	NH.	21.4	52.7	2,404	67.8	3,170
	988.3	4,519.1	4,667	481.5	497	NJ.	148.1	754.4	5,183	245.1	1,877
	114.1	306.0	2,673	208.4	1,826	NM.	48.2	199.0	4,129	34.9	724
	58.7	302.7	5,158	80.2	1,367	NY.	421.7	2,467.8	5,852	442.1	1,048
	21.4	92.2	4,314	62.5	2,924	NC.	238.4	919.5	3,841	148.9	814
	7.8	67.7	8,719	6.3	811	ND.	30.4	85.5	3,145	37.5	1,235
	206.4	636.2	3,147	207.8	779	OH.	310.8	992.8	3,194	536.2	1,725
						OK.	115.1	297.6	2,586	73.7	640
	126.5	554.8	4,387	163.0	1,269	OR.	93.2	328.9	5,531	112.8	1,211
	28.3	223.0	7,876	18.0	636	PA.	251.5	982.1	3,825	506.4	2,371
	31.0	123.0	3,974	18.9	611	RI.	27.4	108.7	3,893	43.8	1,598
	350.8	1,251.1	3,567	298.7	846	SC.	80.3	382.3	4,508	123.8	1,541
	152.0	547.4	3,601	267.0	1,757	SD.	17.8	46.3	2,601	20.7	1,183
	95.0	338.3	3,561	148.5	1,574	TN.	113.3	504.5	4,453	155.9	1,376
	92.0	289.3	3,253	102.6	1,115	TX.	523.0	1,585.1	3,031	429.5	821
	91.0	328.6	3,611	110.0	1,209	UT.	55.6	215.2	3,867	59.9	1,076
	117.9	348.6	2,956	165.5	1,403	VT.	14.2	29.2	2,063	65.4	4,822
	26.2	118.0	4,497	39.9	1,521	VA.	184.2	676.3	3,672	273.2	1,463
	142.9	486.5	3,486	208.7	1,460	WA.	150.4	533.9	3,550	163.5	1,021
	124.8	620.0	4,979	178.2	1,431	WV.	52.3	153.1	2,926	59.8	1,143
	321.1	1,186.1	3,631	603.6	1,860	WI.	188.7	680.8	3,809	294.0	1,586
	160.4	618.0	3,864	184.1	1,148	WY.	17.0	116.0	6,828	13.5	794

<sup>1</sup> Full-time equivalent (FTE). Credit and non-credit program enrollment including summer session. Excludes medical enrollments, in-state and local appropriations. Includes aid to students attending in-State public institutions. Excludes sums for research, agriculture and cooperative extension, and hospitals and medical schools. <sup>2</sup> Excludes appropriated aid to students attending in-State public institutions. <sup>3</sup> Estimated by collecting agency.

Source: Research Associates of Washington, Washington, DC, State Profiles: Financing Public Higher Education, annual.

2. 248. MAJOR FEDERAL STUDENT FINANCIAL ASSISTANCE PROGRAMS—TYPE OF PROGRAM, NUMBER OF RECIPIENTS, AND FUNDS UTILIZED: 1970 TO 1987

calendar years July 1 of year shown to the following June 30. For information on various programs, see source. Funds utilized exclude operating costs, etc., and represent funds given to students

PROGRAM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986, pref.	1987, proj.
Basic:											
Number of recipients	1,000	(x)	1,218	2,856	2,779	2,808	2,849	2,830	2,910	2,846	2,833
Funds utilized	Mil. dol.	(x)	925	2,387	2,295	2,425	2,792	3,035	3,586	2,883	3,647
Per recipient	Dollars	(x)	761	835	826	830	880	1,073	1,236	1,080	1,312
Work-Study:											
Number of recipients	1,000	253.4	380.0	716.5	658.9	640.7	648.6	652.0	720.0	689.0	720.0
Funds utilized	Mil. dol.	134	201	368	382	343	361	374	386	379	386
Per recipient	Dollars	527	513	513	549	535	557	573	550	560	550
Direct Student Loans:											
Number of recipients	1,000	452.0	690.0	813.4	884.1	874.9	718.6	697.2	858.6	896.0	944.0
Funds utilized	Mil. dol.	241	480	694	580	597	682	677	792	829	873
Per recipient	Dollars	532	697	853	648	684	949	971	925	925	925
In default	Mil. dol.	(NA)	(NA)	808.1	844.1	875.2	888.0	890.1	(NA)	(NA)	(NA)
Default rate	Percent	(NA)	(NA)	11.9	11.1	10.5	9.5	8.3	(NA)	(NA)	(NA)
Work-Study:											
Number of recipients	1,000	425.0	570.0	819.1	738.4	720.1	771.8	735.5	786.6	752.7	786.6
Funds utilized	Mil. dol.	200	295	680	624	615	684	645	682	682	682
Per recipient	Dollars	470	518	808	844	854	886	877	880	880	880
Direct Student Loans:											
Number of recipients	1,000	1,017	923	2,804	3,165	3,022	3,266	3,722	3,728	3,580	3,644
Funds utilized	Mil. dol.	1,015	1,267	6,200	7,226	6,894	7,578	8,806	8,831	8,834	9,526
Per recipient	Dollars	998	1,373	2,135	2,213	2,215	2,319	2,313	2,369	2,468	2,478
In default	Mil. dol.	(NA)	(NA)	1,884	1,984	2,515	3,191	4,227	(NA)	(NA)	(NA)
Default rate	Percent	(NA)	(NA)	9.7	8.7	8.3	8.3	8.9	(NA)	(NA)	(NA)

Not available. X Not applicable. <sup>1</sup> For 1970, data represents Educational Opportunity Grants Program. <sup>2</sup> Institutional matching funds. <sup>3</sup> Loans in default represents all loans in institutions' portfolio. <sup>4</sup> Beginning with 1981, include activity under the PLUS Program (includes the following eligible borrowers: Parents of dependent undergraduate students, independent undergraduate students, and graduate professional students). <sup>5</sup> Represents dollar amount of commitment. <sup>6</sup> Cumulative dollar amount of default claims to lenders, minus cumulative collections as a percent of cumulative of loans.

Source: U.S. Dept. of Education, Office of Postsecondary Education, unpublished data.

## NO. 249. INSTITUTIONS OF HIGHER EDUCATION—CHARGES: 1970 TO 1987

(In dollars. Estimated. Data are for the entire academic year ending in year shown. Figures for 1970 are average charges for full-time resident degree-credit students; figures for later years are average charges per full-time equivalent student. Room and board are based on full-time students)

ACADEMIC CONTROL AND YEAR	TUITION AND REQUIRED FEES				BOARD RATES				DORMITORY CHARGES			
	All institutions	2-yr colleges	4-yr universities	Other 4-yr schools	All institutions	2-yr colleges	4-yr universities	Other 4-yr schools	All institutions	2-yr colleges	4-yr universities	Other 4-yr schools
<b>Public:</b>												
1970	323	178	427	306	511	486	540	483	369	308	365	346
1975	432	277	599	448	625	636	634	613	506	424	527	497
1980	563	355	840	662	867	894	896	833	715	572	749	703
1982	721	432	1,042	813	1,038	1,066	1,067	1,003	909	697	970	885
1983	798	473	1,164	836	1,136	1,162	1,167	1,103	1,010	755	1,072	993
1984	891	528	1,284	1,052	1,178	1,205	1,213	1,141	1,067	801	1,131	1,062
1985	971	584	1,386	1,117	1,241	1,302	1,276	1,201	1,162	1,302	1,276	1,201
1986, est.	1,040	620	1,510	1,200	1,290	1,370	1,310	1,240	1,300	1,010	1,336	1,310
1987, est.	1,100	650	1,590	1,270	1,360	1,450	1,380	1,300	1,360	1,060	1,400	1,370
<b>Private:</b>												
1970	1,533	1,034	1,809	1,468	561	546	608	543	436	413	503	409
1975	2,117	1,367	2,814	1,954	700	680	771	686	586	564	691	536
1980	3,130	2,062	3,811	3,020	955	924	1,076	911	827	768	999	766
1982	3,972	2,697	4,867	3,855	1,175	1,118	1,326	1,124	1,037	1,026	1,226	970
1983	4,439	3,006	5,583	4,329	1,300	1,179	1,501	1,234	1,181	1,177	1,453	1,063
1984	4,851	3,069	6,217	4,726	1,380	1,219	1,556	1,327	1,278	1,253	1,531	1,191
1985	5,314	3,485	6,843	5,135	1,462	1,294	1,647	1,405	1,426	1,424	1,753	1,309
1986, est.	5,750	3,760	7,450	5,550	1,540	1,340	1,720	1,490	1,540	1,340	1,720	1,490
1987, est.	6,230	4,060	8,060	6,000	1,600	1,400	1,780	1,550	1,640	1,600	2,020	1,520

Source: U.S. Department of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

## NO. 250. VOLUNTARY FINANCIAL SUPPORT OF HIGHER EDUCATION: 1970 TO 1986

(For school years ending in years shown; enrollment as of fall of preceding year. Voluntary support, as defined in *GM Reporting Standards*, excludes income from endowment and other invested funds as well as all support received from Federal, State, and local governments and their agencies)

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Estimated support, total <sup>1</sup>	Mill. dol.	1,780	2,180	3,806	4,230	4,960	5,460	5,566	6,520	7,466
Foundations	Mill. dol.	484	497	903	922	1,003	1,018	1,081	1,175	1,309
Individuals	Mill. dol.	822	1,002	1,757	2,068	2,337	2,427	2,621	2,876	3,606
Alumni	Mill. dol.	381	486	610	1,048	1,240	1,237	1,305	1,460	1,825
Business corporations	Mill. dol.	269	357	596	778	976	1,112	1,271	1,574	1,702
Religious denominations	Mill. dol.	102	112	165	140	175	206	190	208	211
Current operations	Mill. dol.	951	1,370	2,250	2,560	2,870	3,125	3,405	3,800	4,082
Capital purposes	Mill. dol.	829	790	1,550	1,640	1,990	2,035	2,185	2,520	3,279
Enrollment, higher education	1,000	8,094	10,224	11,570	12,097	12,372	12,426	12,466	12,242	12,267
Support per student	Dollars	220	211	328	350	393	415	449	516	604
In 1967 dollars	Dollars	194	137	142	135	140	141	147	183	186
Expenditures, higher education	Bill. dol.	24.7	38.9	62.5	70.5	77.3	83.3	89.6	96.3	106.4
Expenditures per student	Dollars	3,052	3,805	5,402	5,828	6,246	6,704	7,189	8,030	8,808
In 1967 dollars	Dollars	2,696	2,460	2,327	2,245	2,226	2,262	2,356	2,536	2,651
Institutions reporting support	Number	1,045	986	1,019	928	1,101	1,137	1,118	1,114	1,194
Total support reported	Mill. dol.	1,472	1,675	3,055	3,318	4,066	4,366	4,696	5,296	6,322
Private 4-year institutions	Mill. dol.	1,154	1,227	2,178	2,367	2,835	2,866	3,146	3,522	4,164
Public 4-year institutions	Mill. dol.	292	431	856	929	1,217	1,362	1,504	1,729	2,104
Two-year colleges	Mill. dol.	26	17	20	21	34	38	35	45	64

<sup>1</sup> Includes other contributions not shown separately.

Source: Council for Financial Aid to Education, New York, NY, *Voluntary Support of Education*, annual.

## NO. 251. INSTITUTIONS OF HIGHER EDUCATION—AVERAGE SALARIES AND FRINGE BENEFITS FOR FACULTY MEMBERS, BY TYPE OF CONTROL: 1970 TO 1987

(In thousands of dollars. For academic year ending in year shown. Figures are for 9 months teaching for full-time faculty members in four-year colleges and universities)

TYPE OF CONTROL AND ACADEMIC RANK	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986	1987
<b>AVERAGE SALARIES</b>												
<b>Public: All ranks</b>	13.1	16.8	19.3	20.5	22.1	23.9	26.2	28.6	29.4	31.2	33.4	35.5
Professor	17.3	21.7	25.4	26.8	28.8	31.0	33.7	36.0	37.1	39.6	42.3	45.2
Associate professor	13.2	16.7	19.5	20.5	21.9	23.4	25.7	27.5	28.4	30.2	32.2	34.3
Assistant professor	10.9	13.7	16.0	16.8	18.0	19.2	21.2	22.6	23.5	25.0	26.7	28.5
Instructor	9.1	11.2	13.1	13.9	14.6	15.1	16.7	17.7	19.1	19.5	20.9	21.8
<b>Private: All ranks</b>	13.1	16.8	19.4	21.2	22.1	24.4	26.6	29.2	31.1	33.0	35.4	37.8
Professor	17.8	22.4	26.2	28.1	30.1	32.7	35.6	38.8	41.5	44.1	47.0	50.2
Associate professor	12.6	16.0	18.7	19.8	21.0	23.1	25.4	27.5	29.4	30.9	32.9	34.5
Assistant professor	10.3	13.0	15.1	16.0	17.0	18.4	20.4	22.1	23.7	25.0	26.8	28.3
Instructor	8.6	10.6	12.1	13.2	13.3	14.4	15.9	17.6	18.4	19.0	19.8	20.7
<b>AVERAGE FRINGE BENEFITS</b>												
<b>All ranks combined:</b>												
Public	1.9	2.6	3.0	3.4	3.8	4.7	5.1	5.4	6.0	7.5	7.3	7.7
Private	2.2	2.6	2.3	3.6	4.1	4.6	5.4	6.7	6.4	7.2	8.0	8.6

<sup>1</sup> Excludes church-related colleges and universities.

Source: *Marjorie Eymann Associates*, McLean, VA. Data derived from the American Association of University Professors, Washington, DC, *Annual Report on the Economic Status of the Profession*.

### 252. INSTITUTIONS OF HIGHER EDUCATION—TENURE STATUS OF FULL-TIME FACULTY, BY TYPE OF INSTITUTION AND RANK OF FACULTY: 1986

[Data are for those institutions of higher education reporting tenure status. Excludes schools with no tenure]

OF INSTITUTION AND STATUS	TYPE OF INSTITUTION				RANK OF FACULTY				
	Total <sup>1</sup>	Univer-	Other 4-yr. colleges	2-yr colleges	Profes- sor	Associ- ate professor	Assistant professor	Instruc- tor	Lecturer
<b>PUBLIC</b>									
faculty.....	286,070	90,328	114,479	61,265	63,476	67,841	58,838	18,142	5,886
tenure.....	183,432	61,512	75,529	48,387	60,536	57,986	17,165	2,438	619
percent.....	64.1	68.1	66.0	77.7	95.5	85.4	29.1	13.4	10.9
<b>PRIVATE</b>									
faculty.....	92,882	30,051	61,278	1,353	30,744	26,237	20,357	6,314	1,249
tenure.....	53,351	18,940	33,758	855	28,849	19,375	4,214	188	29
percent.....	57.6	63.0	55.1	63.4	93.8	73.8	16.0	2.7	2.1

Includes instructional faculty with no academic rank, not shown separately.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

### NO. 253. MONTHLY SALARY OFFERS TO CANDIDATES FOR DEGREES BY FIELD OF STUDY: 1980 TO 1986

Dollars. Data are average beginning salaries based on offers made by business, industrial, government, and nonprofit and educational employers to graduating students. Data from representative colleges throughout U.S.]

FIELD OF STUDY	BACHELOR'S				MASTER'S <sup>1</sup>				DOCTOR'S			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
all.....	1,293	1,827	1,897	1,768	1,517	1,933	2,005	2,132	(NA)	(NA)	(NA)	(NA)
in general <sup>2</sup> .....	1,218	1,556	1,636	1,638	1,795	2,375	2,382	2,529	(NA)	(NA)	(NA)	(NA)
eng.....	1,145	1,485	1,548	1,808	1,794	2,279	2,454	2,337	(NA)	(NA)	(NA)	(NA)
.....	1,554	1,867	1,969	2,011	1,753	2,227	2,363	2,391	2,089	3,108	2,507	2,892
ical.....	1,801	2,285	2,369	2,438	1,947	2,557	2,596	2,678	2,452	3,239	3,406	3,567
ical <sup>3</sup> .....	1,690	2,213	2,283	2,364	1,912	2,584	2,727	2,651	2,534	3,430	3,542	3,645
ical.....	1,703	2,190	2,259	2,322	1,893	2,524	2,821	2,740	2,426	3,199	3,189	3,436
er <sup>4</sup> .....	1,888	2,189	2,283	2,308	1,831	2,471	2,582	2,933	(NA)	(NA)	(NA)	(NA)
stem.....	1,987	2,464	2,583	2,750	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
neering technology.....	1,585	2,078	2,137	2,183	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
phy.....	1,459	1,756	1,867	1,948	1,888	2,228	2,177	2,333	2,281	2,980	3,032	3,119
ysics.....	1,475	1,950	2,047	2,037	1,865	2,397	2,337	2,548	2,189	2,963	2,977	3,292
.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2,303	3,201	3,176	3,527
.....	1,074	1,477	1,451	1,808	1,309	1,581	1,514	1,624	(NA)	(NA)	(NA)	(NA)
sciences <sup>5</sup> .....	1,072	1,452	1,545	1,865	1,298	1,648	1,771	1,754	(NA)	(NA)	(NA)	(NA)
for science.....	1,558	2,046	2,082	2,216	1,858	2,505	2,584	2,777	(NA)	(NA)	(NA)	(NA)

Not available. <sup>1</sup> Candidates with 1 year or less of full-time nonmilitary employment. <sup>2</sup> For master's degree, offers are on technical undergraduate degrees. <sup>3</sup> Includes distribution. <sup>4</sup> Includes computer engineering. <sup>5</sup> Includes engineering physics. <sup>6</sup> Excludes economics.

Source: College Placement Council, Inc., Bethlehem, PA, *A Study of Beginning Offers*, annual. (Copyright.)

### NO. 254. EARNED DEGREES CONFERRED, BY LEVEL OF DEGREE: 1950 TO 1985

In thousands, except percent. Except as noted, includes Puerto Rico; beginning 1980 includes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series H 751-763, for similar data. See also Appendix III.]

YEAR	TOTAL		BACHELOR'S <sup>1</sup>		MASTER'S		DOCTORATES		PERCENT OF TOTAL		
	Number	Percent male	Male	Female	Male	Female	Male	Female	Bachelor's <sup>1</sup>	Master's	Doctorates
.....	499	75.6	330	104	41	17	6.0	.6	87.0	11.7	1.3
.....	354	85.0	164	104	39	19	8.0	.6	81.1	16.4	2.5
.....	479	86.8	256	139	51	24	8.8	1.0	82.4	15.5	2.1
.....	588	81.5	320	219	76	36	14.7	1.8	80.7	16.8	2.5
.....	1,073	58.6	487	346	126	83	25.9	4.0	77.7	19.5	2.8
.....	1,321	58.0	580	429	159	120	27.4	8.5	78.4	21.1	2.6
.....	1,316	56.8	588	430	162	132	28.8	7.3	75.1	22.3	2.6
.....	1,345	56.2	562	436	168	145	26.3	7.8	74.2	23.3	2.5
.....	1,344	55.4	552	441	168	150	25.2	6.1	73.9	23.7	2.6
.....	1,342	54.3	544	454	162	151	23.7	6.5	74.3	23.3	2.4
.....	1,335	53.3	534	466	154	146	23.6	9.2	74.9	22.6	2.5
.....	1,330	52.6	526	473	151	147	22.9	9.7	75.1	22.4	2.5
.....	1,338	51.8	523	484	147	149	22.7	10.2	75.4	22.2	2.5
.....	1,363	51.2	528	499	146	150	22.2	10.5	75.7	21.8	2.4
.....	1,385	51.1	530	512	145	145	21.9	10.8	76.3	21.2	2.5
.....	1,386	51.2	534	515	144	141	22.1	11.2	76.7	20.8	2.4
.....	1,374	50.7	533	522	143	149	21.7	11.2	76.8	20.8	2.3

Includes 1st professional degrees. <sup>1</sup> Data for 50 States and DC.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 255. EARNED DEGREES CONFERRED, BY FIELD OF STUDY, AND LEVEL OF DEGREE: 1971 TO 1985

LEVEL AND FIELD OF STUDY	1971	1972	1973	1980	1981	1982	1983	1984	1985
<b>Bachelor's, total</b>	<b>939,730</b>	<b>922,933</b>	<b>921,390</b>	<b>929,417</b>	<b>935,140</b>	<b>952,996</b>	<b>969,510</b>	<b>974,399</b>	<b>976,477</b>
Agriculture and natural resources	12,672	17,526	23,134	22,802	21,886	21,029	20,909	19,317	18,107
Architecture and environmental design	5,570	8,226	9,273	9,132	9,455	9,726	9,823	9,186	9,325
Area and ethnic studies	2,582	3,544	3,008	2,640	2,867	2,862	2,971	2,879	2,967
Business and management	114,866	133,010	171,784	165,381	199,338	214,001	226,893	230,031	233,351
Communications <sup>1</sup>	10,802	19,248	26,457	28,816	31,282	34,222	38,602	40,165	42,083
Computer and information sciences	2,386	5,033	8,719	11,154	15,121	20,267	24,510	32,172	39,878
Education	176,614	167,015	126,109	118,189	106,309	101,113	97,981	92,362	88,181
Engineering <sup>1</sup>	50,046	46,852	52,375	55,863	75,000	80,005	89,270	94,444	96,105
Foreign languages	19,945	17,806	11,825	11,133	10,319	9,841	9,685	9,479	9,954
Health sciences	25,190	48,858	61,819	63,607	63,348	63,385	64,614	64,336	64,513
Home economics	11,187	10,772	16,300	18,411	18,370	17,872	16,705	16,316	15,555
Law	545	436	676	683	776	846	1,099	1,272	1,157
Letters	64,933	48,534	34,557	33,487	33,208	34,334	32,743	33,739	34,081
Liberal/general studies	5,461	13,032	19,524	20,089	18,586	18,145	18,524	18,615	18,181
Library and archival sciences	1,013	1,089	506	398	375	307	256	255	202
Life sciences	36,743	51,741	48,846	46,370	43,216	41,639	39,982	38,640	38,445
Mathematics	24,801	18,181	11,806	11,378	11,078	11,589	12,453	13,211	15,146
Military sciences	367	340	347	251	305	283	267	185	289
Multi/interdisciplinary studies	8,306	15,185	14,830	14,404	15,685	17,651	17,282	16,734	16,727
Parks and recreation	1,621	4,518	5,981	5,753	5,729	5,335	5,199	4,762	4,993
Philosophy, religion, and theology	11,890	13,806	13,438	13,276	12,817	12,307	12,536	12,349	12,439
Physical sciences	21,412	20,778	23,207	23,410	23,952	24,052	23,405	23,671	23,732
Psychology	37,860	50,988	42,461	41,982	40,833	41,031	40,364	39,872	39,811
Protective services	2,045	9,666	14,803	15,015	13,707	12,439	12,579	12,854	12,510
Public affairs	6,252	14,730	18,852	18,422	18,714	18,739	16,290	14,396	13,838
Social sciences	155,236	135,166	107,922	103,519	100,345	99,545	95,088	93,212	91,461
Visual and performing arts	30,394	40,782	40,989	40,892	40,479	40,422	39,469	39,833	37,939
<b>Master's, total</b>	<b>230,899</b>	<b>292,450</b>	<b>301,078</b>	<b>298,091</b>	<b>295,739</b>	<b>295,548</b>	<b>289,821</b>	<b>284,283</b>	<b>289,251</b>
Agriculture and natural resources	2,457	3,087	3,994	3,978	4,009	4,183	4,254	4,179	3,926
Architecture and environmental design	1,705	2,938	3,113	3,139	3,153	3,327	3,357	3,223	3,276
Area and ethnic studies	1,032	1,186	853	852	804	809	829	888	879
Business and management	26,481	36,247	50,372	55,006	57,888	61,299	65,319	68,853	67,527
Communications <sup>1</sup>	1,856	2,794	2,882	3,082	3,105	3,327	3,604	3,858	3,899
Computer and information sciences	1,589	2,299	3,055	3,647	4,218	4,835	5,321	6,190	7,101
Education	89,852	120,169	111,996	103,951	98,938	93,757	84,863	77,187	76,137
Engineering <sup>1</sup>	18,443	15,348	15,495	16,243	16,709	17,939	19,350	20,861	21,557
Foreign languages	4,755	3,807	2,426	2,236	2,104	2,008	1,759	1,773	1,724
Health sciences	5,445	9,901	14,781	15,088	15,004	15,942	17,088	17,443	17,283
Home economics	1,452	1,901	2,510	2,690	2,670	2,355	2,406	2,422	2,389
Law	955	1,245	1,847	1,817	1,832	1,893	2,091	1,802	1,798
Letters	11,149	10,088	7,289	6,807	6,515	6,421	5,767	5,818	5,934
Liberal/general studies	549	1,630	1,251	1,373	1,085	1,094	899	1,173	1,180
Library and archival sciences	7,001	8,091	5,906	5,374	4,859	4,508	3,979	3,805	3,899
Life sciences	5,728	6,550	6,831	6,510	5,878	5,874	5,896	5,408	5,089
Mathematics	5,191	4,327	3,036	2,890	2,587	2,727	2,837	2,741	2,882
Military sciences	2	-	38	48	43	49	110	127	119
Multi/interdisciplinary studies	1,157	1,939	3,335	3,578	3,434	3,894	2,930	3,146	3,184
Parks and recreation	218	804	755	847	843	526	585	555	544
Philosophy, religion, and theology	4,038	4,830	4,701	5,128	5,449	5,216	5,873	6,259	5,519
Physical sciences	6,367	5,807	5,451	5,218	5,284	5,514	5,290	5,576	5,788
Psychology	4,431	7,086	8,003	7,808	7,998	7,791	8,378	8,002	8,409
Protective services	194	993	1,729	1,805	1,536	1,336	1,300	1,219	1,395
Public affairs	8,215	14,610	18,300	18,413	18,824	18,216	16,245	15,373	16,046
Social sciences	16,476	18,892	12,807	12,101	11,855	11,892	11,112	10,465	10,380
Visual and performing arts	6,675	8,382	8,524	8,708	8,629	8,746	8,742	8,580	8,714
<b>Doctorate's, total</b>	<b>32,197</b>	<b>34,083</b>	<b>32,730</b>	<b>32,616</b>	<b>32,866</b>	<b>32,707</b>	<b>32,779</b>	<b>32,399</b>	<b>32,848</b>
Agriculture and natural resources	1,086	991	960	991	1,087	1,079	1,149	1,172	1,213
Architecture and environmental design	38	89	98	79	93	80	87	84	89
Area and ethnic studies	144	165	135	151	162	102	153	139	137
Business and management	807	1,009	880	792	842	855	809	977	895
Communications <sup>1</sup>	145	185	182	193	182	200	214	219	234
Computer and information sciences	128	213	236	240	252	251	262	251	246
Education	6,403	7,446	7,736	7,841	7,900	7,889	7,551	7,473	7,151
Engineering <sup>1</sup>	3,638	3,108	2,506	2,507	2,561	2,636	2,831	2,981	3,230
Foreign languages	781	857	641	549	586	536	486	462	437
Health sciences	459	809	706	771	827	910	1,156	1,163	1,189
Home economics	123	158	219	192	247	247	255	279	279
Law	20	21	46	40	60	22	72	121	106
Letters	1,857	1,951	1,504	1,500	1,380	1,313	1,176	1,215	1,239
Life sciences	3,845	3,384	3,542	3,836	3,718	3,743	3,341	3,437	3,432
Mathematics	1,199	975	730	724	728	681	696	685	699
Multi/interdisciplinary studies	80	254	445	295	256	358	397	376	395
Philosophy, religion, and theology	886	1,416	1,647	1,693	1,686	1,652	1,612	1,644	1,608
Physical sciences	4,390	3,826	3,102	3,089	3,141	3,296	3,299	3,305	3,403
Psychology	1,782	2,442	2,682	2,786	2,955	2,780	3,108	2,973	2,909
Public affairs	185	271	344	372	388	389	347	421	491
Social sciences	3,659	4,209	3,358	3,219	3,114	3,051	2,931	2,911	2,851
Visual and performing arts	621	849	700	665	654	670	692	729	699
Other	53	87	374	218	157	176	178	180	209

- Represents zero. Includes technologies. <sup>1</sup> Data revised since originally published.Source: U.S. Department of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

## NO. 256. DEGREES CONFERRED IN SELECTED PROFESSIONS: 1960 TO 1965

[First professional degrees for medicine, dentistry, and law. As of spring. See Appendix III]

TYPE OF DEGREE AND SEX OF RECIPIENT	1960	1970	1975	1979	1978	1980	1981	1982	1983	1984	1985
<b>Medicine (M.D.):</b>											
Institutions conferring degrees	79	88	104	109	109	112	116	119	118	119	120
Degrees conferred, total	7,032	8,514	12,447	14,279	14,766	14,902	15,505	15,814	15,464	15,813	16,041
Men	6,045	7,515	10,818	11,210	11,391	11,416	11,872	11,897	11,360	11,369	11,187
Women	987	1,000	1,629	3,069	3,405	3,486	3,633	3,917	4,104	4,444	4,854
Percent of total	5.5	8.4	13.1	21.5	23.0	23.4	24.7	25.0	26.7	28.2	30.4
<b>Dentistry (D.D.S. or D.M.D.):</b>											
Institutions conferring degrees	45	49	52	57	55	58	55	55	55	59	59
Degrees conferred, total	3,247	3,718	4,773	5,188	5,434	5,258	5,460	5,282	5,505	5,353	5,339
Men	3,221	3,684	4,627	4,823	4,794	4,598	4,672	4,467	4,631	4,302	4,239
Women	26	34	146	589	640	700	788	815	874	1,051	1,100
Percent of total	.8	.9	3.1	10.9	11.8	13.3	14.4	15.4	17.1	19.8	20.7
<b>Law (J.D. or LL.B.):</b>											
Institutions conferring degrees	134	145	154	189	175	179	177	180	177	179	181
Degrees conferred, total	9,240	14,918	29,296	34,402	35,208	35,847	35,331	35,981	36,853	37,012	37,481
Men	9,010	14,115	28,881	33,457	34,180	34,893	34,563	35,085	35,880	36,362	36,070
Women	230	801	4,415	8,945	10,028	10,754	11,768	12,026	13,303	13,630	14,421
Percent of total	2.5	5.4	15.1	26.0	28.5	30.2	32.4	33.4	36.4	36.8	38.5
<b>Engineering:<sup>1</sup></b>											
Degrees conferred, total	45,624	65,753	85,306	74,462	80,378	67,843	84,270	100,560	111,451	118,068	120,882
Bachelor's	37,879	44,479	46,852	55,854	62,375	68,893	75,000	80,005	88,270	94,444	95,105
Master's	7,159	15,593	15,345	16,398	15,485	18,243	18,709	17,938	19,350	20,851	21,557
Doctorate's	786	3,681	3,109	2,440	2,508	2,507	2,561	2,638	2,831	2,881	3,230
Men	45,453	63,227	83,853	68,851	74,188	60,001	85,105	99,708	98,575	103,828	105,724
Women	171	526	1,455	4,631	8,208	7,842	9,165	10,874	12,876	14,457	15,188
Percent of total	.4	.8	2.2	6.2	7.7	8.7	9.7	10.8	11.6	12.2	12.5

<sup>1</sup> Includes engineering technologies.Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

## NO. 257. EARNED DEGREES BELOW BACHELOR'S, BY CURRICULUM: 1963 TO 1985

[In thousands, except percent. Covers associate degrees and other awards based on post-secondary curricula of less than 4 years in institutions of higher education]

FIELD OF STUDY	1963	1984	1985	PERCENT FEMALE		
				1963	1984	1985
<b>All degrees</b>	<b>606,695</b>	<b>618,532</b>	<b>614,748</b>	<b>53.5</b>	<b>54.3</b>	<b>51.4</b>
Agriculture and natural resources	11,672	10,541	10,468	30.3	28.9	29.8
Architecture and environmental design	2,012	1,927	1,939	61.9	64.3	62.5
Area and ethnic studies	60	64	69	58.3	60.9	71.0
Business and management	161,885	166,238	170,170	65.8	66.5	66.4
Communications <sup>1</sup>	4,309	4,182	4,580	44.7	43.2	39.7
Computer and information sciences	12,970	16,111	15,895	50.5	49.1	49.3
Education	8,112	8,503	8,551	69.5	72.2	70.8
Engineering <sup>2</sup>	101,707	100,080	100,146	6.4	7.9	7.8
Foreign languages	394	372	427	56.3	57.5	49.8
Health sciences	101,584	107,142	107,248	87.8	87.0	86.7
Home economics	14,380	14,344	14,966	75.4	75.0	74.5
Law	2,287	2,551	2,946	83.0	83.1	84.3
Letters	731	622	681	63.6	64.8	65.9
Liberal/general studies	110,400	109,451	107,814	54.9	54.9	55.5
Library and archival sciences	305	280	253	68.9	68.2	69.7
Life sciences	1,227	1,297	1,265	47.8	52.4	60.8
Mathematics	813	821	813	37.7	36.4	37.6
Military sciences	98	87	34	2.3	4.8	-
Multi/interdisciplinary studies	10,518	8,398	6,897	53.6	54.5	53.8
Parks and recreation	1,144	619	693	52.6	50.9	51.9
Philosophy, religion, and theology	1,610	1,740	1,830	44.5	44.3	47.8
Physical sciences	3,245	2,990	2,296	34.7	34.7	36.3
Psychology	1,051	1,147	1,032	64.6	67.0	66.4
Protective services	15,873	15,554	16,057	23.6	23.8	23.8
Public affairs	6,074	5,812	6,230	49.8	47.2	40.8
Social sciences	3,004	2,755	2,813	52.9	57.1	57.3
Visual and performing arts	25,170	25,244	24,356	30.9	32.7	31.7

- Represents zero. <sup>1</sup> Includes 2,537 degrees not distributed by field of study. <sup>2</sup> Includes technologies.Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual; and unpublished data.

No. 258. COLLEGE AND UNIVERSITY LIBRARIES—SUMMARY: 1985

[For school year ending in year shown. Based on survey of academic libraries and joint library systems in the 50 States and DC. Data from Survey of College and University Libraries, Fall 1985]

TYPE OF CONTROL AND ENROLLMENT SIZE	VOLUMES HELD		TITLES HELD		OPERATING EXPENSES (\$1,000)				STAFF <sup>1</sup>	
	Total (1,000)	Per FTE <sup>1</sup> stu-dent	Total (1,000)	Per FTE <sup>1</sup> stu-dent	Total <sup>2</sup>	Wages and salaries <sup>3</sup>	Books	Serial subscrip-tions <sup>4</sup>	Total	Librar-ians
All types, public .....	373,446	36	180,388	17	1,608,809	792,574	194,626	222,348	65,585	13,514
10,000 or more .....	253,441	43	105,086	18	1,080,621	525,846	132,041	159,228	35,159	8,266
5,000 to 9,999 .....	58,761	25	35,891	15	249,337	128,290	29,786	31,436	9,255	2,301
1,000 to 4,999 .....	56,092	27	35,867	17	251,373	127,185	29,431	27,525	10,124	2,615
500 to 999 .....	4,233	43	2,943	30	21,264	10,138	2,685	3,100	608	237
500 or less .....	917	32	598	21	6,214	3,113	683	1,059	245	72
All types, private .....	260,402	94	129,000	46	986,189	288,146	100,993	115,928	33,249	8,405
10,000 or more .....	79,220	118	29,126	43	269,950	133,004	32,218	39,583	9,173	2,467
5,000 to 9,999 .....	42,633	82	14,689	29	143,618	65,753	18,399	24,503	4,969	1,303
1,000 to 4,999 .....	90,559	76	53,431	45	265,033	118,498	41,957	38,269	13,074	2,997
500 to 999 .....	26,474	97	17,737	85	64,210	29,868	9,045	8,743	3,470	906
500 or less .....	21,514	175	13,884	113	45,368	22,003	7,374	4,800	2,580	730

<sup>1</sup> Full-time equivalent.    <sup>2</sup> Includes expenses not shown separately; excludes capital outlay.    <sup>3</sup> Excludes fringe benefits and wages for student assistance.    <sup>4</sup> Any publication issued on a recurring basis and held for reference.

Source: U.S. Dept. of Education, Center for Education Statistics, unpublished data.

No. 259. LIBRARIES—NUMBER, BY TYPE: 1980 TO 1986

TYPE	1980	1985	1985		TYPE	1980	1985	1985	
			Total	Per-cent				Total	Per-cent
Total <sup>1</sup> .....	31,584	32,323	34,923	100.0	Academic .....	4,591	5,034	4,981	14.3
United States .....	28,638	29,643	30,864	88.4	Junior college .....	1,191	1,168	1,265	3.7
Public .....	8,717	8,849	8,865	25.4	Universities, colleges .....	1,911	2,022	2,113	6.1
Public branches .....	5,936	6,330	6,350	18.2	Departmental .....	1,489	1,824	1,583	4.5
Special .....	4,645	4,589	5,486	15.7	Law, medicine, religious ..	269	531	611	1.7
Medical .....	1,674	1,687	2,058	5.9	Armed Forces .....	485	526	484	1.4
Government .....	1,260	1,574	1,237	3.5	Law <sup>2</sup> .....	417	435	635	1.8
Religious .....	913	839	768	2.3	Outlying areas .....	113	114	99	.3

<sup>1</sup> Includes public libraries with annual incomes of less than \$2,000 or book funds of less than \$500, law libraries with less than 10,000 volumes each, Canadian libraries, and libraries in regions administered by the U.S., not shown separately.  
<sup>2</sup> Law libraries with less than 10,000 volumes are included if they specialize in a special field.

Source: R.R. Bowker Co., New York, NY, *The Bowker Annual of Library & Book Trade Information* and *American Library Directory*, annual. (Copyright by Reed Publishing.)

No. 260. PATRON USE OF COMPUTERS IN PUBLIC LIBRARY SYSTEMS: 1984-1985

[For winter 1984-85. Based on survey and subject to sampling error. See source for details]

CHARACTERISTIC	Unit	Total	POPULATION SERVED			REGION <sup>1</sup>			
			Less than 10,000	10,000 to 99,999	100,000 and over	North Atlantic	Great Lakes and Plains	South-east	West and South-west
Library systems .....	Number .....	8,537	5,447	2,697	394	2,709	3,496	1,003	1,328
With computers for use <sup>2</sup> .....	Percent .....	18	13	26	42	21	16	17	19
In library .....	Percent .....	15	10	23	41	13	16	16	18
Outside library .....	Percent .....	4	4	6	3	9	3	1	2
Computers for use .....	Number .....	3,300	900	1,600	800	900	1,200	400	800
Inside library .....	Percent .....	75	68	73	88	57	80	91	82
Average per library system <sup>3</sup> .....	Number .....	2.1	1.3	2.3	4.6	1.6	2.1	2.4	3.0
Average use per week per com-puter <sup>3 4</sup> .....	Hours .....	23.3	16.9	26.0	25.2	21.9	26.6	12.5	25.5
Users under 18 years <sup>3 4</sup> .....	Percent .....	71	81	86	58	72	71	71	79

<sup>1</sup> For definition of regions, see footnotes, table 227.    <sup>2</sup> Libraries systems with computers for use both inside and outside the library are counted only once in the total.    <sup>3</sup> For systems with computers for patron use.    <sup>4</sup> For computers used in library.

Source: U.S. Dept. of Education, Center for Education Statistics, Bulletin, "Patron Use of Computers in Public Libraries," March 1986.



### NO. 261. PARTICIPANTS IN ADULT EDUCATION, BY SELECTED CHARACTERISTICS: 1984

year ending in May 1984. Persons 17 years of age and over on the date of the survey. Adult education participants are all in part-time organized educational activities such as college courses, employee training, continuing education and instruction. Based on Current Population Survey; see text, section 1, and Appendix B.

CHARACTERISTIC	Number adults in population (1,000)	PARTICIPANTS IN ADULT EDUCATION					
		Total		Full-time students <sup>1</sup>		Not full-time students <sup>1,2</sup>	
		Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
All	173,868	23,383	13.5	1,118	.8	22,264	12.8
years old	71,891	11,704	16.3	848	1.3	10,756	15.0
years old	52,303	8,884	16.9	182	.3	8,712	16.7
16 and over	48,388	2,735	5.7	18	.0	2,717	5.6
	81,700	10,446	12.8	485	.6	9,961	12.2
	90,863	12,857	14.1	634	.7	12,224	13.5
Ethnic group:							
non-Hispanic	139,777	20,429	14.6	939	.7	19,491	13.9
non-Hispanic	18,836	1,806	9.1	88	.5	1,718	7.6
Hispanic	8,708	798	9.2	63	.8	735	7.9
	4,472	571	12.8	26	.6	545	12.1
Level of education:							
Less than 4 years high school	47,287	1,860	4.0	315	.7	1,574	3.3
4 years of high school	88,234	8,891	10.0	189	.3	8,709	10.3
1 year of college	30,267	8,022	19.9	264	1.3	7,758	18.6
More than 1 year of college	28,775	8,400	29.2	217	.8	8,184	28.4
Marital status:							
Married	112,441	19,788	17.6	740	.7	19,047	16.9
Never married	104,484	18,929	18.1	684	.6	18,275	17.5
Divorced	7,877	809	10.3	88	1.1	772	9.7
Widowed	80,141	3,515	5.6	378	.5	3,137	5.2
Living with partner	31,131	2,178	7.0	22	.1	2,156	6.9
Attending school	6,886	524	7.6	230	4.8	186	2.8
Never married	22,144	813	3.7	28	.1	785	3.5
Family income:							
Less than \$5,000	13,018	787	6.1	85	.7	712	5.5
\$5,000 to \$9,999	21,870	1,454	6.6	113	.5	1,341	6.1
\$10,000 to \$14,999	22,588	2,117	9.4	98	.4	2,022	9.0
\$15,000 to \$19,999	18,775	2,508	12.7	114	.6	2,394	12.7
\$20,000 to \$24,999	32,521	5,126	15.8	222	.7	4,908	15.1
\$25,000 to \$29,999	24,126	4,424	18.3	188	.8	4,236	17.6
\$30,000 to \$34,999	12,643	2,826	20.8	109	.8	2,717	18.9
\$35,000 to \$39,999	11,881	2,543	21.2	123	1.0	2,420	20.2
\$40,000 to \$44,999	5,112	1,011	19.6	48	.9	963	18.8
\$45,000 or more	6,861	885	7.8	32	.4	853	7.4

less than .05 percent. <sup>1</sup> In high school or college degree programs on the date of the survey. <sup>2</sup> Includes part-time students and college students who indicated that they were also adult education participants.

### NO. 262. COURSES TAKEN BY PARTICIPANTS IN ADULT EDUCATION: 1984

(See Appendix, table 261)

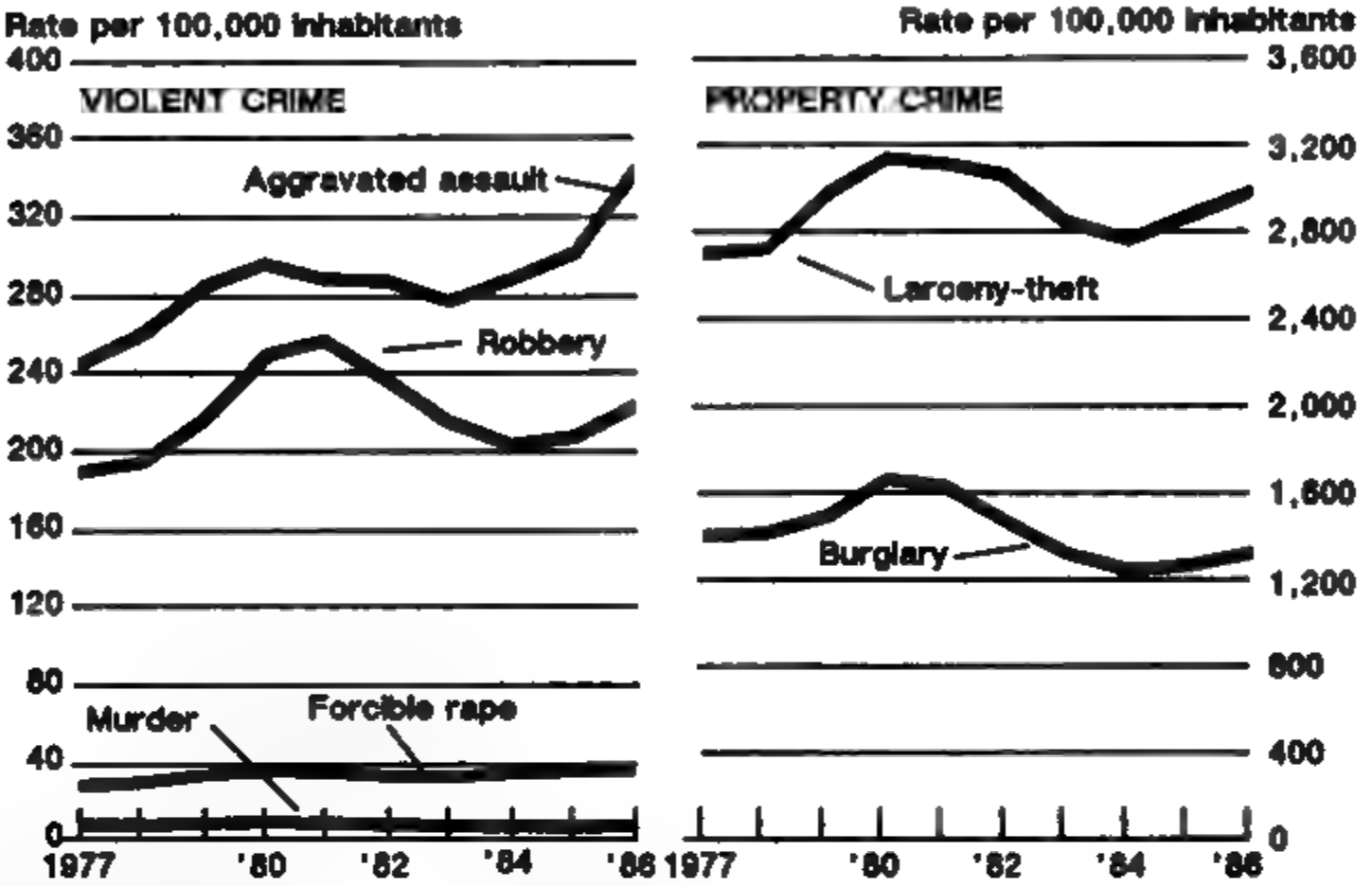
FIELD OF STUDY	TOTAL (1,000)		PERCENT DISTRIBUTION		FIELD OF STUDY OR REASON	TOTAL (1,000)		PERCENT DISTRIBUTION	
	Male	Female	Male	Female		Male	Female	Male	Female
All courses <sup>1</sup>	17,778	22,881	100.0	100.0	Philosophy, religion, and psychology	1,026	1,574	5.8	7.3
Art and performing arts	900	1,840	2.8	7.1	Physical education and leisure	984	1,840	3.8	7.1
Business	883	2,911	4.9	8.8	Social sciences and social studies	1,230	890	6.9	3.7
Engineering and technology	4,030	1,888	22.7	8.1	Total courses <sup>1</sup>	17,778	22,881	100.0	100.0
Health and health care	1,848	2,403	8.2	15.8	Job-related reasons	12,607	13,880	70.9	59.0
Language	348	658	1.9	3.7	To get new job	1,824	2,878	10.3	13.0
Mathematics, science, and technology	838	1,338	4.7	5.8	In current occupation	386	588	2.2	2.6
					In new occupation	1,438	2,290	8.0	10.4
					To advance in job	10,004	9,888	56.3	42.2
					Other job-related reasons	788	678	4.4	3.8
					Non-job related reasons	5,118	9,335	28.9	40.8
					General education	1,448	1,910	8.1	8.3
					Personal or social	3,670	7,425	18.6	32.5

<sup>1</sup> Other courses or reasons not shown separately.

Source: Tables 261 and 262: U.S. Dept. of Education, Center for Education Statistics, "Survey of Adult Education, Current Population Survey, May 1984," unpublished data.

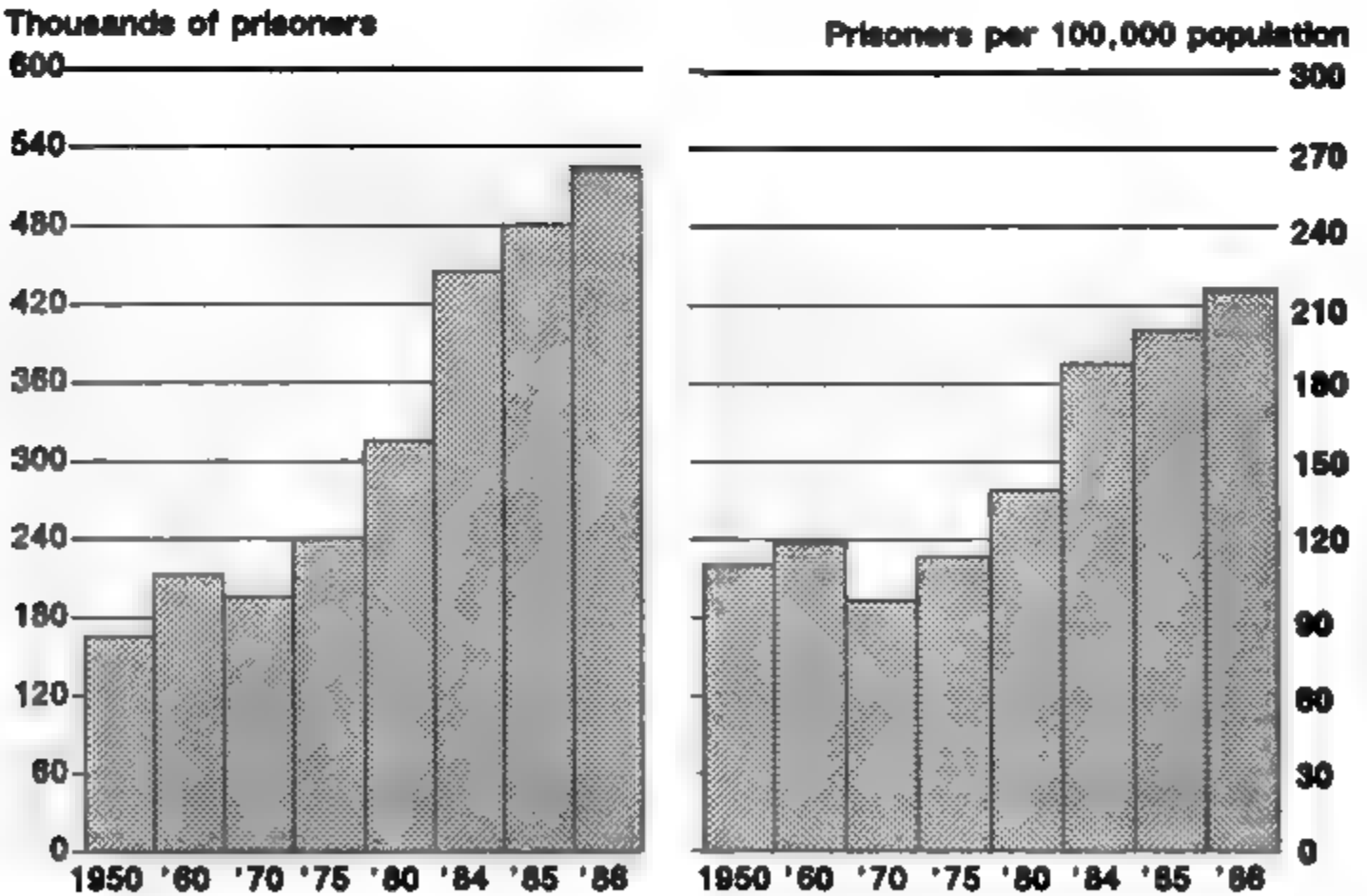


Figure 5.1  
Selected Crime Rates: 1977 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 263.

Figure 5.2  
Federal and State Prisoners: 1950 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 305.



## Section 5

# Law Enforcement, Courts, and Prisons

Section 5 presents data on crimes committed, victims of crimes, arrests, and data related to law enforcement, and the criminal justice system. The major sources of these data are the Bureau of the Census (BJS) and the Federal Bureau of Investigation (FBI). BJS issues several reports, including *Sourcebook of Criminal Justice Statistics*, *Criminal Victimization in the United States*, *Prisoners in State and Federal Institutions*, *Children in Custody*, *National Survey of Court Cases*, *Census of State Correctional Facilities*, *Census of Jails and Survey of Jail Inmates*, *in the United States*, and *Capital Punishment*. In addition, the annual *Expenditure and Employment Data for the Criminal Justice System* is issued jointly by BJS and the Bureau of the Census. The Federal Bureau of Investigation's major annual report is *Crime in the United States*, which presents data on reported crimes as gathered from State and local law enforcement agencies.

Other major sources of these data include: *Annual Report of the Director, Federal Court Management Statistics*, *Federal Offenders*, and *Sentences Imposed Chart* issued by the Administrative Office of the U.S. Courts; *Governmental Finances and Public Employment*, issued annually by the Bureau of Economic Analysis; and the *Statistical Report*, issued annually by the Federal Bureau of Prisons.

**Law enforcement and jurisdiction.**—Law enforcement is, for the most part, a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States.

By act of Congress, Federal offenses include only offenses against the U.S. Government committed by its employees while engaged in their official duties, and offenses which involve crossing of State lines or an interference with interstate commerce. Excluding the military, there are separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own law enforcement agencies. While the systems of law enforcement are quite similar in the States, there are often substantial differences in the penalties for like offenses.

**Law enforcement functions.**—Law enforcement can be divided into three parts: investigation of crimes and arrests of persons charged with committing them; prosecution of those charged with crime; and the punishment or confinement of persons convicted of crime.

**Crime statistics.**—There are two major approaches taken in determining the extent of crime. One perspective is provided by the FBI through its Uniform Crime Reporting Program (UCR). The FBI receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 97 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of index offenses that become known to them. The FBI Crime Index offenses are as follows:

*Murder and nonnegligent manslaughter*, is based on police investigations, as reported to the determination of a medical examiner or judicial body, includes willful felonious homicide and excludes attempts and assaults to kill, suicides, accidental deaths, justifiable homicides, deaths caused by negligence; *forcible rape* includes forcible rapes and attempts; *robbery* includes attempted robbery; *aggravated assault* includes assault with intent to kill; *burglary* includes unlawful entry to commit a felony or a theft and includes attempted burglary and burglary following larceny; *larceny* includes theft of property or articles of value without use of force and excludes fraud and excludes embezzlement, "con games," forgery, etc.; *motor vehicle theft* includes all cases where vehicles are driven away and abandoned, but excludes vehicles taken for temporary use and returned by the taker. Arson was added as the eighth index offense in April 1972 following a Congressional mandate. Arson includes any willful or malicious burning or attempt to burn with or without intent to defraud, a dwelling house, public building, motor vehicle or aircraft, personal property of another, etc.

Monthly Uniform Crime Reports also contain data on crimes cleared by arrest and on characteristics of persons arrested for all criminal offenses. In summarizing and publishing crime data,

the FBI does not vouch for the validity of the reports it receives, but presents the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

**National Crime Survey (NCS)**—A second perspective on crime is provided by the NCS of the Bureau of Justice Statistics. The NCS includes offenses reported to the police, as well as those not reported (see table below for percent of victimizations reported to the police). Details about the crimes come directly from the victims. No attempt is made to validate the information against police records or any other source. The NCS measures rape, robbery, assault, household and personal larceny, burglary, and motor vehicle theft.

Murder and kidnaping are not covered. Commercial burglary and robbery were dropped from the program during 1977. The so-called victimless crimes, such as drunkenness, drug abuse, and prostitution, also are excluded, as are crimes for which it is difficult to identify knowledgeable respondents or to locate data records.

Crimes of which the victim may not be aware also cannot be measured effectively. Buying stolen property may fall into this category, as may some instances of embezzlement. Attempted crimes of many types probably are under recorded for this reason. Events in which the victim has shown a willingness to participate in illegal activity also are excluded.

In any encounter involving a personal crime, more than one criminal act can be committed against an individual. For example; a rape may be associated with a robbery; or a household offense, such as a burglary, can escalate into something more serious in the event of a personal confrontation. In classifying the survey-measured crimes, each criminal incident has been counted only once—by the most serious act that took place during the incident and ranked in accordance with the seriousness classification system used by the Federal Bureau of Investigation. The order of seriousness for crimes against persons is as follows: Rape, robbery, assault, and larceny. Consequently, if a person were both robbed and assaulted, the event would be classified as robbery; if the victim suffered physical harm, the crime would be categorized as robbery with injury. Personal crimes take precedence over household offenses.

A *victimization*, basic measure of the occurrence of crime, is a specific criminal act as it affects a single victim. The number of victimizations is determined by the number of victims of such acts. Victimization counts serve as key elements in computing rates of victimization. For crimes against persons, the rates are based on the total number of individuals age 12 and over or on a portion of that population sharing a particular characteristic or set of traits. As general indicators of the danger of having been victimized during the reference period, the rates are not sufficiently refined to represent true measures of risk for specific individuals or households. For further details regarding the NCS, see *Criminal Victimization in the United States*, by the U.S. Bureau of Justice Statistics.

An *incident* is a specific criminal act involving one or more victims; therefore the number of incidents of personal crime is lower than that of victimizations.

NCS estimates appearing in 1980 and earlier reports made use of population controls derived from the 1970 census. Thereafter, population estimates based on the 1980 census were used. Victimization rates, key measures of the occurrence of crime, and all percentages generally were unaffected by the change in the estimation procedure. Thus, the vast majority of data appearing after 1980 are compatible with data in previous NCS reports.

POLICE REPORTING RATES FOR PERSONAL AND HOUSEHOLD CRIMES: 1975 TO 1985  
[Percent of victimization reported to the police]

SECTOR AND TYPE OF CRIME	1975	1976	1977	1978	1979	1980	1981	1982	1982	1984	1985
Personal sector:											
Crimes of violence .....	47.2	48.8	46.1	44.2	45.1	47.1	46.6	48.2	47.2	46.6	47.9
Rape .....	56.2	52.7	58.4	48.8	50.5	41.4	55.7	52.8	47.0	56.0	61.0
Robbery .....	53.3	53.3	55.5	50.5	55.5	56.8	55.8	56.2	52.6	54.8	53.5
Robbery with injury .....	65.0	62.9	66.1	65.4	62.2	69.6	66.6	67.1	66.3	60.8	63.5
Robbery without injury .....	47.9	48.6	49.6	43.6	52.0	50.1	50.7	51.2	45.9	51.2	49.3
Assault .....	45.2	47.5	43.5	42.7	42.4	44.9	43.7	45.9	45.8	44.3	46.4
Crimes of theft .....	26.3	26.6	24.8	24.6	24.0	26.9	26.7	26.9	26.5	26.3	27.4
Personal larceny with contact .....	34.5	36.2	37.2	33.7	35.6	35.7	40.4	32.7	35.9	31.5	33.2
Personal larceny without contact..	26.0	26.3	24.5	24.3	23.6	26.5	26.2	26.7	26.1	26.1	27.1
Household sector:											
Household burglary .....	48.6	48.1	48.8	47.1	47.6	51.3	51.1	49.3	48.7	49.4	49.7
Household larceny .....	27.1	27.1	25.4	24.5	25.1	27.5	26.2	26.8	25.4	26.8	26.8
Motor vehicle theft .....	71.1	68.5	68.4	66.1	68.2	69.3	66.6	72.4	68.5	68.8	70.6

**Courts.**—Court statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole, although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census for 1932 to 1945 covering a maximum of 32 States.

The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by them. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; and all matters in bankruptcy.

There are several types of courts with varying degrees of legal jurisdiction. These jurisdictions include original, appellate, general, and limited or special. A *court of original jurisdiction* is one having the authority initially to try a case and pass judgment on the law and the facts; a *court of appellate jurisdiction* is one with the legal authority to review cases and hear appeals; a *court of general jurisdiction* is a trial court of unlimited original jurisdiction in civil and/or criminal cases, also called a "major trial court"; a *court of limited or special jurisdiction* is a trial court with legal authority over only a particular class of cases, such as probate, juvenile, or traffic cases.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Northern Mariana Islands, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 13, known as U.S. courts of appeals and the United States Court of Appeals for the Federal Circuit. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

**Juvenile offenders.**—For statistical purposes, the FBI and most States classify as juvenile offenders persons under the age of 18 years who have committed a crime or crimes.

Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously "antisocial" conduct. Several types of facilities are available for those adjudicated delinquent, ranging from the short-term physically unrestricted environment to the long-term very restrictive atmosphere.

**Prisoners.**—Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950, by the Federal Bureau of Prisons until 1971, transferred then to the Law Enforcement Assistance Administration, and, in 1979, to the Bureau of Justice Statistics. Adults convicted of criminal activity may be given a prison or jail sentence. A *prison* is a confinement facility having custodial authority over adults sentenced to confinement of more than one year. A *jail* is a facility, usually operated by a local law enforcement agency, holding persons detained pending adjudication and/or persons committed after adjudication to one year or less. Nearly every State publishes annual data either for its whole prison system or for each separate State institution.

**Naturalizations.**—Most aliens acquire U.S. citizenship under the general provisions of the Immigration and Nationality Act of 1952, as amended. As specified by that Act, the requirements a prospective citizen must meet relate to residency, language proficiency, oral character, loyalty to the United States, attachment to the principles of the Constitution, etc. Spouses and children of U.S. citizens can be naturalized under less stringent conditions. In certain cases, an administrative, judicial, legislative, or executive waiver of the requirements may be obtained. Naturalization statistics are also maintained by INS.

**Statistical reliability.**—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability pertaining to the National Crime Survey and Uniform Crime Reporting Program, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

No. 263. CRIMES AND CRIME RATES, BY TYPE: 1977 TO 1986

[Data refer to offenses known to the police. Rates are based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of April 1. Annual totals for years prior to 1984 were adjusted in 1984 and may not be consistent with those in prior editions. See source for details. Minus sign (-) indicates decrease. For definitions of crimes, see text, section 5. See also *Historical Statistics, Colonial Times to 1970*, series H 952-961 for related data]

ITEM AND YEAR	Total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Mur- der <sup>1</sup>	Forci- ble rape	Rob- bery	Aggra- vated assault	Total	Bur- glary	Larce- ny— theft	Motor vehi- cle theft
Number of offenses (1,000):										
1977 .....	10,965	1,030	19.1	63.5	413	534	9,955	3,072	5,906	978
1978 .....	11,209	1,066	19.6	67.6	427	571	10,123	3,128	5,991	1,004
1979 .....	12,250	1,208	21.5	76.4	481	629	11,042	3,328	6,601	1,113
1980 .....	13,408	1,345	23.0	83.0	566	673	12,064	3,795	7,137	1,132
1981 .....	13,424	1,362	22.5	82.5	593	664	12,062	3,780	7,194	1,088
1982 .....	12,974	1,322	21.0	78.8	553	669	11,652	3,447	7,143	1,062
1983 .....	12,109	1,258	19.3	78.9	507	653	10,851	3,130	6,713	1,008
1984 .....	11,882	1,273	18.7	84.2	485	685	10,609	2,984	6,592	1,032
1985 .....	12,430	1,328	19.0	87.7	498	723	11,103	3,073	6,926	1,103
1986 .....	13,211	1,488	20.6	90.4	543	834	11,723	3,241	7,257	1,224
Percent change, number of offenses:										
1977-1986 .....	20.3	44.5	7.8	42.4	31.5	56.1	17.8	5.5	22.9	25.2
1982-1986 .....	1.8	12.5	-1.9	14.8	-1.9	24.6	.6	-6.0	1.6	15.2
1985-1986 .....	6.3	12.1	8.6	3.2	9.0	15.4	5.6	5.5	4.8	11.0
Rate per 100,000 inhabitants:										
1977 .....	5,078	476	8.8	29.4	191	247	4,602	1,420	2,730	452
1978 .....	5,140	498	9.0	31.0	196	262	4,643	1,435	2,747	461
1979 .....	5,566	549	9.7	34.7	218	286	5,017	1,512	2,999	506
1980 .....	5,950	597	10.2	36.8	251	299	5,353	1,664	3,167	502
1981 .....	5,858	594	9.8	36.0	259	290	5,264	1,650	3,140	475
1982 .....	5,604	571	9.1	34.0	239	289	5,033	1,489	3,085	459
1983 .....	5,175	538	8.3	33.7	217	279	4,637	1,338	2,869	431
1984 .....	5,031	539	7.9	35.7	205	290	4,492	1,264	2,791	437
1985 .....	5,207	556	7.9	36.7	209	303	4,651	1,287	2,901	462
1986 .....	5,480	617	8.6	37.5	225	346	4,863	1,345	3,010	508
Percent change, rate per 100,000 inhabitants.										
1977-1986 .....	7.9	29.7	-2.3	27.6	18.0	40.1	5.7	-5.3	10.3	12.4
1982-1986 .....	-2.2	8.1	-5.5	10.3	-5.8	19.7	-3.4	-9.7	-2.4	10.7
1985-1986 .....	5.2	11.0	8.9	2.2	8.0	14.3	4.6	4.5	3.8	9.9

- Represents zero. <sup>1</sup> Includes nonnegligent manslaughter.  
Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 264. CRIMES AND CRIME RATES, BY TYPE AND AREA: 1985 AND 1986

[In thousands, except rate. Rate per 100,000 population; see headnote, table 263. Estimated totals based on reports from city and rural law enforcement agencies representing 96 percent of the national population. For definitions of crimes, see text, section 5]

TYPE OF CRIME	1985						1986					
	MSA's <sup>1</sup>		Other cities		Rural areas		MSA's <sup>1</sup>		Other cities		Rural areas	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Total .....	10,767	5,921	1,051	4,590	612	1,803	11,482	6,236	1,097	4,793	631	1,864
Violent crime .....	1,197	658	73	319	56	168	1,348	732	90	350	90	175
Murder and nonnegligent manslaughter .....	16	9	1	5	2	6	18	10	1	5	2	5
Forcible rape .....	76	42	5	21	6	18	79	43	5	22	6	18
Robbery .....	483	266	10	44	5	15	527	286	11	49	5	15
Aggravated assault .....	622	342	57	249	44	129	725	394	63	274	47	137
Property crime .....	9,569	5,262	978	4,262	555	1,635	10,134	5,504	1,017	4,443	572	1,679
Burglary .....	2,632	1,447	229	999	212	625	2,781	1,510	239	1,046	221	649
Larceny—theft .....	5,915	3,253	704	3,067	307	906	6,213	3,374	731	3,191	314	921
Motor vehicle theft .....	1,023	562	45	195	35	104	1,140	619	47	206	37	106

<sup>1</sup> For definition, see text, Appendix II.  
Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

## NO. 265. CRIME RATES BY STATE, 1960 TO 1966, AND BY TYPE, 1966

known to the police per 100,000 population. Based on Bureau of the Census estimated resident population as of except April 1, 1966 census counts. For definitions of crimes, see text, section 5. For composition of regions, see fig. 1. (continued)

CRIME, AND STATE	1960, total	1964, total	1966, total	1966							
				Total	Violent crime				Property crime		
					Mur- der <sup>1</sup>	Forcible rape	Rob- bery	Aggre- vated assault	Burglary	Larceny— theft	Motor vehicle theft
.....	5,600	5,031	5,207	5,480	8.6	37.5	225	346	1,346	2,810	888
1.....	5,767	4,562	4,627	4,732	6.5	28.3	296	296	1,043	2,473	587
.....	5,529	4,675	4,658	4,632	6.6	35.4	179	290	1,082	2,792	448
.....	5,573	4,688	5,256	5,708	10.8	40.6	189	371	1,523	3,107	458
.....	7,366	6,210	6,405	6,644	9.2	44.3	251	423	1,671	3,662	564
.....	5,713	4,376	4,467	4,589	3.5	26.2	161	238	1,864	2,396	623
.....	4,368	3,527	3,672	3,461	2.0	14.8	28	102	803	2,347	164
.....	4,660	3,136	3,252	3,330	2.2	21.5	24	82	755	2,208	228
.....	4,968	3,966	3,868	3,977	2.0	21.8	22	103	949	2,697	181
.....	6,079	4,566	4,756	4,723	3.6	29.7	183	331	1,071	2,189	805
.....	5,833	4,774	4,723	4,902	3.5	21.4	119	182	1,294	2,568	705
.....	5,862	4,629	4,705	4,820	4.6	23.8	192	205	1,186	2,796	447
.....	5,786	4,825	4,676	4,810	6.0	29.3	346	316	1,636	2,466	575
.....	6,912	5,577	5,589	5,766	10.7	30.5	514	431	1,221	2,824	637
.....	6,401	4,856	5,094	5,241	5.2	33.2	269	285	1,071	2,622	776
.....	3,736	3,080	3,037	3,102	5.5	25.1	152	176	735	1,654	354
.....	5,800	5,000	4,916	5,069	7.5	36.4	213	316	1,118	2,846	618
.....	5,431	4,273	4,187	4,359	5.6	36.6	142	235	968	2,574	376
.....	4,930	3,929	3,914	3,856	6.0	25.9	90	166	887	2,333	328
.....	6,269	5,304	5,303	5,546	8.9	32.4	325	434	1,180	2,936	638
.....	6,676	6,556	6,366	6,491	11.3	67.4	301	424	1,509	3,378	600
.....	4,799	4,172	4,017	4,097	3.1	20.1	73	162	783	2,802	254
.....	4,674	3,864	4,046	4,296	4.6	36.1	97	238	896	2,885	281
.....	4,799	3,842	4,134	4,362	2.5	31.8	102	146	1,004	2,785	298
.....	4,747	3,800	3,943	4,151	1.8	12.5	42	179	956	2,801	158
.....	5,433	4,287	4,366	4,654	9.2	29.2	170	370	1,136	2,500	436
.....	2,684	2,583	2,679	2,605	1.0	11.6	7	32	385	2,049	120
.....	3,243	2,813	2,841	2,716	4.0	17.7	16	87	554	1,886	99
.....	4,306	3,497	3,686	3,856	9.1	24.6	51	184	746	2,677	168
.....	5,379	4,329	4,375	4,623	4.4	32.9	80	252	1,188	3,006	258
.....	6,061	5,693	5,376	5,734	9.8	48.1	222	412	1,479	3,188	497
.....	6,777	5,007	4,961	4,832	4.9	56.9	124	241	1,042	3,080	272
.....	6,630	5,215	5,373	5,602	9.0	43.6	304	476	1,246	2,876	545
.....	10,236	8,799	8,007	8,339	31.0	52.4	754	668	1,726	4,131	975
.....	4,620	3,784	3,779	3,660	7.1	26.5	106	167	613	2,522	219
.....	2,552	2,336	2,253	2,317	5.9	18.9	41	99	625	1,358	189
.....	4,640	4,044	4,121	4,332	6.1	26.4	68	354	1,225	2,423	208
.....	5,439	4,663	4,641	5,137	6.6	41.3	89	525	1,340	2,846	277
.....	5,604	4,496	5,110	5,455	11.2	43.9	214	319	1,453	2,964	430
.....	6,402	6,821	7,574	8,228	11.7	52.7	367	605	2,221	4,373	596
.....	4,161	3,519	3,651	3,918	9.6	32.5	127	289	1,115	2,690	316
.....	3,434	2,959	2,947	3,092	6.7	23.1	83	222	824	1,740	193
.....	4,486	3,890	4,167	4,534	10.4	47.0	208	274	1,325	2,126	544
.....	4,934	3,902	3,942	4,268	10.1	28.4	112	405	1,159	2,304	267
.....	3,417	3,060	3,266	3,345	11.2	25.8	85	172	1,076	1,845	150
.....	5,657	5,486	5,991	6,706	12.3	46.8	267	380	1,636	3,636	616
.....	3,611	3,366	3,565	3,925	6.1	26.9	80	278	1,030	2,305	195
.....	5,454	5,111	5,564	6,076	12.6	40.1	224	482	1,461	3,417	442
.....	5,053	4,893	5,425	6,014	6.1	36.4	107	295	1,787	3,142	648
.....	6,143	6,030	6,569	7,408	13.5	51.6	240	354	2,049	3,987	714
.....	6,631	5,779	6,183	6,623	7.4	36.4	127	336	1,546	3,811	366
.....	5,024	4,653	4,549	4,479	2.9	17.3	20	118	793	3,314	215
.....	4,762	3,672	3,906	4,207	3.2	20.0	21	178	1,009	2,800	181
.....	4,966	3,683	4,015	4,357	5.3	21.9	22	243	617	3,078	169
.....	7,333	6,471	6,919	7,032	7.0	42.3	145	329	1,762	4,231	485
.....	5,978	6,243	6,486	6,626	11.5	46.9	130	538	1,645	3,712	343
.....	6,171	6,499	7,116	7,321	9.3	43.0	166	437	1,806	4,337	419
.....	5,681	4,786	5,317	5,478	3.2	25.3	59	180	915	4,074	223
.....	6,854	6,561	6,575	6,280	12.6	64.9	267	354	1,604	3,488	478
.....	7,566	6,366	6,486	6,761	9.9	66.4	286	436	1,718	3,572	664
.....	6,915	6,102	6,529	6,880	5.0	53.4	135	244	1,861	4,267	315
.....	6,687	6,244	6,730	7,061	6.6	51.1	208	286	1,967	4,163	402
.....	7,633	6,486	6,516	6,763	11.3	44.9	343	521	1,896	3,364	762
.....	6,210	6,115	5,877	6,246	6.6	72.7	88	401	1,162	3,810	604
.....	7,482	5,484	5,201	5,671	4.8	31.0	108	103	1,339	3,759	328

<sup>1</sup> nonnegligent manslaughter      <sup>2</sup> Forcible rape figures furnished by the state-level Uniform Crime Reporting (UCR) administered by the Illinois Department of State Police were not in accordance with national UCR guidelines. The 1966 totals for most agencies in Illinois were therefore, estimated using the national rate of forcible rapes when grouped totals.      <sup>3</sup> Includes offenses reported by the police at the National Zoo.

U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.



## NO. 266. CRIME RATES, BY TYPE—SELECTED CITIES: 1966

[Offenses known to the police per 100,000 population, as of July 1. For definitions of crimes, see text, section 5]

CITY	Crime index, total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Murder	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny— theft	Motor vehicle theft
Total, 12,297 agencies .....	8,031	887	8.0	48	342	382	3,084	1,402	3,128	536
Total, 8,298 cities .....	7,383	884	10.8	48	328	431	8,102	1,803	3,825	674
Selected cities:										
Baltimore, MD .....	8,458	1,944	30.6	84	1,020	809	5,515	1,828	3,810	677
Chicago, IL .....	(1)	(1)	24.8	(1)	1,030	1,116	7,543	1,874	4,054	1,615
Dallas, TX .....	15,143	1,886	34.1	123	914	825	13,247	3,709	7,942	1,586
Detroit, MI .....	12,801	2,487	59.1	123	1,497	807	10,314	3,563	3,852	2,899
Houston, TX .....	9,448	1,158	22.9	68	814	434	6,282	2,502	3,869	1,821
Indianapolis, IN .....	6,317	915	13.4	93	334	475	5,402	1,752	2,935	713
Los Angeles, CA .....	9,550	2,036	25.8	71	918	1,021	7,515	1,969	3,619	1,727
Memphis, TN .....	9,823	1,587	24.4	139	881	542	8,236	2,776	3,406	1,982
New York, NY .....	8,847	1,995	22.0	49	1,126	799	6,852	1,732	3,924	1,186
Philadelphia, PA .....	5,233	1,048	20.8	66	586	373	4,187	1,765	2,226	796
Phoenix, AZ .....	9,541	999	13.2	61	321	602	6,844	2,780	5,274	810
San Antonio, TX .....	11,398	709	18.4	92	371	226	10,687	3,320	6,442	925
San Diego, CA .....	7,885	843	10.1	39	394	400	7,042	1,734	4,000	1,308
San Francisco, CA .....	7,548	1,267	15.2	66	676	508	6,280	1,342	4,027	910
Washington, DC .....	8,332	1,505	31.0	52	754	688	6,827	1,727	4,124	875

<sup>1</sup> The rates for 1966 for forcible rape, violent crime and crime index total are not shown because the forcible rape figures were not in accordance with national Uniform Crime Reporting guidelines.

## NO. 267. MURDER CIRCUMSTANCES/MOTIVES AND WEAPONS USED OR CAUSE OF DEATH: 1960 TO 1966

[Based solely on police investigation. For definition of murder, see text, section 5]

CIRCUMSTANCE	1960	1963	1964	1965	1966	TYPE OF WEAPON OR CAUSE OF DEATH	1960	1963	1964	1965	1966
Murders, total .....	21,960	18,873	18,888	17,545	19,527	Murders, total .....	21,960	18,873	18,888	17,545	19,527
PERCENT DISTRIBUTION						PERCENT DISTRIBUTION					
Felonies, total .....	17.7	18.0	18.0	17.9	19.4	Guns .....	62.4	58.3	58.8	58.7	58.1
Robbery .....	10.6	10.6	9.3	9.2	9.5	Handguns .....	48.0	44.0	44.0	43.0	43.8
Narcotics .....	1.7	2.0	2.7	2.9	3.9	Cutting or stabbing .....	19.3	21.8	21.2	21.1	20.5
Sex offenses .....	1.5	1.6	1.6	1.5	1.5	Blunt objects <sup>1</sup> .....	5.0	5.7	5.8	5.5	5.7
Other felonies .....	3.7	3.9	4.5	4.3	4.4	Personal weapons <sup>2</sup> .....	5.8	6.9	6.5	6.7	6.8
Suspected felonies .....	6.7	3.2	2.8	2.0	2.0	Strangulations, asphyxiations .....	2.3	2.7	2.8	2.4	2.8
Argument total .....	39.9	39.5	39.5	39.3	37.5	Fire .....	1.9	1.2	1.2	1.4	1.2
Property or money .....	2.6	2.8	2.7	2.7	2.4	All other <sup>3</sup> .....	3.9	3.5	3.9	4.2	4.1
Romantic triangle .....	2.3	2.6	2.4	2.3	2.1						
Other arguments .....	35.0	34.1	34.4	34.3	32.9						
Other motives .....	20.6	18.4	17.8	18.1	18.6						
Unknown .....	15.1	20.9	22.1	22.6	22.5						

<sup>1</sup> Refers to club, hammer, etc. <sup>2</sup> Hands, fists, feet, etc. <sup>3</sup> Includes poison, drowning, explosives, narcotics, and unknown.

Source of tables 266 and 267: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

## NO. 268. HOMICIDE VICTIMS, BY RACE AND SEX: 1960 TO 1985

[Rates per 100,000 resident population in specified group. Beginning 1970, excludes deaths to nonresidents of U.S. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*; for earlier years, classified according to revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 871-878]

YEAR	HOMICIDE VICTIMS					HOMICIDE RATE <sup>2</sup>				
	Total <sup>1</sup>	White		Black		Total <sup>1</sup>	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Female
1960 .....	8,484	2,832	1,154	3,345	1,013	4.7	3.6	1.4	38.7	10.4
1970 .....	16,648	5,865	1,938	7,265	1,569	8.3	6.8	2.1	67.8	13.3
1975 .....	21,310	6,222	2,751	8,092	1,929	9.9	9.0	2.9	69.0	14.9
1980 .....	24,278	10,381	3,177	8,385	1,888	10.7	10.9	3.2	68.6	13.5
1981 .....	23,848	9,941	3,125	8,312	1,825	10.3	10.4	3.1	64.8	12.7
1982 .....	22,358	9,260	3,179	7,730	1,743	9.8	9.6	3.1	59.1	12.0
1983 .....	20,191	8,355	2,880	6,822	1,672	8.6	8.6	2.8	51.4	11.3
1984 .....	19,798	8,171	2,858	6,583	1,677	8.4	8.3	2.9	48.7	11.2
1985 .....	19,893	8,122	3,041	6,516	1,668	8.3	8.2	2.9	48.4	11.0

<sup>1</sup> Includes races not shown separately. <sup>2</sup> Rate based on enumerated population figures as of April 1 for 1960, 1970, and 1980; July 1 estimates for other years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.



No. 266. FORCIBLE RAPE—NUMBER AND RATE, BY SELECTED CHARACTERISTIC: 1970 TO 1986

[For definition of rape, see text, section 5]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>NUMBER</b>													
Total	37,806	66,866	67,660	63,660	67,619	76,366	83,566	83,666	75,779	76,366	84,336	87,679	86,436
by force	35,666	41,501	42,066	47,024	50,560	57,966	63,566	63,036	56,967	61,019	66,367	70,136	72,626
Attempt	11,102	14,566	14,966	16,476	17,020	18,432	19,361	19,462	18,803	17,801	17,663	17,534	17,804
<b>RATE</b>													
per 100,000 population	16.7	26.3	26.6	26.4	31.0	34.7	36.8	36.0	34.0	33.7	35.7	36.7	37.5
per 100,000 females	16.6	31.3	31.8	37.1	40.3	47.5	71.8	70.0	65.2	65.8	69.4	71.3	73.1
per 100,000 females 12 years old and over	46.3	62.9	63.1	66.3	72.9	81.4	86.3	84.1	79.9	78.5	83.0	82.7	85.0
<b>PERCENT CHANGE IN RATE</b>													
per 100,000 population	NA	40.6	1.0	17.3	5.6	11.6	6.1	-2.2	-5.6	-3	5.7	2.6	2.5
per 100,000 females 12 years old and over	NA	35.9	.3	6.8	5.2	11.6	6.0	-2.5	-5.7	-1.0	5.7	-4	2.7

NA Not available.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

No. 276. ROBBERY AND PROPERTY CRIMES, BY TYPE AND SELECTED CHARACTERISTIC: 1960 TO 1986

[For definition of crime, see text, section 5]

ITEM	NUMBER OF OFFENSES (1,000)				RATE PER 100,000 INhabitants				AVERAGE VALUE LOST (\$100)	
	1960	1964	1966	1968	1960	1964	1966	1968	1966	1968
<b>Robbery, total</b>	366	466	466	546	251.1	306.4	306.6	336.1	636	666
by type of crime:										
Street or highway	293	264	273	302	130.1	111.9	114.4	125.2	436	466
Commercial house	76	66	60	67	34.6	23.6	25.3	27.6	1,102	912
Gas station	23	16	17	17	10.4	6.6	7.0	6.9	347	303
Convenience store	36	26	29	29	17.0	11.2	12.0	11.9	446	337
Residence	60	53	51	57	26.6	22.6	21.6	23.5	654	666
Bank	6	7	7	7	3.6	2.9	2.8	2.8	3,046	2,604
by weapon used:										
Firearm	226	173	176	186	101.3	73.4	73.6	77.2	NA	NA
Knife or cutting instrument	76	66	66	73	32.3	27.6	27.7	30.4	NA	NA
Other dangerous weapon	61	46	46	53	22.6	16.3	16.2	21.6	NA	NA
Strongarm	214	201	210	231	94.6	85.2	86.0	85.9	NA	NA
<b>Burglary, total</b>	3,796	2,964	3,073	3,341	1,664.1	1,263.7	1,367.3	1,344.6	963	966
by type of entry:										
Forcible entry	2,766	2,062	2,146	2,274	1,237.5	865.9	866.6	843.4	NA	NA
Unlawful entry	711	637	666	700	315.6	266.7	260.0	260.3	NA	NA
Attempted forcible entry	266	266	267	267	131.0	106.1	107.8	110.8	NA	NA
by residence:										
Residence	2,525	1,666	2,046	2,165	1,120.6	642.4	657.0	606.4	974	961
Nonresidence	1,270	966	1,027	1,056	563.5	421.3	430.3	438.2	913	864
by time of occurrence:										
Occurred during the night	1,506	1,177	1,177	1,242	666.0	466.4	463.1	515.3	NA	NA
Occurred during the day	1,263	966	1,025	1,110	666.3	466.6	429.2	460.6	NA	NA
<b>Larceny-theft, total</b>	7,137	6,662	6,626	7,267	3,167.6	2,791.3	2,801.2	3,016.3	363	466
by type of crime:										
Pocket picking	66	76	79	64	37.9	32.1	32.9	34.6	257	246
Auto snatching	107	61	63	65	47.5	34.4	35.0	36.6	206	206
Shoplifting	773	666	666	1,072	343.0	374.7	405.3	444.6	66	66
From motor vehicles	1,231	1,237	1,366	1,500	546.4	523.7	573.3	622.0	426	426
Motor vehicle accessories	1,366	1,166	1,156	1,207	606.2	502.0	486.2	500.5	263	262
Motorcycles	716	541	566	521	317.5	226.1	237.3	216.2	156	167
From buildings	1,167	1,046	1,076	1,100	526.9	444.2	451.6	456.5	615	646
From coin-operated machines	56	57	60	66	25.6	24.0	24.9	27.0	130	126
Other	1,613	1,461	1,566	1,612	715.7	627.0	656.7	666.6	562	606
<b>Motor vehicles, total</b>	1,132	1,062	1,166	1,264	562.2	437.1	462.6	507.6	4,616	4,666
Automobiles	645	763	632	646	374.6	331.5	346.5	362.6	NA	NA
Trucks and buses	146	146	156	166	66.1	61.6	65.4	66.0	NA	NA

NA Not available. <sup>1</sup> Includes other crimes not shown separately. <sup>2</sup> Includes other types of motor vehicles not shown separately.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

### NO. 271. NUMBER AND RATE OF VICTIMIZATIONS FOR CRIMES AGAINST PERSONS AND HOUSEHOLDS BY TYPE: 1973 TO 1985

[Data based on National Crime Survey, see text, section 5, and Appendix III]

YEAR OR PERIOD	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes						Larceny/ theft	Total	Burglary	Larceny	Motor vehicle
		Total	Rape	Robbery	Assault							
					Total	Aggravated	Simple					
NUMBER (1,000)												
1973	20,322	5,351	156	1,106	4,087	1,655	2,432	14,971	15,340	6,459	7,537	1,344
1974	21,399	5,510	163	1,199	4,148	1,735	2,413	15,889	17,012	6,721	8,933	1,358
1975	21,867	5,573	154	1,147	4,272	1,831	2,441	16,294	17,400	6,744	9,223	1,433
1976	22,116	5,599	145	1,111	4,344	1,695	2,649	16,519	17,199	6,863	9,301	1,335
1977	22,835	5,902	154	1,083	4,664	1,738	2,926	16,833	17,480	6,765	9,418	1,397
1978	22,991	5,941	171	1,038	4,732	1,708	3,024	17,050	17,421	6,704	9,352	1,365
1979	22,541	6,159	192	1,116	4,851	1,789	3,062	16,382	18,706	6,885	10,830	1,391
1980	21,430	6,130	174	1,209	4,747	1,707	3,041	15,300	18,621	6,973	10,468	1,380
1981	22,445	6,582	176	1,381	5,024	1,798	3,226	15,883	19,009	7,394	10,176	1,415
1982	22,012	6,459	153	1,334	4,973	1,754	3,219	15,553	17,744	6,863	9,705	1,376
1983	20,561	5,903	154	1,148	4,600	1,517	3,083	14,657	16,440	6,063	9,114	1,363
1984	19,743	5,954	160	1,117	4,657	1,673	2,984	13,789	15,733	5,843	8,750	1,340
1985	19,296	5,823	138	966	4,699	1,605	3,094	13,474	15,588	5,594	8,703	1,291
RATE <sup>1</sup>												
1973	123.6	32.6	1.0	6.7	24.9	10.1	14.8	91.1	217.5	91.7	107.0	16.8
1974	126.1	33.0	1.0	7.2	24.8	10.4	14.4	95.1	235.7	93.1	123.8	16.8
1975	126.9	32.8	.9	6.6	25.2	9.8	15.4	96.0	236.5	91.7	126.4	16.8
1976	128.7	32.6	.8	6.5	25.3	9.9	15.4	96.1	229.4	88.9	124.1	16.8
1977	131.2	33.9	.9	6.2	26.8	10.0	16.8	97.3	226.8	88.5	123.3	17.1
1978	130.5	33.7	1.0	5.9	26.9	9.7	17.2	96.8	223.4	86.0	119.9	17.1
1979	126.4	34.5	1.1	6.3	27.2	9.9	17.3	91.9	235.3	84.1	133.7	17.1
1980	116.3	33.3	.9	6.6	25.6	9.3	16.5	83.0	227.4	84.3	126.5	16.8
1981	120.4	35.3	1.0	7.4	27.0	9.8	17.3	85.1	226.0	87.9	121.0	17.1
1982	116.8	34.3	.9	7.1	26.4	9.3	17.1	82.5	206.2	78.2	113.9	16.8
1983	107.9	31.0	.8	6.0	24.1	8.0	16.2	76.9	189.8	70.0	105.2	14.4
1984	102.6	31.0	.9	5.6	24.3	8.7	15.5	71.8	178.7	64.1	98.4	16.8
1985	99.4	30.0	.7	5.1	24.2	8.3	15.9	69.4	174.4	62.7	97.5	14.4

<sup>1</sup> Rate per 1,000 persons, 12 years old and over; and per 1,000 households.

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

### NO. 272. CRIMES AGAINST THE ELDERLY—NUMBER AND RATE OF VICTIMIZATIONS, BY TYPE: 1973 TO 1985

[Covers persons 65 years old and over. Data based on National Crime Survey, see text, section 5, and Appendix III]

YEAR	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes				Crimes of theft			Total	Burglary	Larceny	Motor vehicle
		Total	Rape <sup>1</sup>	Robbery	Assault	Total <sup>2</sup>	Purse snatching	Pocket picking				
<b>NUMBER (1,000)</b>												
1973	625.8	173.0	2.4	101.3	69.3	452.6	29.8	37.1	1,487.2	746.6	644.8	97.6
1974	646.3	186.3	4.1	81.3	102.9	458.0	29.9	41.5	1,853.4	781.2	612.0	99.8
1975	663.2	186.6	1.2	92.3	73.3	526.4	36.8	31.3	1,707.5	774.1	644.8	99.8
1976	737.5	186.9	1.0	75.1	90.8	570.6	26.3	45.1	1,713.3	742.4	690.5	90.4
1977	698.7	186.3	2.7	75.8	99.8	530.4	24.1	30.4	1,683.4	754.2	671.0	98.2
1978	706.3	180.6	2.4	69.5	108.6	526.7	29.4	37.2	1,618.6	703.9	639.9	90.8
1979	648.1	138.9	.9	56.0	79.9	509.2	36.5	44.6	1,718.2	718.7	617.5	75.5
1980	766.6	165.9	2.6	62.5	90.7	602.7	33.4	58.2	1,626.5	602.1	590.1	90.8
1981	752.6	195.1	2.7	99.3	93.1	557.5	21.1	51.6	2,109.6	921.1	1,077.2	111.3
1982	738.7	146.3	1.5	66.0	76.8	592.4	34.0	45.6	1,744.3	709.4	646.4	94.5
1983	741.6	144.3	1.4	63.9	78.9	597.3	32.8	63.8	1,695.1	754.2	680.2	90.8
1984	680.1	128.7	1.4	57.5	69.8	531.4	21.9	42.9	1,622.1	666.5	651.9	93.7
1985	627.6	122.7	1.5	42.8	78.4	504.9	14.1	57.8	1,455.7	609.5	758.4	97.8
<b>RATE <sup>3</sup></b>												
1973	30.7	8.6	.1	5.0	3.4	22.2	1.5	1.8	107.8	55.1	47.4	5.1
1974	30.9	9.0	.2	3.9	4.9	21.9	1.4	2.0	117.9	54.3	57.9	5.1
1975	32.3	7.8	.1	4.3	3.4	24.5	1.8	1.5	116.7	53.8	58.7	5.1
1976	33.6	7.6	.1	3.4	4.1	26.0	1.2	2.1	115.8	50.2	59.5	5.1
1977	31.1	7.5	.1	3.4	4.0	23.6	1.1	1.4	110.9	49.7	57.4	5.1
1978	30.9	7.8	.1	3.0	4.7	23.0	1.3	1.6	104.0	45.2	63.6	5.1
1979	27.6	6.9	(2)	2.5	3.4	21.6	1.6	1.9	107.5	45.0	57.5	5.1
1980	31.4	8.8	.1	3.4	3.3	24.6	1.4	2.3	109.8	46.2	67.7	5.1
1981	30.1	7.8	.1	4.0	3.7	22.3	.9	2.1	124.2	54.2	69.4	5.1
1982	28.9	6.7	.1	2.7	3.0	23.2	1.3	1.8	100.8	40.9	64.5	5.1
1983	28.4	6.5	.1	2.6	3.0	22.9	1.3	2.1	94.8	42.2	48.1	5.1
1984	24.9	4.8	.1	2.2	2.6	20.0	.9	1.6	86.4	38.5	48.4	5.1
1985	23.1	4.8	.1	1.6	2.9	18.6	.5	2.1	78.1	32.7	49.7	4.4

<sup>2</sup> Less than .05. <sup>1</sup> Yearly estimates are based on fewer than 10 sample cases. <sup>3</sup> Includes personal thefts with contact not shown separately. <sup>4</sup> Rate per 1,000 persons 65 years old and over; and per 1,000 households headed by persons 65 years old and over.

Source: U.S. Bureau of Justice Statistics, *Crime and the Elderly*, December 1981 and unpublished data.

No. 273. VICTIMIZATION RATES FOR CRIMES AGAINST PERSONS: 1973 TO 1985

per 1,000 persons, 12 years old and over. Includes attempted crimes. Data based on National Crime Survey; see text, section 5; and Appendix III. Totals exclude personal larceny]

AND CRIME	Total <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	MALE			FEMALE			VICTIM-OFFENDER RELATIONSHIP	
					White	Black	Hispanic <sup>2</sup>	White	Black	Hispanic <sup>2</sup>	Stranger	Non-stranger
	33	32	42	36	43	53	53	21	32	22	22	11
	33	32	41	34	44	54	49	21	29	20	22	11
	33	32	43	40	42	53	50	21	34	30	21	11
	33	31	44	35	42	55	55	21	36	23	21	12
	34	33	42	40	45	57	50	22	29	32	21	13
	34	33	41	37	45	54	54	22	30	23	21	12
	35	34	42	41	44	53	55	24	32	29	22	12
	33	32	41	40	43	53	54	22	31	27	21	12
	35	33	50	39	44	61	53	23	40	26	23	12
	34	33	44	40	42	57	49	25	33	32	22	12
	31	30	41	38	39	50	48	21	33	29	18	13
	31	30	41	35	38	51	45	22	33	26	17	14
	30	29	36	30	38	47	33	21	31	27	18	12

les races not shown separately. <sup>2</sup> Hispanic persons may be of any race.  
: Through 1975, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal*  
tion in the United States, annual.

No. 274. VICTIMIZATION RATES FOR CRIMES AGAINST HOUSEHOLDS: 1973 TO 1985

is per 1,000 households. Includes attempted offenses. Data based on National Crime Survey; see text, section 5, and Appendix III]

EAR AND HOUSEHOLD CHARACTERISTIC	Total	BURGLARY			LARCENY			MOTOR VEHICLE THEFT		
		Total <sup>1</sup>	White	Black	Total <sup>1</sup>	White	Black	Total <sup>1</sup>	White	Black
	218	92	87	133	107	108	104	19	18	24
	236	93	88	135	124	125	112	19	18	26
	237	92	87	129	125	127	115	19	19	27
	229	89	84	131	124	126	112	17	16	21
	229	89	84	122	123	124	116	17	16	21
	223	88	83	115	120	120	121	18	17	21
	235	84	80	114	134	133	133	18	17	22
	227	84	81	115	127	125	134	17	16	25
	226	86	83	134	121	119	142	17	16	24
	208	78	73	117	114	111	132	16	15	25
	190	70	67	98	105	103	119	15	13	25
	179	64	61	92	99	97	115	15	14	26
t All households	174	63	60	63	97	96	120	14	13	22
ner	145	50	48	71	83	80	115	11	10	25
	226	84	84	93	123	124	124	19	19	20
ids with income of—										
\$7,500	195	86	83	100	96	96	102	11	11	10
–\$9,999	177	60	63	46	101	98	125	15	17	(b)
0–\$14,999	182	67	66	78	101	97	135	14	12	29
0–\$24,999	176	59	57	80	104	100	136	14	11	35
0–\$29,999	162	54	51	96	95	92	149	13	10	48
0–\$49,999	173	58	56	90	99	95	154	16	15	32
0 and over	180	56	55	94	104	102	156	21	20	(b)

limited number of victimizations too small to be statistically reliable. <sup>1</sup> Includes other races not shown separately.  
c Through 1975, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal*  
tion in the United States, annual.

275. HOUSEHOLDS TOUCHED BY CRIME, 1981 AND 1986, AND BY TYPE OF HOUSEHOLD, 1986

hold is considered "touched by crime" if during the year it experienced a burglary, auto theft or household theft or if a  
old member was raped, robbed, or assaulted, or a victim of personal theft, no matter where the crime occurred. Data  
on the National Crime Survey; see text, section 5 and Appendix III]

TYPE OF CRIME	1981		1986						
	Num- ber (1,000)	Percent touched	Num- ber (1,000)	Percent touched					
				Total <sup>1</sup>	White	Black	Urban	Sub- urban	Rural
il <sup>2</sup>	24,983	20.0	22,201	24.7	24.4	27.4	28.5	24.2	20.0
rine	4,850	5.9	4,225	4.7	4.4	5.4	5.5	4.5	3.9
	165	.2	121	.1	.1	.3	.2	.1	.1
ry	1,117	1.3	843	.9	.9	1.5	1.4	.8	.5
it	3,890	4.7	3,464	3.8	3.9	4.0	4.2	3.7	3.5
	17,705	21.4	15,582	17.3	17.4	16.8	19.8	17.4	13.9
ail	11,509	13.9	10,098	11.2	11.4	10.0	12.3	11.7	8.7
hold	8,459	10.2	7,236	8.0	7.9	9.1	9.9	7.4	6.6
	6,101	7.4	4,778	5.3	5.0	7.6	6.2	4.8	4.9
hicle theft	1,285	1.6	1,216	1.4	1.2	2.2	1.9	1.3	.6

des other races not shown separately. <sup>2</sup> Types of crime will not add to "total" since each household may report as  
ne categories as experienced.  
U.S. Bureau of Justice Statistics, *Households Touched by Crime*, annual.

## NO. 276. REPORTED CHILD NEGLECT AND ABUSE CASES, BY DIVISION: 1976 TO 1985

(Represents total number of child maltreatment reports documented within the States, including substantiated and unsubstantiated reports. Derived from data provided by State child protective services personnel to the National Study on Child Neglect and Abuse Reporting, conducted by The American Association for Protecting Children, a division of The American Humane Association, and funded through the National Center on Child Abuse and Neglect, CHDS, DHHS. Also, the figures embody the variation among States with respect to whether they use individual child reports or reports which indicate all involved children in the family. For composition of divisions, see fig. 1, inside front cover. Minus sign (-) indicates decline)

YEAR	U.S. total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun- tain	Pacific
Total number of reports (1,000):										
1976	806.6	33.4	76.3	69.1	68.8	98.3	58.5	52.9	38.8	111.7
1979	707.4	41.3	85.5	104.8	86.6	128.2	61.5	61.7	31.9	127.8
1980	785.1	48.3	91.8	105.3	77.7	154.5	66.2	66.7	37.7	141.8
1981	846.2	39.0	101.9	110.5	86.7	174.8	66.1	68.4	37.3	142.5
1982	824.1	49.9	105.5	126.0	96.8	182.1	75.4	66.8	41.5	151.0
1983	1,001.4	56.5	101.0	141.6	93.8	228.5	62.3	103.0	48.5	183.3
1984	1,155.6	55.2	145.6	182.7	107.9	205.4	63.0	116.0	60.0	199.8
1985	1,289.4	58.9	152.2	208.7	107.7	225.0	121.6	128.3	77.8	218.4
Reports per 1,000 population:										
1976	2.7	2.7	2.1	1.7	4.0	2.7	4.1	2.3	3.6	3.7
1979	3.2	3.3	2.3	2.5	3.9	3.8	4.2	2.7	2.9	4.1
1980	3.5	3.9	2.6	2.6	4.5	4.2	4.0	2.9	3.3	4.4
1981	3.7	3.1	2.9	2.7	5.0	4.6	4.5	3.6	3.2	4.4
1982	4.0	4.0	2.9	3.0	5.6	4.8	5.1	3.8	3.6	4.8
1983	4.3	4.7	2.7	3.4	5.4	5.9	4.2	4.0	4.0	4.9
1984	4.9	4.4	3.9	4.4	6.2	5.2	6.2	4.4	4.8	5.5
1985	5.4	4.7	4.1	5.0	6.1	5.6	8.1	4.8	6.1	6.2

<sup>1</sup> Based on Bureau of the Census estimated resident population as of July 1.

Source: American Humane Association, Denver, CO, *National Analysis of Official Child Neglect and Abuse Reporting*, annual and unpublished data.

## NO. 277. CHILD MALTREATMENT CASES REPORTED—SUMMARY: 1976 TO 1985

(In percent, except as indicated. Total number of children reported is generally a duplicate count in that a child may be reported and therefore enumerated more than once each year. Because of differences in enumeration methods, a relatively small number of States (5 to 10) can provide only unduplicated reports, whereas most states provide only duplicated counts)

ITEM	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Number of children reported (1,000):										
Rate per 10,000 children	101	126	129	154	161	194	201	236	273	305
Type of maltreatment:										
Deprivation of necessities	70.7	64.0	62.0	63.1	60.7	59.4	62.5	58.4	54.8	56.7
Minor physical injury	18.9	20.8	21.2	15.4	18.8	20.4	16.8	18.5	17.7	15.4
Sexual maltreatment	3.2	6.1	6.6	5.8	6.8	7.5	6.9	8.5	13.3	11.7
Emotional maltreatment	21.6	25.4	23.8	14.8	13.5	11.9	10.0	10.1	11.2	8.9
Unspecified physical injury	.5	.4	.4	2.5	3.1	3.2	4.7	5.2	3.6	4.1
Major physical injury	3.1	3.7	3.6	4.4	3.9	4.1	2.4	3.2	3.3	2.2
Other maltreatment	7.8	7.5	7.4	8.9	7.7	11.7	9.2	6.3	6.6	10.2
Characteristics of child involved:										
Age, average (years)	7.7	7.6	7.4	7.6	7.3	7.2	7.1	7.1	7.2	7.1
Sex:										
Male	50.0	49.0	49.4	49.5	49.8	49.2	49.5	48.9	48.0	48.1
Female	50.0	50.1	50.6	50.5	50.2	50.5	50.5	51.1	52.0	51.9
Race:										
White	61.1	67.7	67.1	65.7	60.4	67.8	64.9	67.5	67.0	69.0
Black	19.6	19.1	21.1	22.2	18.8	21.7	21.7	19.7	20.8	20.0
Hispanic	11.1	6.6	8.0	9.2	9.7	8.6	10.9	9.9	9.6	9.6
Other	8.0	6.3	3.6	2.9	2.0	1.9	2.4	2.9	2.6	9.4
Characteristics of caretaker:										
Age, average (years)	32.6	32.0	32.0	31.9	31.7	31.6	31.4	31.6	31.9	32.1
Sex:										
Male	36.9	39.1	38.0	37.6	37.5	36.6	36.5	36.9	36.5	36.0
Female	61.1	60.9	62.0	62.4	62.5	63.2	63.5	63.1	61.5	64.0
Race:										
White	65.3	71.5	70.4	72.1	72.7	73.0	70.8	73.1	74.5	74.0
Black	17.0	15.9	17.2	17.5	16.6	16.8	19.1	17.5	17.5	16.0
Hispanic	10.0	6.4	6.6	4.9	5.1	4.7	6.1	6.6	5.5	5.6
Other	7.7	6.2	2.8	5.5	5.6	3.7	4.0	2.6	2.5	7.4
Family characteristics:										
Single female headed families	36.6	36.7	40.7	41.6	39.3	43.1	43.4	40.3	37.4	36.0
Children in household, average (number)	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Families receiving public assistance	45.0	46.5	43.9	48.3	44.2	43.4	43.4	47.4	46.3	46.0
Characteristics of perpetrator:										
Age, average (years)	32.3	31.7	31.7	32.0	31.4	33.8	31.2	31.3	31.5	31.6
Sex:										
Male	39.0	39.2	39.0	38.1	41.2	39.3	38.8	40.4	43.0	41.0
Female	61.0	60.8	61.0	61.9	58.8	60.7	61.4	59.6	57.0	59.0
Race:										
White	66.1	71.2	71.2	71.2	72.0	71.1	66.0	66.5	66.9	66.0
Black	17.7	16.5	18.4	19.1	17.6	19.7	19.7	16.7	16.1	16.1
Hispanic	8.5	6.3	7.4	7.2	8.3	7.5	9.2	8.8	8.3	8.3
Other	7.7	6.0	3.0	2.5	2.1	1.7	2.1	2.0	1.6	1.6

NA Not available.

Source: American Humane Association, Denver, CO, *National Study on Child Neglect and Abuse Reporting*, annual.

## NO. 276. PERSONS ARRESTED BY SEX, AGE, AND RACE: 1975 TO 1986

†† data represent agencies reporting 6 to 12 months; thereafter, data represent those agencies reporting 12 months. See also *Historical Statistics, Colonial Times to 1970*, series H 909-1011.]

ITEM	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>SEX AND AGE</b>										
reporting	Number	8,061	11,758	12,042	12,811	9,832	10,827	9,878	11,249	10,743
on represented	Million	179	205	206	214	187	201	180	203	198
nt of total population <sup>1</sup>	Percent	84.1	83.0	82.4	83.8	80.9	85.8	78.2	85.0	82.3
rested <sup>2</sup>	1,000	8,014	9,508	9,703	10,290	10,062	10,287	8,822	10,290	10,382
	1,000	8,752	8,011	8,170	8,833	8,425	9,582	7,433	8,499	8,508
nt of total	Percent	84.3	84.3	84.2	83.9	83.7	83.4	83.3	82.6	82.6
nt under 18 years	Percent	25.5	21.3	19.7	18.8	17.0	15.8	16.1	18.1	15.8
	1,000	1,262	1,496	1,533	1,680	1,637	1,705	1,489	1,791	1,808
nt of total	Percent	15.7	15.7	15.8	16.1	16.3	16.6	16.7	17.4	17.4
nt under 18 years	Percent	35.5	29.4	27.1	25.0	22.6	21.5	22.8	22.0	21.6
8 years	1,000	2,078	2,143	2,026	2,036	1,805	1,726	1,538	1,783	1,748
nt of total	Percent	25.9	22.5	20.9	19.8	17.9	16.8	17.2	17.1	16.8
18-24 years	1,000	2,482	3,279	3,426	3,594	3,527	3,513	2,970	3,335	3,325
25-44 years	1,000	1,548	2,108	2,238	2,582	2,862	2,882	2,540	3,030	3,148
45-64 years	1,000	870	983	1,001	1,089	1,115	1,211	1,075	1,262	1,323
65 and over	1,000	644	800	574	593	554	570	480	530	512
	1,000	386	385	378	400	370	375	318	350	335
<b>RACE</b>										
reporting	Number	7,963	11,689	12,013	12,747	9,789	10,785	9,851	11,231	10,899
on represented	Million	166	204	206	214	186	200	179	202	198
nt of total population <sup>1</sup>	Percent	78.5	82.8	82.3	83.3	80.5	85.5	78.0	84.7	82.0
rested <sup>2</sup>	1,000	7,871	9,468	9,684	10,264	10,000	10,248	8,891	10,239	10,335
	1,000	5,539	6,849	7,148	7,482	7,070	7,291	6,529	7,338	7,371
	1,000	1,935	2,343	2,375	2,519	2,777	2,796	2,218	2,721	2,789
	1,000	197	276	163	163	153	151	146	181	178

on resident population as of July 1, except 1980 based on April 1 census count. <sup>2</sup> Represents each person arrested a number of charges filed against each. Through 1981, includes persons for whom age was not known, not shown in breakdown by age.

U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

## NO. 279. PERSONS ARRESTED, BY CHARGE, SEX, AND AGE: 1986

†† arrests (not charges) reported by 10,743 agencies (reporting 12 months) with a total 1986 population of 198 million as estimated by FBI]

CHARGE	Total (1,000)	PERCENT DISTRIBUTION							
		Male	Under 15 yr	Under 18 yr	18-24 yr.	25-44 yr	45-64 yr.	65-84 yr	85 yr. and over
all arrests	10,382	83.8	5.3	18.6	32.0	43.8	4.9	2.3	.9
all crimes <sup>1</sup>	2,187	78.9	11.8	29.6	39.8	34.8	3.3	1.6	.9
d nonnegligent manslaughter	16	87.7	1.0	8.7	32.8	49.1	5.8	2.5	1.5
d	31	89.9	4.9	15.4	30.0	47.8	4.5	1.8	.7
d assault	124	92.2	5.3	22.5	39.4	38.2	1.3	.4	.2
d	294	88.8	3.7	12.8	29.6	48.1	5.5	2.2	.9
larceny	376	92.1	12.5	36.9	35.3	27.0	1.2	.4	.1
larceny	1,162	89.3	13.2	32.0	28.1	32.8	3.7	2.1	1.3
motor vehicle theft	129	80.5	9.3	39.2	34.3	24.8	1.4	.4	.1
other	18	88.3	24.7	40.4	22.5	30.7	4.2	1.8	.6
other nonserious crimes	8,225	83.8	3.6	13.4	32.4	48.4	6.4	2.5	.9
burglary	504	84.8	5.1	14.5	30.1	48.3	4.7	1.8	.7
robbery	77	88.1	1.4	8.5	37.3	49.0	3.1	.9	.3
kidnapping	285	86.7	2.4	6.2	26.8	58.5	5.9	1.9	.6
sex offenses	11	83.6	.5	8.6	35.6	50.0	5.7	1.8	.3
drugs	114	88.6	6.7	25.2	37.5	33.8	2.5	.9	.3
drugs	223	89.5	20.3	42.8	29.0	25.4	1.8	.7	.3
(carrying, etc.)	160	92.6	4.0	15.7	34.2	42.7	4.8	2.0	.8
alcohol and commercialized vice	87	34.8	.3	2.3	41.8	52.1	2.4	1.2	.5
disorderly conduct	84	92.1	7.3	18.4	23.5	48.6	7.4	4.1	2.0
public intoxication	692	85.5	1.4	9.9	38.8	48.2	2.4	.8	.2
other	26	82.8	.4	2.4	15.5	52.8	18.0	9.3	4.0
against family and children	47	85.0	2.7	5.3	24.6	62.3	5.7	1.6	.5
sexual offenses	1,459	88.5	(2)	1.8	26.8	56.2	6.2	4.0	1.2
other	490	83.2	2.1	27.0	48.8	19.6	2.8	1.3	.4
other	778	91.1	.4	3.4	25.3	52.9	10.5	5.9	2.0
conduct	565	81.8	4.0	14.7	37.1	40.3	4.3	2.5	1.0
other	33	88.1	1.6	7.7	29.2	49.3	6.6	3.9	1.3
other	7	83.4	11.3	34.8	29.7	31.6	2.5	1.1	.3
driving (juveniles)	73	74.5	26.5	100.0	(0)	(0)	(0)	(0)	(0)
driving (juveniles)	139	42.3	40.4	100.0	(0)	(0)	(0)	(0)	(0)
driving, except traffic	2,273	84.6	3.1	12.2	34.9	45.6	4.8	2.0	.8

applicable. <sup>2</sup> Less than .05 percent. <sup>1</sup> Includes arson arrests, a newly established index offense in 1979. <sup>2</sup> Buying, receiving, possessing. <sup>3</sup> Excludes forcible rape and prostitution, shown separately.

U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

## NO. 290. ARSON—SUMMARY BY PROPERTY TYPE: 1984 TO 1986

[10,046 agencies reporting. Includes only fires determined through investigation to have been willfully or maliciously set, including attempts]

PROPERTY TYPE	NUMBER OF OFFENSES			PERCENT CLEARED BY ARREST			PERCENT OF CLEARANCES UNDER 18			AVERAGE DAMAGE (dol.)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
Total.....	82,338	86,455	87,586	18.2	18.8	18.2	36.8	36.1	36.5	10,378	15,457	13,168
Structure, total.....	47,738	48,263	47,846	22.9	22.8	22.5	34.9	34.7	35.0	16,310	25,837	21,969
Single occupancy residential.....	19,947	20,184	20,497	23.2	23.4	22.8	29.1	28.0	30.6	11,775	13,143	12,418
Other residential.....	6,182	6,221	6,086	24.2	24.3	24.7	27.0	28.9	30.7	12,143	11,526	12,048
Storage.....	4,955	5,159	4,980	17.7	18.5	18.5	49.4	50.8	49.0	17,000	20,536	45,258
Industrial/manufacturing.....	763	899	756	13.0	14.8	15.1	30.3	30.8	32.5	52,178	517,807	64,688
Other commercial.....	6,149	6,118	5,909	17.2	16.9	16.4	24.1	27.8	24.9	29,716	35,274	36,054
Community/public.....	5,112	5,043	4,737	34.1	34.2	34.2	54.1	52.2	54.6	13,226	15,460	35,618
Other structure.....	2,628	2,638	2,871	20.2	18.6	18.4	50.1	45.6	46.0	17,908	8,298	13,780
Mobile, total.....	20,036	22,324	24,485	10.8	10.9	10.2	20.3	19.8	19.8	3,470	3,707	3,861
Motor vehicle.....	18,304	20,487	22,578	10.4	10.4	9.9	18.1	18.2	18.3	3,084	3,343	3,988
Other mobile.....	1,732	1,837	1,907	16.3	16.4	14.1	35.3	30.6	31.6	7,542	7,777	7,940
Other.....	14,588	15,868	15,254	18.6	17.6	17.2	56.6	61.4	64.6	444	415	1,008

<sup>1</sup> One arson reported in 1985 involved damage to industrial/manufacturing structures of over \$400 million, inflating the average damage values.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

## NO. 281. HOME CRIME PREVENTION MEASURES UNDERTAKEN BY HOUSEHOLDS: 1984

[See headnote, table 282]

CHARACTERISTIC <sup>1</sup>	PERCENT OF HOUSEHOLDS THAT—				CHARACTERISTIC <sup>1</sup>	PERCENT OF HOUSEHOLDS THAT—			
	Have taken at least one measure	Have a burglar alarm	Joined a neighborhood watch program	Engraved valuables with an identifying number		Have taken at least one measure	Have a burglar alarm	Joined a neighborhood watch program	Engraved valuables with an identifying number
Total.....	38	7	7	26	Educational attainment: <sup>2</sup>				
Age of householder.....					Elementary school.....	18	5	4	12
18-19 years.....	41	(8)	6	36	High school.....	32	8	8	24
20-24 years.....	34	4	4	30	College.....	41	9	10	32
25-34 years.....	35	5	7	29	Family income: <sup>3</sup>				
35-49 years.....	36	8	10	29	Less than \$7,500.....	22	5	4	16
50-64 years.....	32	8	9	23	\$7,500-\$9,999.....	26	6	5	20
65 years and over.....	23	8	6	16	\$10,000-\$14,999.....	28	4	6	32
Race.....					\$15,000-\$24,999.....	35	5	7	29
White.....	33	6	7	26	\$25,000-\$29,999.....	40	7	9	31
Black.....	33	8	10	23	\$30,000-\$49,999.....	41	8	11	32
Other.....	32	(8)	(8)	24	\$50,000 or more.....	51	16	15	35

B. Base figure too small to meet statistical standards for reliability of derived figure. <sup>1</sup> Individual characteristics are those of the household respondent. <sup>2</sup> The highest grade or year completed. <sup>3</sup> Income of all family members during the 12 months prior to the interview.

## NO. 282. SECURITY MEASURES AT WORK PLACE, BY SIZE OF ESTABLISHMENT: 1984

[In percent. Represents respondents who reported. Based on the Victimization Risk Survey that was administered as part of the National Crime Survey in February of 1984. See source for details]

SECURITY MEASURES	NUMBER OF EMPLOYEES IN ESTABLISHMENT				SECURITY MEASURES	NUMBER OF EMPLOYEES IN ESTABLISHMENT			
	Total <sup>1</sup>	1-10	11-50	51 or more		Total <sup>1</sup>	1-10	11-50	51 or more
Receptionist or guard who checks people in.....	42	22	40	65	Entry or gate kept locked during working hours.....	16	9	12	39
Burglar alarm system.....	33	26	38	43	Surveillance camera.....	16	6	11	26
Police or guard for protection.....	30	11	18	54	Guard dog.....	2	4	2	9
Pass or I.D. required for entrance.....	19	5	8	38	At least one of these measures.....	67	53	71	69

<sup>1</sup> Includes respondents for whom size of establishment was not known or not ascertained.

Source of tables 281 and 282: U.S. Bureau of Justice Statistics, *Crime Prevention Measures*, Special Report, March 1986.



No. 283. LAW ENFORCEMENT OFFICERS KILLED, BY DIVISION, OR ASSAULTED, BY TYPE OF WEAPON USED: 1975 TO 1986

Officers killed feloniously and accidentally in line of duty; includes Federal officers. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 987-998]

ITEM	1975	1977	1978	1979	1980	1981	1982	1982	1984	1985	1986
Total killed.....	<sup>1</sup> 165	<sup>2</sup> 125	145	<sup>3</sup> 164	<sup>4</sup> 165	<sup>5</sup> 157	<sup>6</sup> 164	<sup>6</sup> 152	147	<sup>7</sup> 148	131
East.....	28	14	17	21	31	17	17	20	21	19	15
West.....	40	26	24	28	23	29	41	26	22	23	19
1.....	71	65	69	77	72	80	75	84	69	64	62
.....	38	18	31	32	32	27	27	34	32	29	29
Puerto Rico.....	8	1	4	4	6	3	3	6	3	10	6
ASSAULTS											
Population (1,000) <sup>a</sup> .....	151,927	168,868	180,948	182,027	182,288	177,836	176,583	198,341	195,794	198,935	196,030
Per of—											
Indices represented.....	7,435	8,742	9,150	9,638	9,235	9,019	8,829	9,908	10,002	9,908	9,755
Police officers.....	290,638	322,205	347,681	340,784	345,554	332,856	319,101	377,620	372,266	389,808	380,249
Assaulted.....	44,867	48,158	58,130	59,031	57,847	57,116	58,775	62,324	60,183	61,724	64,288
Stun.....	3,282	2,809	3,065	3,237	3,295	3,330	2,842	3,087	2,654	2,793	2,852
Knife or cutting instrument.....	1,287	1,481	1,761	1,720	1,653	1,733	1,452	1,829	1,662	1,715	1,614
Other dangerous weapon.....	4,516	4,626	5,485	5,543	5,415	4,800	4,879	5,527	5,148	5,263	5,721
Knives, fists, feet, etc.....	35,782	40,240	45,819	48,531	47,484	47,253	46,802	51,901	50,669	51,953	54,072

Includes one officer each in Virgin Islands and Guam. <sup>2</sup>Includes one officer in Virgin Islands. <sup>3</sup>Includes 2 officers in U.S. <sup>4</sup>Includes one officer in American Samoa. <sup>5</sup>Includes one officer in Mariana Islands. <sup>6</sup>Includes one officer each in Guam and Mariana Islands. <sup>7</sup>Includes one officer in Guam and 2 in foreign locations. <sup>a</sup>Represents the number of officers covered by agencies shown.

Source: U.S. Federal Bureau of Investigation, *Law Enforcement Officers Killed and Assaulted*, annual.

No. 284. ALIENS EXPELLED AND IMMIGRATION VIOLATIONS: 1970 TO 1986

Fiscal years ending in year shown. See text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series C 144, C 149, and C 158-160]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Aliens expelled.....	1,000.....	320	679	982	736	837	824	944	931	1,067	1,812
Admitted.....	1,000.....	17	23	26	17	17	14	17	18	21	23
Admitted without inspection or by false statements.....	Percent.....	47.6	70.5	87.0	84.0	82.6	81.4	79.6	80.8	80.8	79.7
Admitted to depart.....	1,000.....	303	656	966	719	820	810	927	913	1,046	1,589
Prosecutions disposed of.....	Number.....	6,034	14,172	17,388	14,863	16,005	14,138	16,493	17,860	17,828	23,405
Immigration violations.....	Number.....	5,510	13,947	16,970	14,496	15,602	13,712	15,848	16,969	16,978	22,496
Naturalization violations.....	Number.....	524	225	428	365	403	428	645	991	712	909
Convictions.....	Number.....	5,497	12,811	15,463	12,935	12,771	10,320	11,233	10,546	9,833	15,289
Immigration violations.....	Number.....	4,991	12,676	15,163	12,678	12,509	10,058	10,947	10,237	9,635	14,995
Naturalization violations.....	Number.....	506	135	300	257	262	262	286	309	198	264

No. 285. IMMIGRATION BORDER PATROL AND INVESTIGATION ACTIVITIES: 1970 TO 1986

In thousands, except as indicated. For fiscal years ending in year shown, except as indicated. See text, section 9]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
BORDER PATROL										
Border patrol agents:										
Authorized (number).....	1,724	1,803	2,339	2,484	2,289	2,429	2,413	2,409	3,228	3,273
On duty (number).....	1,708	1,708	1,909	2,329	2,218	2,186	2,291	2,281	3,023	2,948
Border patrol obligations (\$1,000).....	28,447	55,254	71,021	82,534	85,610	98,774	110,174	114,088	141,902	150,418
Aliens apprehended <sup>1</sup> .....	233.9	602.2	896.9	766.6	833.2	828.0	1,115.4	1,135.0	1,272.4	1,705.3
Detainable aliens located.....	231.1	596.8	888.7	759.4	825.3	819.9	1,105.7	1,138.6	1,262.4	1,692.5
Mexican.....	219.3	579.4	866.8	734.2	797.9	795.4	1,076.3	1,102.6	1,218.7	1,635.7
Canadian.....	7.8	7.3	5.7	5.3	5.8	5.7	5.9	5.8	5.9	6.2
Other.....	4.1	10.1	16.2	19.9	21.6	18.8	23.5	30.2	37.8	50.6
Agencies of aliens located.....	3.3	6.9	15.3	13.1	12.6	11.8	13.4	13.5	14.7	19.3
Apprehended aliens apprehended.....	18.7	80.4	172.7	112.6	90.1	80.4	86.7	91.7	95.7	114.7
Aliens located:										
Previously expelled.....	67.4	184.6	259.1	211.0	256.9	244.1	328.1	331.4	372.0	452.1
Previous criminal record.....	3.8	10.3	12.4	11.3	12.5	9.3	9.2	8.7	9.8	14.2
Interviews examined.....	1,792	3,470	4,030	3,849	4,639	5,371	5,489	5,144	4,901	6,122
Automobiles.....	1,311	2,663	2,791	2,590	3,074	3,613	3,861	3,710	3,468	4,519
Persons questioned <sup>2</sup> .....	6,805	11,265	11,900	10,844	12,492	14,238	14,474	14,279	13,490	17,546
Automobiles.....	3,416	6,868	6,841	6,328	7,187	8,477	8,722	8,926	8,093	10,904
Destrians.....	1,661	2,056	2,314	1,706	1,862	1,965	2,119	2,089	2,063	2,767
Number of seizures.....	320	917	421	1,920	2,441	4,033	5,807	6,456	7,827	10,464
Value of seizures (\$1,000).....	4,547	28,654	9,967	116,115	17,348	15,178	43,536	60,303	138,795	194,710
Narcotics (\$1,000).....	3,865	26,302	8,448	110,272	10,236	5,242	28,729	43,475	119,056	161,750
INVESTIGATION										
Detainable aliens located.....	114.1	169.8	187.7	150.9	128.1	142.8	140.8	102.9	83.9	72.8
Mexican.....	58.1	100.9	132.1	63.3	76.2	92.1	96.0	66.2	48.3	35.8
Canadian.....	3.5	.9	1.7	1.5	1.5	1.6	1.5	1.1	1.1	1.2
Other.....	52.5	68.0	53.9	86.1	50.4	49.1	43.3	35.6	34.5	35.8

<sup>1</sup>Covers deportable aliens located and U.S. citizens engaged in smuggling or other immigration violations. <sup>2</sup>Includes types not shown separately. Source of tables 284 and 285: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual, and unpublished data.



## No. 266. DRUG REMOVALS, LABORATORY SEIZURES, AND PERSONS INDICTED, BY DEA: 1983 TO 1986

(Represents domestic drug removals. 1 kg = .454 lbs; du = dosage unit. Minus sign (-) indicates decrease)

ITEM	Unit	1983	1984	1985	1986	PERCENT CHANGE		
						1983-84	1984-85	1985-86
Domestic drug removals:								
Heroin	kg	302	348	447	384	14.8	29.2	-18.6
Cocaine	kg	7,389	11,742	18,129	27,089	58.7	54.4	48.4
Cannabis (Marijuana)	kg	1,029,825	1,389,825	744,842	825,445	35.9	-46.8	10.9
Dangerous drugs	du	19,785,043	13,777,025	25,958,327	48,222,026	-30.4	86.5	76.0
Clandestine laboratory seizures	Number	235	290	338	509	23.4	16.6	50.8
Narcotic Title III intercepts	Number	76	83	136	85	9.2	63.9	-37.5
Asset removals:								
Total seizures	\$1,000	(NA)	150,875	248,344	306,819	(NA)	63.2	61.1
DEA seizures	\$1,000	95,650	92,545	171,866	306,893	-3.2	86.7	79.6
Seizures through interagency cooperation	\$1,000	(NA)	58,431	74,456	86,226	(NA)	27.4	16.5
DEA forfeitures	\$1,000	(NA)	30,248	59,189	59,508	(NA)	95.7	.5
Fines <sup>1</sup>	\$1,000	(NA)	16,447	7,404	(NA)	(NA)	-55.0	(NA)
Judicial bond forfeitures	\$1,000	(NA)	3,489	2,161	(NA)	(NA)	-38.1	(NA)
Abandonments	\$1,000	(NA)	386	617	(NA)	(NA)	56.8	(NA)
Arrests	Number	12,997	13,129	15,727	18,094	1.0	18.8	16.6
Convictions	Number	9,973	10,809	10,519	12,154	8.4	-2.7	15.5
Number of persons indicted	Number	(NA)	6,442	9,279	11,484	(NA)	44.0	23.4

NA Not available. <sup>1</sup> Refers to all criminal and civil fees levied.Source: Drug Enforcement Administration (DEA), *Annual Statistical Report*.

## No. 267. AUTHORIZED INTERCEPTS OF COMMUNICATION—SUMMARY: 1970 TO 1986

(Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication)

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Jurisdictions: <sup>1</sup>													
With wiretap statutes	19	24	24	24	24	26	28	29	29	31	31	32	32
Reporting interceptions	12	18	21	19	20	20	22	22	22	20	24	22	24
Intercept applications authorized	566	701	686	626	570	553	584	589	578	646	601	784	754
Intercept installations	582	676	635	601	580	533	524	562	518	602	773	722	676
Federal	179	106	138	77	81	67	79	106	129	205	277	235	247
State	403	570	498	524	479	446	445	456	389	397	496	487	429
Intercepted communications, avg. <sup>2</sup>	656	654	662	658	738	666	1,058	848	1,082	1,107	1,209	1,320	1,388
Incriminating	296	305	272	268	205	252	315	190	209	229	296	275	283
Persons arrested <sup>3</sup>	1,674	2,234	2,180	2,191	1,825	1,717	1,671	1,735	1,725	1,716	2,383	2,489	2,410
Convictions <sup>4</sup>	161	336	358	372	337	368	256	248	453	521	648	660	781
Major offense specified:													
Gambling	325	406	378	265	241	204	199	156	150	157	186	206	189
Drugs	127	178	190	237	195	250	282	318	333	360	483	434	346
Homicide and assault	21	16	10	22	25	29	13	33	31	31	30	25	34
Other	123	99	106	102	109	70	70	62	64	100	102	119	183

<sup>1</sup> Jurisdictions include Federal Government, States, and beginning 1975, District of Columbia. <sup>2</sup> Average per authorized installation. <sup>3</sup> Based on information received from intercepts installed in year shown.Source: Administrative Office of the U.S. Courts, *Report on Applications for Orders Authorizing or Approving the Interception of Wire or Oral Communications*, (Wiretap Report), annual.

## No. 268. CRIMINAL JUSTICE SYSTEM—PUBLIC EXPENDITURES AND EMPLOYMENT, BY LEVEL OF GOVERNMENT: 1980 TO 1985

(Expenditures are for fiscal years. Employment as of October. Expenditures are direct expenditures only and on cash flow basis. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 1012-1027 for similar data)

LEVEL OF GOVERNMENT AND ACTIVITY	EXPENDITURES (mil. dol.)			FULL-TIME EQUIVALENT EMPLOYMENT					
				Total <sup>1</sup> (1,000)			Rate <sup>2</sup>		
	1980	1983	1985	1980	1983	1985	1980	1983	1985
All governments	22,864	39,680	45,807	910	1,223	1,388	40.2	54.0	57.3
Police	15,163	20,648	22,014	647	869	893	28.6	29.5	29.8
Judicial and legal	(NA)	8,621	10,070	(NA)	244	262	(NA)	10.3	11.6
Corrections	6,901	10,411	13,034	263	311	387	11.6	13.7	16.2
Federal government	2,126	4,844	5,884	86	194	108	2.9	4.8	4.8
Police	1,739	2,745	2,768	56	64	61	2.5	2.8	2.8
Judicial and legal	(NA)	1,523	1,999	(NA)	30	32	(NA)	1.3	1.3
Corrections	387	576	707	10	10	14	.4	.4	.8
State governments	6,286	11,709	14,884	236	382	431	10.4	15.5	18.1
Percent of total	28.5	29.5	32.2	25.8	26.8	31.5	(X)	(X)	00
Police	2,027	2,630	3,228	75	77	90	3.3	3.4	4.1
Judicial and legal	(NA)	2,756	3,172	(NA)	81	90	(NA)	3.6	3.6
Corrections	4,258	6,323	8,061	161	194	239	7.1	8.6	10.9
Local governments <sup>4</sup>	13,653	23,127	25,880	608	787	829	26.8	33.9	34.7
Percent of total	61.0	58.3	55.4	66.6	62.7	60.6	(X)	(X)	00
Police	11,397	15,273	16,018	516	526	533	22.6	23.3	22.3
Judicial and legal	(NA)	4,342	4,899	(NA)	133	161	(NA)	5.9	6.7
Corrections	2,256	3,512	4,247	82	106	134	4.1	4.7	6.6

NA Not available. X Not applicable. <sup>1</sup> Total payroll divided by full-time payroll multiplied by full-time employees.<sup>2</sup> For 1980 rate per 10,000 estimated resident population as of April 1, 1980; for 1983 and 1985, as of July 1.<sup>3</sup> Data for Federal government represent total employment (full- and part-time). <sup>4</sup> Data are estimates subject to sampling variation; see Appendix III and source.Source: U.S. Bureau of Justice Statistics, *Justice Expenditures and Employment Extracts*, annual.

# A. STATE AND LOCAL GOVERNMENT EMPLOYMENT AND EXPENDITURES FOR CRIMINAL JUSTICE ACTIVITIES: 1985

ent as of October. Expenditures for fiscal years ending between July 1984 and June 1985. Local government data are subject to sampling variation; see Appendix III and source. For composition of regions, see fig. 1, inside front cover)

DIVISION, AND STATE	TOTAL EMPLOYMENT			FULL-TIME EMPLOYMENT PER 10,000 POPULATION <sup>1</sup>		EXPENDITURES			
	Total	Police protection	Correc- tion	Police protec- tion	Correc- tion	Total (mil. dol.) <sup>2</sup>	Per capita (dol.)	Police protec- tion (mil. dol.)	Correc- tion (mil. dol.)
<b>ALL STATES</b>	1,060,708	684,191	368,515	35.5	14.3	43,236	181	20,866	12,836
<b>U.S. TOTAL</b>	262,027	178,156	83,868	28.5	11.8	10,882	214	5,015	2,442
<b>U.S. PER 10,000</b>	235,009	167,260	67,749	24.1	10.9	9,280	155	4,747	2,442
<b>U.S. PER 10,000</b>	346,862	213,711	133,151	23.9	15.9	12,399	151	6,017	3,922
<b>U.S. PER 10,000</b>	206,806	135,081	71,747	25.1	13.9	10,694	226	5,177	3,240
<b>U.S. PER 10,000</b>	94,963	58,344	36,618	25.1	11.9	2,074	184	1,019	530
<b>U.S. PER 10,000</b>	4,340	3,102	1,238	20.8	9.5	128	110	61	34
<b>U.S. PER 10,000</b>	4,034	3,262	772	21.3	7.0	140	140	65	38
<b>U.S. PER 10,000</b>	1,989	1,386	574	19.9	9.2	74	139	32	21
<b>U.S. PER 10,000</b>	26,048	18,718	7,330	28.6	12.3	1,024	176	497	270
<b>U.S. PER 10,000</b>	3,774	2,752	1,022	25.5	10.5	164	169	84	38
<b>U.S. PER 10,000</b>	14,796	10,015	4,783	25.9	14.6	544	171	280	129
<b>U.S. PER 10,000</b>	207,064	138,915	68,149	30.9	17.8	8,808	231	3,986	1,811
<b>U.S. PER 10,000</b>	111,518	69,456	42,062	34.6	23.1	5,220	294	2,380	1,774
<b>U.S. PER 10,000</b>	49,346	35,118	14,230	35.9	16.3	1,592	210	805	423
<b>U.S. PER 10,000</b>	48,200	34,343	11,857	22.1	9.5	1,795	152	811	509
<b>U.S. PER 10,000</b>	172,342	123,479	48,863	34.9	11.3	8,884	185	3,536	1,848
<b>U.S. PER 10,000</b>	38,404	27,579	10,825	21.0	9.7	1,817	150	806	443
<b>U.S. PER 10,000</b>	19,847	13,114	6,533	20.4	11.5	593	109	277	180
<b>U.S. PER 10,000</b>	57,748	43,474	14,274	31.9	12.2	2,023	175	1,139	506
<b>U.S. PER 10,000</b>	35,832	24,465	12,147	23.5	12.6	1,788	197	849	480
<b>U.S. PER 10,000</b>	18,911	14,627	5,084	24.9	9.7	863	181	462	229
<b>U.S. PER 10,000</b>	63,867	43,781	19,886	22.0	9.9	2,376	136	1,211	893
<b>U.S. PER 10,000</b>	13,159	8,926	4,231	18.2	8.7	666	159	316	172
<b>U.S. PER 10,000</b>	9,309	6,454	2,855	18.8	9.3	368	127	185	93
<b>U.S. PER 10,000</b>	20,290	14,611	5,679	26.6	10.5	680	131	374	154
<b>U.S. PER 10,000</b>	1,997	1,558	439	18.3	5.7	75	109	34	14
<b>U.S. PER 10,000</b>	2,398	1,682	714	20.1	8.6	79	112	36	21
<b>U.S. PER 10,000</b>	5,820	3,881	1,939	22.1	11.1	208	129	100	59
<b>U.S. PER 10,000</b>	9,726	6,687	3,039	24.0	12.0	324	132	162	80
<b>U.S. PER 10,000</b>	185,864	111,981	73,873	25.5	17.8	8,822	172	3,386	2,299
<b>U.S. PER 10,000</b>	3,230	1,758	1,472	24.6	22.5	130	209	56	40
<b>U.S. PER 10,000</b>	22,541	13,499	9,042	26.5	19.9	940	214	425	338
<b>U.S. PER 10,000</b>	7,825	4,597	3,328	70.1	52.3	435	885	182	174
<b>U.S. PER 10,000</b>	25,720	13,930	11,790	22.8	19.6	914	160	409	346
<b>U.S. PER 10,000</b>	5,079	3,811	1,268	16.8	6.2	87	87	81	36
<b>U.S. PER 10,000</b>	24,834	15,015	9,819	22.4	15.4	521	131	307	283
<b>U.S. PER 10,000</b>	13,177	8,080	5,117	21.6	15.1	427	128	179	184
<b>U.S. PER 10,000</b>	25,848	15,700	10,148	23.3	16.7	835	140	376	299
<b>U.S. PER 10,000</b>	57,310	35,818	21,492	26.9	16.5	2,252	198	1,164	621
<b>U.S. PER 10,000</b>	54,132	34,982	20,060	20.0	13.0	1,728	114	624	525
<b>U.S. PER 10,000</b>	13,480	7,922	5,558	19.3	14.3	417	112	182	119
<b>U.S. PER 10,000</b>	18,190	11,171	7,019	20.3	14.6	566	119	279	179
<b>U.S. PER 10,000</b>	13,909	9,317	4,682	21.3	11.4	496	124	225	158
<b>U.S. PER 10,000</b>	6,483	5,672	2,791	18.5	10.4	245	94	128	89
<b>U.S. PER 10,000</b>	107,099	67,838	39,426	23.5	14.8	2,746	141	1,824	1,097
<b>U.S. PER 10,000</b>	7,227	4,859	2,368	19.2	9.7	219	93	116	83
<b>U.S. PER 10,000</b>	21,184	13,064	8,100	25.2	17.7	785	175	408	217
<b>U.S. PER 10,000</b>	13,167	8,821	4,346	25.2	13.0	432	131	208	145
<b>U.S. PER 10,000</b>	65,488	40,874	24,614	23.3	14.8	2,313	141	1,192	672
<b>U.S. PER 10,000</b>	55,099	36,581	18,518	26.7	13.8	2,484	194	1,213	729
<b>U.S. PER 10,000</b>	3,211	2,180	1,031	23.1	10.8	123	149	54	34
<b>U.S. PER 10,000</b>	3,363	2,527	836	22.6	7.8	120	119	67	25
<b>U.S. PER 10,000</b>	2,558	1,885	673	34.9	12.7	115	226	60	31
<b>U.S. PER 10,000</b>	12,558	9,076	3,482	26.6	10.5	602	166	308	156
<b>U.S. PER 10,000</b>	7,413	4,303	3,110	27.7	20.9	296	204	129	111
<b>U.S. PER 10,000</b>	14,755	9,058	5,697	26.1	17.5	728	226	353	216
<b>U.S. PER 10,000</b>	5,715	3,913	1,802	19.8	9.3	244	146	124	68
<b>U.S. PER 10,000</b>	5,528	3,619	1,909	35.9	19.4	256	274	118	83
<b>U.S. PER 10,000</b>	151,709	98,888	53,209	25.5	13.8	8,411	240	3,986	2,619
<b>U.S. PER 10,000</b>	17,020	9,953	7,067	21.3	14.9	836	190	346	325
<b>U.S. PER 10,000</b>	9,858	6,299	3,559	21.4	12.2	483	172	226	127
<b>U.S. PER 10,000</b>	118,149	77,745	40,404	27.0	14.0	6,539	246	3,173	1,986
<b>U.S. PER 10,000</b>	2,796	1,671	1,125	29.4	18.5	380	891	129	127
<b>U.S. PER 10,000</b>	3,886	2,832	1,054	26.4	9.7	210	300	91	44

on resident population as of July 1<sup>2</sup> Includes judicial and legal, not shown separately.

U.S. Bureau of the Census, Public Employment, series GE No. 1, annual, and Governmental Finances, series GF No. 5,

## No. 290. LAWYERS—SELECTED CHARACTERISTICS: 1954 TO 1985

[See headnote, table 291. See also *Historical Statistics, Colonial Times to 1970*, series H 1028-1082]

CHARACTERISTIC	1954	1957	1960	1963	1966	1970	1980	1985
All lawyers <sup>1</sup>	241,514	282,320	285,933	295,099	316,886	355,242	642,205	665,191
Lawyers reporting <sup>2</sup>	221,600	235,783	252,385	266,782	289,404	324,818	(x)	(x)
Male	218,584	229,433	245,887	261,639	281,336	315,716	498,019	589,649
Female	5,036	6,350	6,486	7,143	8,086	9,103	44,185	85,542
Status in practice: <sup>3</sup>								
Government	21,279	24,245	25,821	28,314	31,280	35,803	50,490	53,035
Federal	9,940	12,458	13,045	15,113	16,284	18,710	20,132	18,988
State	3,561	4,000	4,316	4,486	7,418	9,293	30,358	33,048
City or county	8,678	7,787	8,260	7,715	7,580	7,800		
Judicial	7,903	7,910	8,180	8,748	9,712	10,349	19,180	21,877
Federal	621	789	599	707	800	878	2,811	3,003
State and county	5,041	5,056	5,301	5,712	6,823	7,549		
City	2,241	2,085	2,280	2,329	2,089	1,923	16,549	18,874
Private practice	189,423	188,955	192,353	200,586	212,662	236,085	370,111	480,208
Individual	127,389	122,359	116,911	113,127	113,273	118,983	179,923	216,338
Partner	51,688	54,968	60,709	70,084	78,544	92,442	190,187	277,382
Associate <sup>4</sup>	10,388	11,600	14,733	17,395	20,845	24,680		68,478
Salaried	18,848	21,054	25,198	29,510	32,222	40,486	73,682	83,843
Private industry	15,083	18,911	22,533	26,492	29,406	33,593	54,826	63,822
Educational institutions	1,351	1,604	1,798	2,100	2,717	3,732	6,806	7,254
Other private employment	234	539	867	818	1,100	3,161	12,030	12,867
Inactive or retired	6,581	7,661	10,867	12,024	14,881	18,812	28,582	36,490

X Not applicable. <sup>1</sup> 1954-1970 includes lawyers not reporting and an adjustment (subtraction) for duplications; 1980 and 1985 weighted to account for non-reporters and duplicate listings. <sup>2</sup> 1954-1970 includes duplications; 1980 and 1985 figures are weighted to adjust for duplication of entries. <sup>3</sup> 1954-1970, in cases where more than 1 subentry was applicable, the individual was tabulated in each. In 1980 and 1985 lawyers who were in both private practice and government service are coded in private practice. <sup>4</sup> Associates are lawyers designated as such by their employers.

Source: American Bar Foundation, Chicago, IL, 1954-1970, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985, 1986* (copyright).

## No. 291. LAWYERS, BY STATE: 1970 TO 1985

[Data based on 1971, 1980 and 1985 editions of *Marshall-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired]

STATE	1970 <sup>1</sup>	1980 <sup>2</sup>	1985			STATE	1970 <sup>1</sup>	1980 <sup>2</sup>	1985		
			Total <sup>3</sup>	In private practice <sup>4</sup>	Population per lawyer <sup>5</sup>				Total <sup>3</sup>	In private practice <sup>4</sup>	Population per lawyer <sup>5</sup>
U.S. <sup>6</sup>	324,818	642,205	665,191	480,208	280	MO	7,230	10,791	12,439	8,531	409
AL	3,291	5,486	6,879	4,747	597	MT	978	1,617	2,008	1,432	411
AK	443	1,355	1,749	1,191	286	NE	2,481	3,722	4,269	2,875	374
AZ	2,818	5,857	7,535	5,248	406	NV	738	1,771	2,278	1,561	409
AR	1,969	3,188	3,741	2,586	628	NH	791	1,678	2,139	1,570	457
CA	31,580	64,840	82,001	60,719	312	NJ	11,126	18,400	23,301	16,429	338
CO	4,197	8,652	11,174	7,991	284	NM	1,201	2,508	3,164	2,302	480
CT	5,398	8,930	11,397	7,342	277	NY	48,312	62,745	72,575	52,130	244
DE	733	1,332	1,587	895	364	NC	4,367	7,459	9,265	6,520	686
DC	15,501	25,485	28,399	12,617	22	ND	728	1,101	1,290	886	592
FL	10,917	23,521	30,444	21,709	361	OH	16,349	23,849	27,191	18,125	366
GA	5,517	11,067	13,652	10,087	428	OK	4,637	7,034	8,202	5,823	387
HI	857	2,027	2,787	2,019	373	OR	2,998	5,803	7,385	5,337	388
ID	803	1,706	2,031	1,370	493	PA	13,557	22,872	27,798	20,393	428
IL	20,404	32,421	37,873	26,483	304	RI	1,284	2,070	2,527	1,909	391
IN	5,447	8,443	9,499	6,862	579	SC	2,238	4,186	5,021	3,755	657
IA	3,820	6,580	8,182	4,339	471	SD	512	1,125	1,230	860	574
KS	3,128	4,759	5,555	3,828	439	TN	4,770	7,802	8,782	6,208	537
KY	3,625	8,200	7,017	4,841	531	TX	17,217	30,151	39,026	26,184	410
LA	5,089	8,752	10,569	8,272	422	UT	1,309	2,480	3,446	2,585	478
ME	1,068	2,082	2,528	1,848	457	VT	581	1,095	1,372	879	386
MD	6,819	10,648	12,868	8,405	338	VA	8,401	10,895	13,380	9,031	423
MA	11,316	18,537	22,154	16,579	262	WA	4,488	8,468	11,507	8,411	976
MI	10,568	17,443	20,445	14,501	444	WV	1,719	2,868	2,835	2,033	689
MN	5,481	9,433	11,343	7,767	367	WI	8,177	9,117	10,315	7,187	682
MS	2,517	3,850	4,270	3,196	606	WY	449	927	1,116	785	488

<sup>1</sup> Represents lawyers reporting only. Includes an estimated adjustment (subtraction) to account for duplications. Based on reporting from approximately 80 percent of all lawyers. <sup>2</sup> Weighted to account for non-reporters and duplicate listings. <sup>3</sup> Based on Bureau of the Census estimated resident population, including Armed Forces stationed in area as of July 1, 1984. <sup>4</sup> Total for U.S. counts each lawyer only once regardless of number of offices maintained by the lawyer. If, however, a lawyer maintains an office in more than one State, the lawyer is included in the total shown for each State in which the lawyer maintains an office.

Source: American Bar Foundation, Chicago, IL, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985, 1986* (copyright).

## No. 292. U.S. SUPREME COURT—CASES FILED AND DISPOSITION: 1970 TO 1985

statutory term of court begins first Monday in October. See *Historical Statistics, Colonial Times to 1970*, series H 1063-1078, for related but not comparable data]

ACTION	1970	1975	1975	1979	1980	1981	1982	1982	1984	1985
Total cases on docket .....	4,212	4,791	4,731	4,791	5,144	5,311	5,079	5,100	5,006	5,158
ellate cases on docket .....	1,903	2,352	2,383	2,509	2,749	2,935	2,710	2,688	2,575	2,571
rom prior term .....	325	431	434	425	527	522	545	520	539	400
cketed during present term .....	1,578	1,921	1,949	2,084	2,222	2,413	2,165	2,168	2,036	2,171
ases acted upon .....	1,613	1,900	2,023	2,050	2,324	2,513	2,279	2,220	2,253	2,165
Granted review .....	214	244	210	199	167	203	168	140	167	168
Denied, dismissed, or withdrawn .....	1,285	1,538	1,734	1,776	1,999	2,100	1,892	1,902	1,953	1,863
Summarily decided .....	114	116	79	75	90	114	113	71	59	78
ases not acted upon .....	290	452	360	459	425	422	413	468	322	386
per cases on docket .....	2,289	2,395	2,331	2,249	2,371	2,354	2,352	2,394	2,416	2,577
ases acted upon .....	1,802	1,997	1,996	1,838	2,027	2,039	2,013	1,892	2,087	2,189
Granted review .....	41	28	27	32	17	7	10	9	16	20
Denied, dismissed, or withdrawn .....	1,663	1,903	1,938	1,757	1,988	2,014	1,995	1,988	2,050	2,136
Summarily decided .....	78	68	31	49	32	12	6	10	14	24
ases not acted upon .....	487	386	335	411	344	315	339	402	329	386
final cases on docket .....	20	14	17	23	24	22	17	18	15	10
ases disposed of during term .....	7	7	-	1	7	6	3	7	6	2
Total cases available for argument .....	287	280	249	238	984	318	312	280	271	276
as disposed of .....	160	161	170	160	162	192	199	189	184	175
ases argued .....	151	179	168	156	154	184	183	184	175	171
ases dismissed or remanded without argument .....	9	2	2	4	8	8	16	5	9	4
as remaining .....	107	98	79	78	102	128	113	60	67	101
as decided by signed opinion .....	128	160	153	143	144	170	174	174	159	161
as decided by per curiam opinion .....	22	16	8	12	6	10	6	6	11	10
number of signed opinions .....	109	138	130	130	123	141	151	151	139	148

Represents zero. <sup>1</sup> Includes cases granted review and carried over to next term, not shown separately.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

## No. 293. U.S. COURTS OF APPEALS CASES COMMENCED AND DISPOSITION: 1970 TO 1986

[For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1079-1095]

ITEM	1970	1975	1970	1975	1980	1981	1982	1980	1984	1985	1986
ases commenced <sup>1</sup> .....	11,882	16,658	18,918	20,219	23,200	26,362	27,946	29,630	31,480	23,200	34,282
riminal .....	2,680	4,187	4,487	4,102	4,405	4,377	4,767	4,790	4,881	4,988	5,134
U.S. civil .....	2,187	2,981	3,928	3,983	4,654	4,940	5,517	5,820	6,259	6,744	6,415
ivate civil .....	4,834	6,511	7,234	8,237	10,200	12,074	13,267	14,429	15,468	16,827	17,876
ministrative appeals .....	1,522	2,290	2,382	2,922	2,950	3,800	3,116	3,089	3,045	3,179	3,187
ases terminated <sup>1</sup> .....	16,658	16,000	17,714	16,658	20,887	25,086	27,984	23,200	31,198	31,387	33,774
riminal .....	2,581	4,005	4,481	4,320	3,993	4,192	4,522	4,777	4,876	4,802	5,134
U.S. civil .....	1,912	3,094	3,437	3,657	4,346	5,021	5,508	5,586	6,074	6,363	6,535
ivate civil .....	4,367	6,252	6,813	7,175	8,942	11,327	13,115	13,710	15,309	15,743	17,276
ministrative appeals .....	1,407	1,909	2,256	2,602	2,643	3,303	3,549	3,260	3,212	2,760	3,235
ases disposed of <sup>2</sup> .....	8,139	9,077	8,668	9,361	10,807	12,100	12,720	13,217	14,327	16,388	18,199
irmed or granted .....	4,626	6,763	6,717	7,125	8,017	9,004	9,560	10,174	10,961	12,286	13,398
versed or denied .....	1,280	1,632	1,538	1,548	1,845	2,248	2,138	2,173	2,362	2,770	3,249
ther .....	233	682	597	688	745	918	1,022	870	984	1,313	1,552
lan months <sup>3</sup> .....	8.2	7.4	8.0	8.1	8.9	9.3	8.9	8.6	8.3	10.3	10.3

Includes original proceedings and bankruptcy appeals not shown separately. <sup>2</sup> Terminated on the merits after hearing or decision. Beginning 1975, data not comparable with earlier years due to changes in criteria. <sup>3</sup> Prior to 1985, the figure is a filing of complete record to final disposition. 1986 figure is from filing notice of appeal to final disposition.

## No. 294. U.S. DISTRICT COURTS—CIVIL AND CRIMINAL CASES: 1970 TO 1986

in thousands, except percent. As of end of fiscal year; see text, section 10. See also *Historical Statistics, Colonial Times to 1970*, series H 1097-1111]

ITEM	1970	1975	1970	1975	1980	1981	1982	1983	1984	1985	1986
il cases: Commenced .....	87.3	117.3	136.8	154.7	168.8	180.8	206.2	241.8	261.5	273.7	254.8
ases terminated <sup>1</sup> .....	79.5	103.8	123.2	140.0	155.0	172.9	185.5	213.6	241.8	266.6	265.8
No court action .....	31.1	39.2	45.3	60.2	68.7	72.1	81.6	99.0	113.9	129.4	122.2
Court action, total .....	48.4	84.6	77.6	79.9	86.2	100.8	103.9	114.6	127.9	139.2	143.6
Before pretrial .....	29.4	40.3	48.7	49.7	53.8	61.1	67.3	75.9	86.1	95.5	101.9
Pretrial .....	11.0	15.6	19.7	20.5	22.4	26.3	25.3	27.1	29.6	31.1	29.9
Trial .....	8.0	8.7	9.4	9.6	10.1	11.4	11.3	11.6	12.1	12.6	11.7
Percent reaching trial .....	10.0	8.4	7.6	6.9	8.5	8.6	6.1	5.4	5.0	4.7	4.4
iminal cases: Commenced <sup>2</sup> .....	38.1	41.1	34.6	31.5	28.0	30.4	31.6	34.9	35.9	36.5	40.4
endants disposed of <sup>2</sup> .....	36.4	49.2	45.9	41.2	36.6	36.1	40.5	43.3	44.5	47.4	50.0
Not convicted .....	6.2	11.8	9.4	6.3	8.0	8.3	8.2	7.7	8.4	6.8	9.3
Convicted .....	28.2	37.4	36.5	32.9	28.6	29.9	32.3	35.6	36.1	38.5	40.7
Imprisonment .....	12.4	17.3	17.4	14.6	13.2	13.7	15.9	17.9	17.7	18.7	20.6
Probation .....	11.4	17.9	14.5	13.5	11.1	12.2	12.7	14.1	13.9	14.4	15.2
Fine and other .....	4.4	2.2	4.6	4.9	4.4	4.0	3.7	3.6	4.5	5.4	4.9

Excludes land condemnation cases. <sup>2</sup> Excludes transfers. <sup>3</sup> Beginning 1975, includes DC; beginning 1978, includes SA, Virgin Islands, and Northern Mariana Islands; 1978 through 1982 includes Canal Zone.

Source of tables 293 and 294: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

## NO. 295. U.S. DISTRICT COURTS—CIVIL CASES COMMENCED, AND PENDING: 1975 TO 1986

TYPE OF CASE	CASES COMMENCED				CASES PENDING			
	1975	1980	1985	1986	1975	1980	1985	1986
Cases total <sup>1</sup>	117,320	188,788	273,570	254,828	119,787	186,113	264,114	242,1
Contract actions <sup>2</sup>	22,905	49,052	102,642	86,352	23,524	40,521	85,983	58,8
Recovery of overpayments <sup>3</sup>	681	15,588	58,180	40,824	425	8,898	22,576	13,4
Real property actions	6,486	11,087	10,118	10,674	5,817	15,436	9,324	9,4
Tort actions	25,891	32,539	41,583	42,326	30,689	41,082	57,243	61,4
Personal injury	21,221	27,517	37,580	38,248	25,198	34,994	52,808	56,9
Personal injury product liability <sup>4</sup>	(NA)	(NA)	12,507	12,459	2,766	9,118	22,111	26,2
Asbestos	(NA)	(NA)	4,239	5,483	(NA)	(NA)	11,194	15,0
Other personal injury	21,221	27,517	25,053	25,789	23,430	25,876	30,497	30,6
Personal property damage	4,470	5,022	4,033	4,075	4,491	8,088	4,636	4,8
Actions under statutes <sup>1</sup>	60,051	75,574	119,180	113,392	58,568	88,534	121,295	112,4
Civil rights <sup>1</sup>	10,392	12,844	19,553	20,128	11,843	18,819	26,148	25,8
Employment	(NA)	5,017	9,082	9,174	4,679	8,893	12,187	12,4
Bankruptcy suits	396	1,088	6,331	4,561	542	1,443	4,886	3,9
Antitrust	1,431	1,496	1,082	877	2,639	2,968	1,915	1,6
Banks and banking	163	202	343	518	219	280	422	6
Commerce (ICC rates, etc.)	4,042	1,105	912	922	7,496	6,194	747	8
Environmental matters	(NA)	557	862	841	488	751	912	8
Prisoner petitions	19,307	23,267	33,468	33,785	10,489	18,008	29,882	29,5
Forfeiture and penalty	2,448	3,019	4,908	3,480	1,481	2,282	3,858	2,7
Labor laws	8,817	8,540	11,749	12,839	5,749	9,045	11,002	11,6
Protected property rights <sup>5</sup>	2,278	3,783	5,412	5,881	2,652	4,014	5,151	5,3
Securities commodities and exchanges	2,408	1,694	3,286	3,059	4,280	3,256	5,082	5,2
Social Security laws	5,848	9,043	19,771	14,407	5,595	13,164	20,302	12,0
Tax suits	1,899	3,262	2,986	2,750	2,385	3,075	2,972	2,8
Freedom of information	(NA)	827	585	505	(NA)	617	555	4

NA Not available. <sup>1</sup> Includes other types not shown separately. <sup>2</sup> Includes enforcement of judgments in student loan cases, and overpayments of veterans benefits. <sup>3</sup> Includes copyright, patent, and trademark rights.

## NO. 296. U.S. DISTRICT COURTS—TRIALS. 1970 TO 1986

(As of end of fiscal year; see text, section 10. A trial is defined as a contested proceeding (other than a hearing on a motion before either court or jury in which evidence is introduced and final judgment sought. See also *Historical Statistics, Crime Time to 1970*, series H 1112-1118)

TYPE OF TRIAL	1970	1975	1979	1979	1980	1981	1982	1983	1984	1986	1986
Total	18,032	18,236	18,861	18,883	19,825	21,238	21,387	21,346	20,830	20,729	20,1
Nonjury	9,449	11,803	11,515	11,784	13,181	14,897	14,783	14,899	14,374	14,254	13,1
Jury	8,078	7,903	8,326	8,346	9,254	10,047	10,074	9,712	9,037	8,817	8,4
Criminal trials	3,371	3,700	3,199	3,418	3,837	4,850	4,679	4,877	5,337	5,437	5,3
Nonjury	4,583	7,635	7,335	6,798	8,634	8,844	8,658	8,458	8,475	8,475	8,1
Jury	2,367	2,725	3,344	3,132	3,218	2,982	3,078	3,003	2,823	2,778	2,7
Jury	4,228	4,907	3,982	3,687	3,418	3,580	3,588	3,653	3,633	3,687	3,1

## NO. 297. U.S. DISTRICT COURTS—CRIMINAL CASES COMMENCED AND DEFENDANTS DISPOSED OF, 1985 AND 1986

(For years ending June 30)

NATURE OF OFFENSE	1985		Cases commenced, <sup>1</sup> 1986	DISPOSITION OF DEFENDANTS, 1986								
	Cases commenced <sup>1</sup>	Defendants disposed of		Total defendants disposed of	Not convicted		Convicted <sup>2</sup>			Sentenced		
					Total	Acquitted	Total	Guilty plea <sup>3</sup>	By court or jury	Imprisonment	Probation	Partial off
Total	36,546	47,380	40,427	50,040	9,300	1,418	40,740	35,446	5,292	30,621	16,230	4,781
General offenses:												
Homicide	180	170	141	184	41	5	123	72	51	91	13	
Robbery	1,236	1,387	1,257	1,272	131	23	1,141	980	161	1,068	88	
Assault	552	555	602	584	173	43	411	328	83	228	144	
Burglary	158	165	113	145	44	3	101	92	9	71	29	
Larceny-theft	3,571	4,108	3,580	4,228	633	129	3,395	3,068	297	1,386	1,080	
Embezzlement and fraud	7,912	9,044	8,571	9,743	1,331	229	8,412	7,511	901	3,312	4,798	
Auto theft	300	461	336	439	85	21	374	316	58	274	86	
Forgery, counterfeiting	2,118	2,372	2,371	2,671	366	26	2,286	2,097	189	1,068	1,188	
Sex offenses	288	200	288	270	44	11	226	174	52	135	81	
DAPCA <sup>4</sup>	6,890	11,177	7,894	12,934	2,170	369	10,764	8,888	1,876	8,152	2,353	
Misc. general offenses	15,583	17,721	15,284	17,580	4,063	589	13,507	11,882	1,615	4,666	4,781	

<sup>1</sup> Excludes transfers. <sup>2</sup> Convicted and sentenced. <sup>3</sup> Includes nolo contendere. <sup>4</sup> All marijuana, narcotic and controlled substances prosecutions under the Drug Abuse, Prevention and Control Act.

Source of tables 295-297: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

### No. 298. U.S. DISTRICT COURTS—DEFENDANTS CHARGED WITH VIOLATIONS OF DRUG ABUSE PREVENTION AND CONTROL ACT: 1980 TO 1986

[For years ending June 30]

ITEM	MARIJUANA					DRUGS					CONTROLLED SUBSTANCES (prescribed drugs)				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
Defendants disposed of:	1,890	3,508	3,179	3,984	3,966	3,280	3,892	4,548	5,595	7,321	1,363	1,966	1,464	1,599	1,834
at convicted:	589	792	887	854	904	748	801	785	888	1,009	276	281	279	248	257
Dismissed:	483	676	516	709	777	620	461	668	692	813	234	236	237	200	221
By guilty plea and nolo contendere:	1,121	3,014	2,512	3,130	3,065	2,541	3,091	3,762	4,727	6,312	1,087	1,385	1,185	1,352	1,367
Imprisonment, total:	772	2,379	1,895	2,523	2,637	1,630	2,334	2,935	3,639	5,126	848	1,061	963	1,138	1,126
Regular sentence:	754	1,821	1,841	2,038	2,048	1,945	2,483	3,048	3,701	5,058	780	1,038	888	1,049	1,046
Avg. sentence (mo.):	55.5	55.1	54.4	53.2	55.7	60.8	70.6	71.6	69.6	73.1	46.5	62.2	67.8	69.3	61.2
Other sentences to prison:	180	556	467	524	454	535	551	723	915	889	188	243	230	239	206
Probation, total:	341	973	816	936	902	888	983	981	980	1,149	303	337	307	267	303
Avg. sentence (mo.):	57.9	27.9	42.0	51.2	53.4	39.6	40.6	44.3	39.7	41.6	37.2	38.0	43.4	40.5	43.7
Fine only:	20	94	11	63	91	4	8	4	3	15	3	8	3	8	2
Other:	6	26	44	73	44	4	7	48	63	91	1	7	9	10	16

<sup>1</sup> Includes defendants committed under 28 USC 2902, Narcotic Addict Rehabilitation Act of 1966. <sup>2</sup> Split or mixed sentences: prison and probation in the same case as well as indeterminate and Youth Corrections Act sentences are included under total imprisonment and other sentences to prison. <sup>3</sup> Includes deportation, suspended sentences, imprisonment for four days or less for time already served, remitted and suspended fines and life sentences.

Source: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

### No. 299. FEDERAL PROSECUTIONS OF PUBLIC CORRUPTION: 1974 TO 1986

[As of Dec. 31. Prosecution of persons who have corrupted public office in violation of Federal Criminal Statutes]

PROSECUTION STATUS	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All: Indicted:	291	255	583	507	557	687	721	878	729	1,073	836	1,182	1,192
Convicted:	217	179	380	440	409	555	552	730	671	972	934	997	1,027
Awaiting trial:	5	27	109	210	206	187	213	231	186	222	269	256	248
Local officials: Indicted:	59	53	111	129	133	128	123	156	158	480	406	563	596
Convicted:	51	43	101	94	91	135	131	159	147	424	426	470	523
Awaiting trial:	1	5	1	32	42	21	16	26	38	58	77	80	83
State officials: Indicted:	36	36	66	50	56	58	72	87	49	81	58	79	86
Convicted:	23	18	35	38	56	32	51	66	45	66	52	66	71
Awaiting trial:	-	5	30	39	20	30	28	36	18	26	21	20	24
Fed officials: Indicted:	130	139	194	157	171	212	247	244	257	270	203	248	232
Convicted:	87	94	100	164	127	156	188	211	232	226	186	221	207
Awaiting trial:	4	15	98	62	72	88	62	102	58	61	74	49	55

- Represents zero. <sup>1</sup> Includes individuals who are neither public officials nor employees but who were involved with public officials or employees in violating the law, not shown separately. <sup>2</sup> Increases in the number indicted and convicted between 82 and 1983 resulted from a greater focus on federal corruption nationwide and more consistent reporting of cases involving lower-level employees.

Source: U.S. Department of Justice, *Federal Prosecutions of Corrupt Public Officials, 1970-1980 and Report to Congress on the Skills and Operations of the Public Integrity Section*, annual.

### No. 300. CHILDREN'S CASES DISPOSED OF BY JUVENILE COURTS: 1970 TO 1983

or definition of delinquency cases, see text, section 5. Dependency and neglect cases are all cases referred to the court for some form of neglect or inadequate care on the part of parents or guardians. See also *Historical Statistics, Colonial Times to 1972*, series H 1119-1124]

ITEM	Unit	1970	1975	1979	1979	1980	1981	1982	1983
Population 10-17 years old:	1,000	32,614	33,980	32,276	31,843	31,171	30,725	29,814	29,345
Delinquency cases, excluding traffic:	1,000	1,052	1,317	1,359	1,374	1,445	1,360	1,282	1,278
Per 1,000 population 10-17 years old:	Rate	32.3	38.8	42.1	43.4	46.4	44.0	43.2	43.5
Male:	1,000	800	1,002	1,065	1,068	1,121	1,024	890	900
Female:	1,000	252	315	304	318	324	328	303	295
Percent of total cases:	Percent	24.0	23.9	22.4	23.0	22.4	24.1	23.4	23.1
Population under 18 years old:	1,000	70,810	68,314	65,982	65,335	64,906	64,406	63,783	63,812
Dependency and neglect cases:	1,000	133	143	188	157	153	185	172	198
Per 1,000 population under 18 years old:	Rate	1.9	2.1	2.4	2.5	2.3	2.9	2.7	3.1

<sup>1</sup> U.S. Bureau of the Census estimates of civilian population as of July 1.

Source: National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics*, annual. (Copyright.)



### NO. 301. JUVENILES HELD IN CUSTODY—PUBLIC AND PRIVATE JUVENILE RESIDENTS AND FACILITIES: 1979 TO 1985

[Public and private facilities for juveniles include detention centers, shelters, reception and diagnostic centers, training schools, halfway houses, group homes, ranches, forestry camps, and farms]

CHARACTERISTIC	Unit	PUBLIC CUSTODY			PRIVATE CUSTODY		
		1979	1983	1985	1979	1983	1985
Number of residents <sup>1</sup> <sup>2</sup>	Number	45,388	50,799	51,402	25,717	31,473	34,112
Juvenile <sup>3</sup>	Number	43,234	48,701	49,322	25,888	31,390	34,086
Average age <sup>4</sup>	Years	15.3	15.4	15.4	14.9	14.9	14.9
Male	Number	37,187	42,182	42,549	20,512	22,242	23,844
Female	Number	6,087	6,519	5,773	8,176	8,148	10,238
White	Number	26,053	27,805	29,959	21,854	22,377	23,989
Black	Number	13,752	18,020	18,289	5,843	7,822	9,204
Number of admissions (all residents) <sup>5</sup> <sup>6</sup>	Number	588,802	530,200	527,759	69,507	66,806	101,007
Number of departures (all residents) <sup>5</sup> <sup>6</sup>	Number	580,781	522,509	520,903	64,574	64,398	95,008
Average daily residents <sup>7</sup>	Number	47,803	50,206	48,480	26,988	31,995	33,121
Facilities, total <sup>8</sup> <sup>9</sup>	Number	1,015	1,023	1,040	1,581	1,577	1,888
Occupancy less than 70 percent	Percent	34	30	35	22	22	25
70-100 percent	Percent	58	58	55	78	76	79
More than 100 percent	Percent	10	14	10	2	2	1
Personnel, total <sup>10</sup>	Number	61,108	65,654	(NA)	32,821	37,411	(NA)
Expenditure <sup>11</sup> <sup>12</sup>	Mill. dol.	842.5	1,148.3	1,247.9	465.2	719.0	805.5
Capital	Mill. dol.	53.3	43.9	(NA)	25.8	45.5	(NA)
Operating	Mill. dol.	789.2	1,105.0	1,247.9	439.3	673.5	805.5
Per capita operating cost <sup>13</sup>	\$1,000	16.5	22.0	25.2	15.4	21.3	24.3

NA Not available. <sup>1</sup> Includes adults. <sup>2</sup> Data for December 31, 1979, February 1, 1983, and February 1, 1985. <sup>3</sup> Includes races not reported and races not shown. <sup>4</sup> Based on juvenile residents only. <sup>5</sup> Data are for calendar years 1979, 1982, and 1984. <sup>6</sup> Juvenile and adult. <sup>7</sup> Occupancy is calculated on the average daily resident population. <sup>8</sup> 1979 includes community volunteers; 1983 generally includes volunteers; excludes 4,800 in California, and large but unspecified numbers in Ohio and South Carolina. <sup>9</sup> Current dollars, unadjusted for inflation. <sup>10</sup> Based on average daily residents.

Source: 1979, U.S. Law Enforcement Assistance Administration, unpublished data; 1983, U.S. Office of Juvenile Justice and Delinquency Prevention, *Children in Custody: Advance Report on the 1982 Census of Public Juvenile Facilities*; and *Children in Custody: Advance Report on the 1982 Census of Private Juvenile Facilities*; and *Children in Custody: Public Juvenile Facilities, 1985*.

### NO. 302. JAILS—SUMMARY: 1983

[As of February. Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Connecticut, Delaware, Hawaii, Rhode Island, and Vermont; and other facilities which retain persons for less than 48 hours. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	United States	North-east	Midwest	South	West
Jails	3,338	233	572	1,987	886
With fewer than 50 inmates	2,111	68	745	980	318
With 50-249 inmates	1,013	114	193	542	184
With 250 or more inmates	214	41	34	85	84
With inmates being held for other authorities because of crowding	553	81	109	297	86
Number of inmates, total	223,551	38,034	39,538	88,479	57,980

Source: U.S. Bureau of Justice Statistics, *The 1983 Jail Census*, November 1984.

### NO. 303. JAIL INMATES, BY RACE AND DETENTION STATUS: 1978 TO 1984

[See headnote, table 302. As of June 30. For the years 1982 and 1984 data based on sample survey and subject to sampling variability; 1978 and 1983, based on the National Jail Census]

CHARACTERISTIC	1978	1983	1988	1984
Total inmates	188,384	289,882	223,552	234,889
Percent of rated capacity	85	84	85	86
Percent of operational capacity	84	85	81	(NA)
Male	148,839	185,730	207,783	227,485
Female	9,555	13,852	15,769	7,088
White	88,418	(NA)	130,118	138,585
Black	85,104	(NA)	87,508	38,388
Other races	3,872	(NA)	6,828	2,386
Hispanic <sup>1</sup>	18,349	(NA)	31,297	30,488
Non-Hispanic	142,045	(NA)	192,254	204,910
Adult	<sup>2</sup> 156,783	207,853	<sup>3</sup> 221,815	<sup>4</sup> 233,018
Awaiting arraignment or trial	77,453	118,188	113,894	118,381
Convicted	75,438	89,664	107,920	113,481
Juvenile	1,811	1,725	(NA)	(NA)
Awaiting hearing or adjudication	(NA)	1,274	(NA)	(NA)
Adjudicated	(NA)	455	(NA)	(NA)

NA Not available. <sup>1</sup> Hispanic persons may be of any race. <sup>2</sup> Includes inmates not classified by conviction status.

Source: U.S. Bureau of Justice Statistics, *Profile of Jail Inmates, 1978*, and *Jail Inmates*, annual.



## NO. 304. JAIL INMATES—SELECTED CHARACTERISTICS: 1963

[See headnote, table 302]

CHARACTERISTIC	Total <sup>1</sup>	White	Black	CHARACTERISTIC	Total <sup>1</sup>	White	Black
Jail inmates.....	223,882	126,118	87,888	Type of offense:			
% of rated capacity.....	85	(NA)	(NA)	Violent.....	87,439	34,887	31,066
.....	207,789	121,773	80,871	Property.....	84,730	47,618	36,011
.....	15,789	8,345	6,836	Drug.....	20,479	12,030	7,885
Age (years).....	26.8	26.7	26.9	Public order.....	45,251	32,401	11,513
Grade attended:				Legal representation:			
Less than 12th grade.....	132,118	74,311	54,135	With counsel.....	178,071	103,608	88,544
12th grade or higher.....	91,434	55,807	33,373	Without counsel.....	45,481	26,508	17,984
Employment status:				Detention status:			
Not employed.....	119,103	72,309	45,808	Unconvicted inmates.....	86,120	47,584	38,654
Employed.....	104,449	57,749	43,800	Convicted inmates.....	132,820	81,101	47,808
Annual income <sup>2</sup> .....	182,293	99,487	68,221	Method of conviction:			
Mean income (dollars).....	5,486	6,312	4,067	Pleading guilty.....	106,988	66,183	35,630
				Judged guilty.....	25,854	12,938	11,979

Not available. <sup>1</sup> Includes races other than White and Black. <sup>2</sup> Pertains to inmates who were free at least one year before arrest.

Source: U.S. Bureau of Justice Statistics, *Jail Inmates, 1963*.

## NO. 305. FEDERAL AND STATE PRISONERS: 1950 TO 1966

to 1970, excludes State institutions in Alaska and for 1950, those in Hawaii. Beginning 1980, includes all persons under sentence of Federal and State authorities rather than those in the custody of such authorities. Represents inmates sentenced to minimum term of more than a year. See also *Historical Statistics, Colonial Times to 1970*, series H 1135-1140.]

Year	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>	Number	Rate <sup>1</sup>
1950.....	166,123	110.3	17,134	11.4	148,989	98.9	89,473	46.1	14,237	9.5	56,236	36.7
1951.....	212,953	118.6	23,218	12.9	189,735	105.7	86,575	49.3	13,723	7.8	74,852	41.7
1952.....	210,885	109.5	21,040	10.9	189,845	98.6	87,505	45.4	12,781	8.8	74,724	38.6
1953.....	196,429	96.7	20,036	9.8	176,391	86.9	79,351	39.1	12,047	5.9	67,304	33.1
1954.....	240,593	113.3	24,131	11.4	216,462	102.0	129,573	61.0	16,770	7.9	112,803	53.1
1955.....	315,974	139.2	20,811	9.1	295,163	130.1	142,122	62.7	10,907	4.8	131,215	57.9
1956.....	395,516	170.6	23,852	10.2	371,664	160.4	177,109	78.1	12,461	5.4	164,648	70.7
1957.....	418,721	178.5	26,331	11.2	392,390	167.1	187,408	80.1	14,119	6.0	173,289	74.1
1958.....	445,399	188.0	27,802	12.0	417,597	176.0	180,418	78.0	13,491	5.7	166,927	70.3
1959.....	481,383	200.6	32,695	13.6	448,688	187.0	198,499	82.7	15,388	6.4	183,111	75.3
1960.....	523,922	218.0	36,531	15.0	487,391	203.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Not available. <sup>1</sup> Rate per 100,000 estimated population.

Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31, annual*.

## NO. 306. FEDERAL AND STATE PRISONERS, BY SEX AND RACE: 1978 TO 1985

as in this table will not add to the totals shown in tables 305 and 309 since these are based on preliminary statistics on race and are not subsequently revised.]

ITEM	TOTAL			MALE			FEMALE			Un- known
	White	Black	Other	White	Black	Other	White	Black	Other	
1978.....	157,208	143,376	3,283	151,534	138,893	3,080	5,674	6,483	193	2,735
1979.....	181,642	145,383	3,677	155,803	138,776	3,468	5,839	6,607	209	3,304
1980.....	189,274	161,248	3,853	163,083	143,700	3,677	6,191	6,549	176	5,319
1981.....	180,503	166,129	4,477	183,202	161,443	4,240	7,301	7,687	237	5,863
1982.....	214,741	192,910	5,262	208,187	180,844	4,980	8,574	8,786	272	4,749
1983.....	225,902	202,218	5,863	216,522	191,020	5,336	9,380	9,196	327	5,457
1984.....	239,428	209,673	6,854	229,323	199,692	6,250	10,105	9,981	404	6,687
1985.....	260,847	227,137	6,894	249,418	216,344	6,280	11,429	10,793	414	7,698

Source: U.S. Bureau of Justice Statistics, 1978-1981, *Prisoners 1925-81*; 1982-1984, *Prisoners in State and Federal Institutions on December 31, annual*; 1985, *Corrections Statistics 1985*.

## NO. 307. STATE CORRECTIONAL FACILITIES—SUMMARY: 1984

ITEM	Number of facilities	INMATES		Total staff (full-time)	Operating expenditures (\$1,000)
		Males	Females		
All facilities.....	983	378,436	16,873	144,956	4,186,486
Prison facilities.....	884	366,132	15,823	140,828	4,082,753
Juvenile.....	111	133,801	2,683	62,649	1,606,224
State.....	293	182,895	10,478	63,049	1,888,151
County.....	257	49,886	2,682	15,261	408,378
City based.....	209	12,304	1,050	3,896	105,739

Source: U.S. Bureau of Justice Statistics, *Census of State Adult Correctional Facilities, 1984*.

## NO. 303. ADULTS UNDER CORRECTIONAL SUPERVISION, 1979 TO 1985, AND BY STATE, 1985

[In thousands, except rate. As of Dec. 31, except as noted. Excludes juveniles, persons incarcerated in mental health institution in lieu of prison, persons held by the armed services, persons held on Indian reservations, parolees under county jurisdiction whose sentences were for 1 year or less, and court probationers (those not placed under the supervisory authority of a probation agency). For composition of regions, see fig. 1, inside front cover.]

YEAR, REGION, DIVISION, AND STATE	PERSONS UNDER CORRECTIONAL SUPERVISION					RATE PER 10,000 ADULT POPULATION				
	Total	Jail <sup>1</sup>	Prison <sup>2</sup>	Parole <sup>3</sup>	Probation <sup>4</sup>	Total	Jail <sup>1</sup>	Prison <sup>2</sup>	Parole <sup>3</sup>	Prob <sup>5</sup>
1979	1,786.7	179.0	301.5	218.7	1,086.5	113	11	19	14	
1980	1,845.5	191.0	316.0	220.4	1,118.1	115	12	20	14	
1981	2,006.4	203.0	363.7	223.8	1,226.9	123	12	21	14	
1982	2,185.7	207.9	396.9	224.6	1,357.3	131	12	24	13	
1983	2,491.9	221.8	436.8	246.8	1,582.9	145	13	26	14	
1984	2,705.5	233.0	484.6	267.0	1,740.9	156	13	27	15	
1985, U.S. total <sup>6</sup>	2,808.7	255.0	509.3	277.4	1,878.1	165	15	29	16	
<b>Regions:</b>										
Northeast	465.5	36.3	75.7	57.1	296.4	129	10	20	15	
Midwest	553.2	39.2	95.7	42.3	376.0	111	9	22	10	
South	1,196.3	88.6	202.9	109.4	795.4	200	15	34	18	
West	545.2	57.7	88.7	51.7	347.1	156	17	25	15	
<b>New England</b>	107.8	4.3	18.4	6.3	81.8	112	4	18	7	
Maine	6.3	.6	1.2	1	4.5	73	6	14	1	
New Hampshire	4.8	.6	7	.5	3.1	64	7	9	7	
Vermont	6.2	-	7	2	6.3	109	-	18	13	
Massachusetts	37.8	3.3	5.4	4.5	24.6	85	7	12	10	
Rhode Island	9.2	-	1.3	.4	7.6	124	-	17	5	
Connecticut	43.5	-	6.1	.6	36.8	180	-	25	2	
<b>Middle Atlantic</b>	367.8	32.1	60.2	60.8	214.8	127	11	21	18	
New York	176.7	15.9	34.7	25.3	100.8	132	12	28	19	
New Jersey	79.2	6.0	11.3	13.4	48.5	130	11	20	24	
Pennsylvania	101.9	10.2	14.2	12.2	65.3	114	11	16	14	
<b>East North Central</b>	408.1	30.0	72.4	31.2	274.2	134	10	34	18	
Ohio	98.0	7.1	20.9	8.5	61.5	122	9	27	8	
Indiana	55.3	3.6	9.9	2.6	39.1	138	9	25	7	
Illinois	113.0	8.8	18.6	11.4	74.2	134	10	22	14	
Michigan	107.2	7.6	17.8	6.6	75.2	162	12	27	10	
Wisconsin	36.6	3.0	5.4	3.9	24.3	106	9	16	11	
<b>West North Central</b>	145.0	9.1	23.1	11.2	101.8	113	7	18	8	
Minnesota	38.6	1.9	2.3	1.4	33.0	126	6	8	5	
Iowa	17.7	.8	2.6	2.0	12.1	84	4	13	9	
Missouri	44.9	3.8	8.9	4.5	26.6	121	10	27	12	
North Dakota	2.4	.2	.4	.2	1.6	40	4	8	4	
South Dakota	3.9	.3	1.0	.4	2.2	78	6	20	8	
Nebraska	13.7	.8	1.8	.4	10.7	118	7	16	3	
Kansas	23.8	1.3	4.7	2.3	15.5	133	7	26	13	
<b>South Atlantic</b>	595.4	44.7	108.2	35.9	406.6	187	15	36	12	
Delaware	10.6	-	2.6	.9	7.1	226	-	56	19	
Maryland	92.0	4.8	13.0	7.3	67.1	279	14	39	22	
District of Columbia	23.3	2.8	6.4	2.3	11.8	472	57	130	47	
Virginia	40.5	5.6	12.1	5.8	17.2	86	13	28	13	
West Virginia	7.2	1.0	1.7	.6	3.9	51	7	12	4	
North Carolina	80.2	3.6	17.3	3.2	58.2	172	8	37	7	
South Carolina	34.5	2.7	10.5	3.3	18.0	142	11	43	14	
Georgia	129.2	10.2	16.0	8.6	94.5	299	24	37	20	
Florida	177.9	14.3	28.6	4.2	130.8	201	16	32	5	
<b>East South Central</b>	128.4	18.7	38.3	18.8	62.7	118	15	38	16	
Kentucky	27.9	3.7	5.8	3.5	14.9	103	14	21	13	
Tennessee	45.2	6.0	7.1	7.5	24.6	128	17	20	21	
Alabama	34.4	4.5	11.0	2.4	16.5	118	15	38	8	
Mississippi	16.9	2.5	8.4	3.4	6.6	104	14	35	19	
<b>West South Central</b>	474.4	27.4	64.3	38.8	328.1	253	15	34	38	
Arkansas	19.2	1.5	4.6	3.8	9.3	112	9	27	22	
Louisiana	52.7	8.5	13.9	3.7	26.6	169	27	44	12	
Oklahoma	32.4	2.2	8.3	1.6	20.3	136	8	35	7	
Texas	370.1	15.2	37.5	47.6	269.9	320	13	32	41	
<b>Mountain</b>	101.1	10.0	22.8	6.8	68.5	108	11	24	9	
Montana	4.9	.4	1.1	.7	2.7	63	7	19	12	
Idaho	5.8	.6	1.3	.5	3.4	85	9	19	7	
Wyoming	3.1	.3	.6	.3	1.7	69	9	23	9	
Colorado	25.7	2.7	3.4	2.0	17.6	109	11	14	8	
New Mexico	8.9	1.3	2.3	1.1	4.2	88	13	23	11	
Arizona	31.3	2.9	8.5	1.7	18.2	135	13	37	7	
Utah	10.0	.9	1.8	1.2	6.3	97	9	16	12	
Nevada	11.4	.9	3.8	1.3	5.4	159	13	53	18	
<b>Pacific</b>	444.0	47.8	66.8	42.8	287.7	174	11	28	17	
Washington	60.7	3.6	6.9	6.0	44.2	166	11	21	19	
Oregon	31.2	2.3	4.6	2.0	22.4	169	12	23	10	
California	336.2	41.7	50.1	34.0	210.4	172	21	26	17	
Alaska	5.1	(2)	2.3	.2	2.6	145	-	66	6	
Hawaii	10.8	-	2.1	.7	8.0	141	-	27	9	

- Represents zero. <sup>2</sup> Fewer than 50. <sup>1</sup> Source of 1979 and 1983 jail totals: Jail censuses. Source of totals for years: Jail sample surveys, June 30 of each year. Source of State and regional jail populations: *The 1983 Jail Census*, both convicted and unconvicted adults held in locally operated jails. Connecticut, Delaware, Hawaii, Rhode Island, and Vermont had integrated jail/prison systems, the total incarcerated population for those States appears as the prison total.

<sup>2</sup> Includes all inmates of Federal and State institutions. <sup>3</sup> Includes all adults under State parole supervision, whether from prison via parole board decision or mandatory release, who were sentenced to more than 1 year in prison. <sup>4</sup> Includes adults who, as part of a State, or local court order, have been placed under the supervisory authority of a probation agency.

<sup>5</sup> Includes both State and Federal.

Source: Except as noted, U.S. Bureau of Justice Statistics, *Probation and Parole*, annual; *The 1983 Jail Census*; and *Prison State and Federal Institutions on December 31*, annual.

# 300. PRISONERS UNDER JURISDICTION OF STATE AND FEDERAL CORRECTIONAL AUTHORITIES— SUMMARY, BY STATE: 1960 TO 1966

[For years ending Dec. 31, except as noted]

REGION, DISTRICT, AND STATE	1960, total	1964, total	1966, total	1966		SENTENCED TO MORE THAN ONE YEAR				
				Total prison- ers	Prison- ers as percent of capacity <sup>1</sup>	1960	1964	1966	1966	
									Total	Rate per 100,000 population <sup>2</sup>
Alaska	329,821	484,587	803,271	548,588	115.8	315,974	446,108	481,363	823,922	216
Alabama	316,401	443,717	480,147	520,049	(NA)	303,843	426,713	456,934	488,140	423
Alaska	13,420	20,850	23,124	26,610	(NA)	12,331	19,395	21,456	24,782	20
Arizona	24,363	34,283	40,223	44,408	143.2	20,611	27,602	32,695	36,531	15
Arkansas	305,456	430,304	483,048	502,251	113.9	295,363	418,506	448,608	487,391	201
California	45,798	70,536	75,705	82,368	116.1	43,165	57,838	72,556	79,071	158
Colorado	65,211	85,860	95,704	103,101	120.6	64,494	85,480	95,245	102,689	173
Connecticut	146,358	183,971	202,926	215,713	106.2	142,650	186,634	195,868	206,374	249
Delaware	47,093	79,805	88,712	101,049	125.2	45,054	76,574	84,928	97,257	196
District of Columbia	8,926	13,889	18,432	16,718	142.8	7,886	11,322	12,480	13,437	186
Florida	614	1,025	1,225	<sup>3</sup> 1,316	123.9	671	840	967	<sup>3</sup> 1,185	99
Georgia	326	561	663	762	129.3	326	581	693	762	76
Hawaii	480	<sup>4</sup> 515	677	676	118.4	342	392	443	476	86
Idaho	3,185	4,890	5,390	<sup>5</sup> 5,678	173.9	3,150	<sup>6</sup> 4,890	<sup>7</sup> 5,390	<sup>8</sup> 5,678	97
Illinois	813	1,221	1,307	1,361	95.8	811	891	964	1,010	103
Indiana	4,306	5,718	6,149	6,905	148.2	2,750	3,746	4,043	4,326	135
Iowa	35,870	54,808	68,274	65,670	110.9	35,316	54,516	68,168	65,834	176
Kansas	21,815	33,155	34,712	38,449	102.2	21,636	33,155	34,712	38,449	216
Kentucky	5,884	10,363	11,335	12,020	114.2	5,564	10,363	11,335	12,020	157
Louisiana	8,171	13,090	14,227	15,201	137.6	8,112	12,996	14,119	15,165	128
Maine	51,178	64,836	72,589	78,833	128.4	48,888	64,571	72,280	78,302	188
Maryland	13,489	18,804	20,854	22,463	189.1	13,489	<sup>9</sup> 18,804	<sup>10</sup> 20,854	<sup>11</sup> 22,463	209
Massachusetts	6,683	9,328	9,904	10,175	116.8	6,261	9,083	9,615	9,983	181
Michigan	11,899	17,167	18,634	<sup>12</sup> 19,456	110.1	10,724	17,167	18,634	<sup>13</sup> 19,456	166
Minnesota	15,124	14,804	17,755	20,742	123.6	15,124	14,804	17,755	20,742	227
Mississippi	3,980	5,023	5,442	<sup>14</sup> 5,697	124.1	3,980	5,023	5,412	<sup>15</sup> 5,678	119
Missouri	15,896	21,884	23,106	24,588	186.1	14,898	20,888	22,985	24,387	199
Montana	2,001	2,167	2,343	2,462	96.1	2,001	2,167	2,343	2,462	56
Nebraska	2,481	2,836	2,832	2,777	99.0	2,479	2,836	2,832	2,777	98
Nevada	5,726	8,806	9,915	10,485	90.5	5,726	8,806	9,915	10,485	206
New Hampshire	253	434	422	421	89.4	185	374	375	361	53
New Jersey	536	917	1,047	1,045	91.9	609	900	1,035	1,014	143
New Mexico	1,446	1,654	1,614	1,663	127.1	1,402	1,566	1,733	1,863	116
New York	2,494	4,236	4,732	5,425	131.6	2,494	4,236	4,732	5,425	220
North Carolina	78,915	101,643	108,228	116,341	110.2	75,361	99,710	101,620	108,980	286
North Dakota	1,474	2,200	2,553	2,826	114.0	1,067	1,615	1,759	2,026	324
Ohio	7,731	13,124	13,605	13,326	118.5	7,731	12,442	12,303	12,556	260
Oklahoma	3,145	4,834	6,404	6,746	101.2	2,719	4,031	4,604	4,786	753
Oregon	8,920	10,667	12,073	<sup>16</sup> 12,930	117.3	8,561	10,463	11,717	<sup>17</sup> 12,545	215
Pennsylvania	1,257	1,569	1,725	<sup>18</sup> 1,482	<sup>19</sup> 91.0	1,257	1,569	1,725	1,482	77
Rhode Island	15,513	16,371	17,344	17,762	107.2	14,456	15,219	16,007	16,480	258
South Carolina	7,862	10,011	10,510	<sup>20</sup> 11,676	129.7	7,427	9,434	9,908	<sup>21</sup> 11,022	324
South Dakota	12,176	15,731	16,014	17,363	106.4	11,922	14,944	15,115	16,291	265
Tennessee	20,735	27,106	28,500	32,228	107.9	20,211	26,833	28,482	32,219	272
Texas	21,866	29,401	30,335	31,961	100.7	20,771	29,024	29,886	31,573	287
Utah	3,586	<sup>22</sup> 5,502	5,801	<sup>23</sup> 6,322	106.3	3,586	5,502	5,801	<sup>24</sup> 6,322	169
Vermont	7,022	7,302	7,127	7,182	92.1	7,022	7,302	7,127	7,182	149
Virginia	6,543	10,482	11,015	<sup>25</sup> 11,710	107.9	6,368	10,246	10,749	<sup>26</sup> 11,504	263
Washington	3,902	6,115	6,392	<sup>27</sup> 6,747	100.0	3,793	5,974	6,208	<sup>28</sup> 6,585	249
West Virginia	48,486	62,927	64,363	67,411	102.4	48,486	62,900	64,363	67,411	249
Wisconsin	2,911	4,454	4,611	4,701	101.6	2,911	4,427	4,611	<sup>29</sup> 4,701	196
Wyoming	8,889	13,919	13,990	<sup>30</sup> 14,580	100.5	8,889	13,919	13,990	<sup>31</sup> 14,580	322
Unaffiliated	4,796	7,872	8,330	8,596	126.9	4,796	7,872	<sup>32</sup> 8,330	<sup>33</sup> 8,596	288
Total	29,662	36,662	37,532	36,534	97.9	29,662	36,662	37,532	36,534	228
Rate per 100,000 population	13,141	21,279	22,798	25,586	191.9	13,024	20,821	22,329	25,006	199
Unaffiliated	739	1,005	1,129	1,111	106.1	738	1,005	1,129	1,111	135
Unaffiliated	817	1,282	1,294	<sup>34</sup> 1,451	112.5	817	1,282	1,294	<sup>35</sup> 1,451	144
Unaffiliated	534	<sup>36</sup> 724	758	865	91.1	534	724	758	865	170
Unaffiliated	2,629	3,364	3,369	3,673	97.7	2,609	3,347	<sup>37</sup> 3,369	<sup>38</sup> 3,673	111
Unaffiliated	1,279	2,129	2,313	2,701	109.3	1,196	1,906	2,112	2,545	170
Unaffiliated	4,372	7,845	8,531	9,434	95.2	4,360	7,838	8,273	9,036	268
Unaffiliated	932	1,419	1,633	<sup>39</sup> 1,845	106.5	926	1,407	1,523	<sup>40</sup> 1,817	106
Unaffiliated	1,839	3,510	3,771	4,505	115.2	1,839	3,510	3,771	4,505	462
Unaffiliated	33,962	58,827	66,914	75,464	137.5	32,030	55,753	62,690	72,252	309
Unaffiliated	4,399	6,821	6,909	<sup>41</sup> 6,603	115.6	4,399	6,821	6,909	<sup>42</sup> 6,603	147
Unaffiliated	3,177	4,563	4,454	4,737	142.6	3,172	4,563	4,454	4,737	175
Unaffiliated	24,569	43,314	50,111	<sup>43</sup> 59,484	141.9	23,264	41,780	48,279	<sup>44</sup> 57,725	212
Unaffiliated	822	1,995	2,329	2,480	105.3	571	1,290	1,530	1,866	306
Unaffiliated	965	1,934	2,111	2,180	174.1	624	1,299	1,426	1,521	142

Not available. <sup>1</sup> States can report three estimates of prison capacity: rated, operational, and design. Some States report estimates of the same number for all estimates. Excludes persons housed in local jails. <sup>2</sup> Unpublished Bureau of the Census estimates as of July 1, 1966 for the resident population were used to calculate rates. <sup>3</sup> Includes persons held under jurisdiction, not shown separately. <sup>4</sup> State estimated number of prisoners with sentences of 2 years or more instead of less than 1 year. ME, MD, and NC. <sup>5</sup> Includes prisoners held in jails because of crowding. ME, MA, IL, WI, VA, SC, KY, AL, LA, ID, UT, CA, and WA. <sup>6</sup> Includes both jail and prison inmates (State has combined jail and prison system). <sup>7</sup> Year Dec. 21. <sup>8</sup> Excludes State prisoners held in local jails because of overcrowding. <sup>9</sup> Includes an undetermined number of prisoners with sentences shorter than 1 year. <sup>10</sup> Numbers are custodial, not jurisdictional counts. <sup>11</sup> Year-end figures. <sup>12</sup> Capacity figures for males only.

U.S. Bureau of Justice Statistics, *Prisoners in 1966*, and earlier reports.

### NO. 310. AVERAGE TIME SERVED BY PRISONERS RELEASED FROM FEDERAL INSTITUTIONS FOR FIRST TIME, 1970 TO 1986, AND BY OFFENSE, 1986

[For fiscal years ending in year shown; see text, section 9. In computing averages, sentences to life and more than 45 years were counted as 45 years; minority sentences of juvenile delinquents were counted from date of sentence to 21st birthday]

YEAR AND OFFENSE	ALL FIRST RELEASES <sup>1</sup>			PAROLE <sup>1</sup>			EXPIRATION OF SENTENCE <sup>1, 2</sup>			YCA <sup>3</sup> RELEASES	
	Number	Average time (month)		Number	Average time (month)		Number	Average time (month)		Number	Avg. time served (month)
		Sentence	Served		Sentence	Served		Sentence	Served		
1970, all offenses.....	8,487	38.6	19.7	2,754	55.0	20.0	5,733	30.7	19.8	847	21.7
1975, all offenses.....	11,313	38.9	18.5	4,367	73.7	27.8	6,946	18.6	12.8	1,136	21.6
1976, all offenses.....	10,483	32.9	15.1	3,114	74.3	28.8	7,349	14.4	10.1	858	19.7
1977, all offenses.....	10,053	30.7	15.5	2,688	70.8	26.5	6,265	17.7	12.0	1,038	21.9
1978, all offenses.....	12,132	37.2	16.7	3,318	78.5	30.0	8,814	21.6	14.4	1,172	24.7
1979, all offenses.....	10,925	44.1	21.0	3,768	85.1	32.6	7,156	22.4	14.9	1,008	25.3
1980, all offenses.....	9,080	33.9	15.9	2,440	63.8	31.0	6,629	15.5	10.3	488	24.5
1981, all offenses.....	9,804	41.0	17.9	3,486	63.9	30.2	6,308	17.8	11.1	650	25.0
1982, all offenses.....	11,348	36.8	18.3	3,554	61.7	29.1	7,794	16.0	10.5	593	21.8
1983, all offenses.....	11,866	35.4	18.9	4,283	66.9	27.0	7,583	16.3	9.7	545	20.0
1984, all offenses.....	16,050	36.5	15.8	4,635	76.2	26.4	10,415	17.4	10.8	562	20.2
1985, all offenses.....	14,937	35.5	15.9	4,511	76.8	28.6	10,426	17.7	11.3	453	21.5
1986, all offenses <sup>4</sup> .....	19,988	34.6	18.8	4,867	78.8	26.7	13,398	16.8	11.4	236	24.8
Counterfeiting.....	270	33.6	15.9	94	55.5	19.5	176	21.9	14.0	6	25.0
Drug laws.....	4,783	43.2	19.5	1,981	68.7	24.4	2,802	25.8	18.1	89	20.6
Embezzlement.....	333	23.8	11.4	91	33.1	19.1	242	13.8	6.4	5	15.2
Escape, flight, or harboring a fugitive.....	111	30.5	18.9	21	47.1	22.3	90	28.7	16.1	5	15.9
Firearms.....	654	32.7	17.7	184	65.3	25.2	530	25.0	16.0	12	23.8
Forgery.....	470	29.0	14.8	171	49.1	19.9	298	17.8	11.9	11	19.2
Fraud.....	1,247	27.8	13.8	388	54.7	20.1	859	16.8	10.8	6	26.4
Immigration.....	4,015	5.8	3.7	206	39.1	14.8	3,809	4.0	3.1	4	28.2
Income tax.....	358	18.3	10.3	65	36.5	14.4	274	12.8	9.0	-	-
Kidnapping.....	29	251.8	65.7	19	327.0	109.5	10	108.3	40.5	5	37.8
Larceny-theft.....	1,330	36.8	18.3	487	58.8	23.1	843	24.5	15.8	32	17.7
Motor vehicle, interstate.....	225	45.4	22.1	102	56.0	21.7	123	36.7	22.4	6	19.0
Robbery.....	886	126.5	48.5	518	165.8	50.5	348	73.3	40.5	84	25.4
Securities, transporting false.....	31	68.8	40.8	8	128.0	43.3	23	31.5	15.5	-	-
White slave traffic.....	5	48.0	28.0	2	42.0	15.0	3	52.0	33.3	1	9.8
Military court-martial cases.....	11	150.7	66.0	5	185.0	84.3	5	108.8	68.2	-	-
Govt. reservation, high seas, territories, and DC.....	1,070	31.0	14.5	172	105.5	34.6	898	18.7	10.7	36	38.9

- Represents zero.

<sup>1</sup> Excludes prisoners sentenced under Youth Corrections Act.

<sup>2</sup> Includes mandatory release.

<sup>3</sup> Youth Corrections Act. <sup>4</sup> Includes other offenses not shown separately. Excludes 437 first releases (escapes, pardons, etc.) other than by parole, expiration of sentence, and mandatory release; also excludes 695 second or subsequent releases.

Source: U.S. Bureau of Prisons, Statistical Report, annual.

### NO. 311. PRISONERS UNDER SENTENCE OF DEATH: 1980 TO 1986

[As of December 31. Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison. These data may not match data in table 312 because of revisions to totals, but not to characteristics other than race]

CHARACTERISTIC	1980	1983	1984	1985	1986	CHARACTERISTIC	1980	1983	1984	1985	1986
Total.....	714	1,262	1,406	1,575	1,781	Mental status:					
White.....	427	680	804	886	1,006	Never married.....	268	484	570	668	772
Black and other.....	287	512	601	679	775	Married.....	229	306	443	487	528
Under 20 years.....	11	12	11	13	19	Divorced <sup>1</sup> .....	217	350	382	449	481
20-24 years.....	173	217	215	212	217	Time elapsed since sentencing:					
25-34 years.....	334	567	702	804	872	Less than 12 months.....	185	251	279	273	285
35-54 years.....	188	359	453	531	630	12-47 months.....	389	622	804	739	757
55 years and over.....	10	17	24	31	34	48-71 months.....	102	158	228	303	379
Years of school completed:						72 months and over.....	38	143	204	278	385
7 years or less.....	68	98	121	147	184	Legal status at arrest:					
8 years.....	74	123	137	159	174	Not under sentence.....	364	405	738	851	987
9-11 years.....	204	358	401	483	577	Parole or probation.....	115	225	279	350	408
12 years.....	162	319	386	440	515	Prison or escaped.....	45	58	66	81	82
More than 12 years.....	43	88	110	127	143	Unknown.....	170	314	321	299	388
Unknown.....	183	215	251	235	208						

<sup>1</sup> Revisions to the total number of prisoners were not carried to the characteristics except for race. <sup>2</sup> Includes persons married but separated, widows, widowers, and unknown. <sup>3</sup> Includes 20 persons on mandatory conditional release, work release, leave, AWOL, or bail.

Source: U.S. Bureau of Justice Statistics, Capital Punishment, annual.

## No. 312. MOVEMENT OF PRISONERS UNDER SENTENCE OF DEATH: 1970 TO 1986

is reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court imposes the first sentence of death for a capital offense. As a result of a major procedural change, beginning 1977, all data executions are not strictly comparable to corresponding data for earlier years. See source for explanation.)

STATUS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
inmate of death, Jan. 1	575	244	420	423	483	595	697	665	1,072	1,216	1,420	1,575					
1 death sentence	133	322	159	210	173	203	250	287	263	298	281	297					
	66	145	82	123	104	125	131	166	156	173	165	164					
	66	174	75	86	67	77	115	117	105	119	114	123					
one other than executions	77	78	155	150	59	101	82	78	117	89	108	73					
	-	-	1	-	2	-	1	2	5	21	18	18					
inmate of death, Dec. 31	631	486	423	483	595	697	664	1,073	1,214	1,420	1,575	1,781					
	263	216	229	281	354	425	498	515	594	608	688	1,006					
	336	262	192	198	238	266	357	446	508	505	664	750					

presents zero. <sup>1</sup> Includes races other than White or Black.

is: Through 1976, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, Capital and annual.

## No. 313. PRISONERS EXECUTED UNDER CIVIL AUTHORITY: 1930 TO 1986

is executions by military authorities. The Army (including the Air Force) carried out 160 (148 between 1942 and 1960, 3 in 1964, 1965, and 1967, and 1 each in 1956, 1966, and 1961). Of the total, 106 were executed for murder (including 21 for rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155-1167.]

ON PERIOD	Total	White	Black	EXECUTED FOR MURDER			EXECUTED FOR RAPE			OTHER OFFENSES <sup>1</sup>		
				Total	White	Black	Total	White	Black	Total	White	Black
1930	1,784	1,784	2,083	3,384	1,897	1,647	485	48	405	79	38	31
30	1,857	827	618	1,514	803	687	125	10	115	26	14	14
40	1,284	480	751	1,084	458	595	200	19	179	20	13	7
50	717	338	376	601	316	280	102	13	89	14	7	7
60	161	80	91	145	79	66	28	6	22	6	5	3
67	10	6	2	10	8	2	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
80	3	3	-	3	3	-	-	-	-	-	-	-
	1	1	-	1	1	-	-	-	-	-	-	-
	2	1	1	2	1	1	-	-	-	-	-	-
	6	4	1	6	4	1	-	-	-	-	-	-
	21	13	8	21	13	8	-	-	-	-	-	-
	18	11	7	18	11	7	-	-	-	-	-	-
	18	11	7	18	11	7	-	-	-	-	-	-

presents zero. <sup>1</sup> Includes races other than White or Black. <sup>2</sup> 25 armed robbery, 20 kidnapping, 11 burglary, 8 for (5 in 1942 and 2 in 1953), and 6 aggravated assault.

is: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, Capital and annual.

## J. 314. PRISONERS UNDER SENTENCE OF DEATH AND EXECUTED UNDER CIVIL AUTHORITY—STATES: 1940 TO 1986

utions took place in Maine, Michigan, Minnesota, New Hampshire, North Dakota, Rhode Island, and Wisconsin from 1940 to 1986. Maine, Minnesota, and Wisconsin never authorized the death penalty during the period. New Hampshire and Rhode Island authorized it for most of the 4 decades but did not apply it. Michigan abolished the penalty in 1963, and North Dakota in 1975. Alaska and Hawaii could enter those data after receiving statehood in 1959, after has authorized the death penalty.]

1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979	1980 to 1986
1,384	717	191	3	65	IA	7	1	2	-	-	OH	51	32	7	-	-
50	20	5	-	2	KS	5	5	5	-	-	OK	13	7	6	-	-
9	3	4	-	-	KY	34	16	1	-	-	OR	12	4	1	-	-
38	16	9	-	-	LA	47	27	1	-	7	PA	36	31	3	-	-
80	74	30	-	-	MD	45	6	1	-	-	SC	61	26	8	-	2
13	3	6	-	-	MA	9	-	-	-	-	SD	1	-	-	-	-
10	5	1	-	-	MS	60	36	10	-	1	TN	37	8	1	-	-
4	-	-	-	-	MO	15	7	4	-	-	TX	74	74	29	-	20
16	4	-	-	-	MT	1	-	-	-	-	UT	4	6	1	1	-
66	49	12	1	15	NE	2	2	-	-	-	VT	1	2	-	-	-
130	65	14	-	7	NV	10	9	2	1	1	VA	36	23	6	-	5
-	3	-	-	-	NJ	14	17	3	-	-	WA	16	6	2	-	-
16	9	2	-	-	NM	2	3	1	-	-	WV	11	9	-	-	-
7	2	1	-	2	NY	114	52	10	-	-	WY	2	-	1	-	-
					NC	112	11	1	-	3						

presents zero. <sup>1</sup> One execution in 1977, none in 1978, and two in 1979. <sup>2</sup> No executions in 1960, one in 1961, two in 1963, 21 in 1964, and 18 in 1965 and 1966. <sup>3</sup> Includes 23 Federal executions not shown by State (1940-1949, 0-1959, 9; and 1960-1969, 1).

is: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, Capital and annual.

## NO. 315. FIRE LOSSES—TOTAL AND PER CAPITA: 1946 TO 1986

[Prior to 1982, excludes Alaska and Hawaii. Includes allowance for uninsured and unreported losses but excludes losses to government property and forests. Based on paid losses through 1983, incurred losses thereafter]

YEARLY AVERAGE	Total (mil. dol.)	YEAR	Total (mil. dol.)	Per capita <sup>1</sup>	YEAR	Total (mil. dol.)	Per capita <sup>1</sup>	YEAR	Total (mil. dol.)	Per capita <sup>1</sup>
1946-1950.....	643	1980.....	1,108	\$6.19	1986.....	1,952	\$9.71	1976.....	4,008	\$18.06
1951-1955.....	833	1981.....	1,209	6.64	1970.....	2,328	11.41	1979.....	4,851	21.80
1956-1960.....	1,045	1982.....	1,285	6.80	1971.....	2,316	11.20	1980.....	5,579	24.55
1961-1965.....	1,341	1983.....	1,405	7.48	1972.....	2,304	11.01	1981.....	5,626	24.50
1966-1970.....	1,863	1984.....	1,387	7.18	1973.....	2,638	12.49	1982.....	5,994	25.41
1971-1975.....	2,726	1985.....	1,458	7.51	1974.....	3,190	14.96	1983.....	6,320	26.98
1976-1980.....	4,352	1986.....	1,487	7.84	1975.....	3,190	14.81	1984.....	7,002	32.15
1981-1985.....	6,639	1987.....	1,707	8.88	1976.....	3,558	16.35	1985.....	7,753	32.47
		1988.....	1,930	9.20	1977.....	3,764	17.13	1986.....	8,330	34.65

<sup>1</sup> Based on Bureau of the Census estimated resident population as of July 1

Source: 1946-1984, National Board of Fire Underwriters, New York, NY, *Report of the Committee on Statistics and Origin of Losses*; thereafter, Insurance Information Institute, New York, NY, *Insurance Facts*, annual.

## NO. 316. FIRES—NUMBER AND LOSS, BY TYPE AND PROPERTY USE: 1980 TO 1985

[Based on annual sample survey of fire departments. No adjustments were made for unreported fires and losses. Property loss includes direct property loss only]

TYPE AND PROPERTY USE	NUMBER (1,000)						PROPERTY LOSS (mil. dol.)					
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985
Fires, total.....	2,989	2,893	2,536	2,327	2,343	2,371	6,254	6,676	6,432	6,599	6,707	7,324
Structure.....	1,065	1,027	848	868	848	860	5,454	5,976	5,731	5,826	5,891	6,437
Outside of structure <sup>1</sup> .....	87	81	54	48	45	51	81	81	52	35	29	69
Brush and rubbish.....	1,115	1,052	832	756	790	832	-	-	-	-	-	-
Vehicle.....	472	466	443	447	455	456	665	564	591	694	749	792
Other.....	249	267	263	208	206	172	54	45	56	43	38	32
Structure by property use:												
Public assembly.....	29	28	28	26	24	24	320	356	381	354	336	402
Educational.....	20	20	17	11	12	13	101	184	181	103	122	114
Institutional.....	26	27	29	23	22	23	25	36	17	14	16	17
Stores and offices.....	62	65	58	50	49	49	645	642	510	666	654	654
Residential.....	756	733	676	642	623	622	3,042	3,259	3,253	3,308	3,440	3,774
1-2 family units <sup>2</sup> .....	591	574	538	524	508	502	2,447	2,713	2,794	2,782	2,945	3,217
Apartments.....	143	157	117	102	99	104	401	415	353	413	417	476
Hotels and motels.....	12	12	10	9	9	8	154	98	84	64	50	96
Other residential.....	12	10	11	7	9	8	40	32	22	37	28	26
Storage <sup>3</sup> .....	65	62	54	48	46	52	512	616	584	473	536	686
Industry, utility, defense <sup>3</sup> .....	55	49	42	36	35	36	672	775	663	763	831	872
Special structures.....	46	43	44	34	35	41	131	106	162	127	154	161

- Represents zero. <sup>1</sup> Includes outside storage, crops, timber, etc. <sup>2</sup> Includes mobile homes. <sup>3</sup> Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report.

Source: National Fire Protection Association, Quincy, MA, "Fire Loss in the United States During 1985", *Fire Journal*, September 1986 and prior issues. (Copyright.)

## NO. 317. FIRES AND PROPERTY LOSS FOR INCENDIARY AND SUSPICIOUS FIRES; AND CIVILIAN FIRE DEATHS AND INJURIES BY SELECTED PROPERTY TYPE: 1980 TO 1985

[Based on sample survey of fire departments]

ITEM	1980	1983	1984	1985	ITEM	1980	1983	1984	1985
NUMBER (1,000)					CIVILIAN FIRE DEATHS				
Structure fires, total.....	1,865	989	848	989	Deaths, total <sup>2</sup> .....	6,506	5,930	5,249	6,166
Structure fires of incendiary or suspicious origin.....	146	122	110	117	Residential property.....	5,446	4,820	4,240	5,085
Fires of incendiary origin.....	92	73	68	69	One- and two-family dwellings.....	4,175	3,825	3,290	4,039
Fires of suspicious origin.....	54	49	44	48	Apartments.....	1,025	845	765	866
PROPERTY LOSS <sup>1</sup> (mil. dol.)					Vehicles.....	740	725	630	626
Structure fires, total.....	5,464	5,828	5,391	6,437	CIVILIAN FIRE INJURIES				
Structure fires of incendiary or suspicious origin.....	1,760	1,421	1,417	1,670	Injuries, total <sup>2</sup> .....	39,200	31,276	26,128	28,426
Fires of incendiary origin.....	1,156	948	883	1,069	Residential property.....	21,000	21,450	19,275	19,825
Fires of suspicious origin.....	602	475	534	601	One- and two-family dwellings.....	16,100	16,450	15,100	16,259
					Apartments.....	3,600	4,300	3,650	4,695
					Vehicles.....	4,075	3,600	3,600	3,666

<sup>1</sup> Direct property loss only. <sup>2</sup> Includes other not shown separately.

Source: National Fire Protection Association, Quincy, MA, "Fire Loss in the United States During 1985", *Fire Journal*, September 1986 and prior issues. (Copyright.)





## Section 6

# Geography and Environment

ection presents a variety of information on the physical environment of the United States, with basic area measurement data and ending with climatic data for selected weather stations and the country. The subjects covered between those points are mostly concerned with general trends, but include such related subjects as land use and ownership, water control, hazardous waste sites, threatened and endangered wildlife, and expenditures for pollution abatement and control.

Information in this section is selected from a wide range of Federal agencies that compile data for various administrative or regulatory purposes, such as the Environmental Protection Agency, Geological Survey, National Oceanic and Atmospheric Administration, and General Services Administration. Other agencies include the Bureau of the Census, which presents nationwide measurement information; the Council on Environmental Quality (CEQ), which presents data on environmental conditions and pollutants in its annual report; and the Bureau of Economic Analysis, which compiles data on pollution abatement and control expenditures.

—Area measurements were first conducted for the United States as a whole, and gradually extended to the individual States. The annual report of the U.S. General Land Office for 1850 is the first reference to measurements of areas of the States and Territories. In 1881, as the 1880 Census of Population, the Bureau of the Census laid the foundation for accurate land area measurement in the United States. For the first time, an account was given of the land and maps employed, the water bodies included, and the outer limits of the United States as a basis for measurement. As part of the 1940 census, the Bureau published *Areas of the States: 1940*, in which data were presented on the total land and inland water areas of the counties, places, and minor civil divisions. Since the 1940 census, the Bureau has published area measurement figures in each succeeding census. In 1984, the Bureau undertook a new measurement of the areas of places with at least 1,000 inhabitants, minor civil divisions, and census divisions of the 1980 census. The results were published in *Area Measurement Reports*, IE-20, a series of State reports and a U.S. summary. For 1980, the areas of all States and places were completely remeasured, using newer large-scale maps and more modern equipment. Area results for these areas are published in *1980 Census of Population*, vol. 1, chapter A (series PC80-1-A). Data for places and selected minor civil divisions with a population of 50,000 and over, metropolitan areas, and urbanized areas as well as States and counties are contained in the U.S. summary report. Data for States, counties, and the selected places and MCDs are available on public use tape *Master Area Reference File (MARF)* 2.

—The Geological Survey conducts investigations, surveys, and research in the fields of geology, geography, geology, topography, land use/land cover, mineralogy, hydrology, and geothermal resources as well as natural hazards. In cooperation with State and local agencies, the Geological Survey prepares and publishes topographic, land use/land cover, geologic, and hydrologic data compilations. The Geological Survey provides United States cartographic data through the National Cartographic Information Center, water resources data through a multi-volume *Information on Water Data*, and a variety of research and Open-File reports which are issued monthly in *New Publications of the Geological Survey*.

—The National Ocean Service, a division of NOAA, is responsible for coastal and geodetic surveys and measurement of certain physical phenomena. Currently, its primary functions are to provide information for marine and air navigation, to maintain a basic network of geodetic control, and to compile oceanic data for engineering, scientific, commercial, industrial, and defense needs.

—An inventory of the nation's land resources by type of use/cover was conducted by the Soil Conservation Service in 1982. The results, published in the *1982 National Inventory of Land Resources*, include non-Federal land in Puerto Rico, the Virgin Islands, and the U.S. except Alaska.

—The maps prepared by the Bureau of the Census show boundaries of various types of political and statistical areas, such as places, county subdivisions, census tracts, and urbanized areas and are based on the specific census. An inventory of most of these areas was published for the 1980 census in *Geographic Identification Code Scheme (PHC80-R5)* and for the 1982 economic census in *Geographic Reference Manual (EC82-R-1)*. The Census Bureau maintains a current inven-



tory of political units and, for many entities, their legal boundaries through its Boundary and Annexation Survey.

**Environment.**—The CEQ is responsible for overseeing the environmental assessment process, recommending national environmental policies, analyzing changes and trends in the environment, and for reviewing Federal programs affecting the environment. It reports on environmental conditions, trends, programs and activities in its annual publication, *Environmental Quality*. The CEQ has also published unique compilations of environmental data in *Environmental Statistics, 1979*, and *Environmental Trends*. The principal Federal agency responsible for pollution abatement and control activities is the Environmental Protection Agency (EPA). It is responsible for establishing and monitoring national air quality standards, water quality activities, solid and hazardous waste disposal, and control of toxic substances.

Air sampling, conducted by the Public Health Service, began in 17 communities in 1953; in 1957 the National Air Surveillance Network was established and, by the late 1980's, covered approximately 260 urban and 30 rural stations. The operation of the stations was decentralized in 1972 to the 10 regional EPA offices and many of the stations were in turn assimilated into State and locally operated air monitoring networks. The Network determines the extent and nature of air pollution and studies trends in levels of atmospheric contaminants.

National Ambient Air Quality Standards (NAAQS) for suspended particulate matter, sulfur dioxide, photochemical oxidants, carbon monoxide, and nitrogen dioxide were originally set by the EPA in April 1971. Every 5 years each of the NAAQS are reviewed and revised if new health or welfare data indicates that a change is necessary. The standard for photochemical oxidants now called ozone was revised in February 1979. Also, a new NAAQS for lead was promulgated in October 1978. Table 331 gives some of the health-related standards for the six air pollutants having NAAQS. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. There are approximately 2,100 non-Federal sampling stations for suspended particulates, 550 for sulfur dioxide, 360 for carbon monoxide, 525 for ozone, 240 for nitrogen dioxide, and 240 for lead. Data from these State networks are periodically submitted to EPA's National Aerometric Data Bank for summarization in annual reports on the nationwide status and trends in air quality; for details, see *National Air Quality and Emissions Trends Report, 1985*.

**Pollution abatement and control expenditures.**—Data on expenditures for pollution abatement and control are compiled and published by the U.S. Bureau of Economic Analysis (BEA), the U.S. Bureau of the Census, and the CEQ as part of ongoing programs. BEA conducts surveys on national expenditures for pollution abatement and control and presents the data in its *Survey of Current Business*. The U.S. Bureau of the Census collects data on State and local government and industry expenditures on control activities. Data on government expenditures were reported in the annual *Environmental Quality Control: Government Finances*, which was discontinued after the report for fiscal year 1980. Industry data are reported annually in *Current Industrial Reports*. CEQ publishes data in *Environmental Quality*.

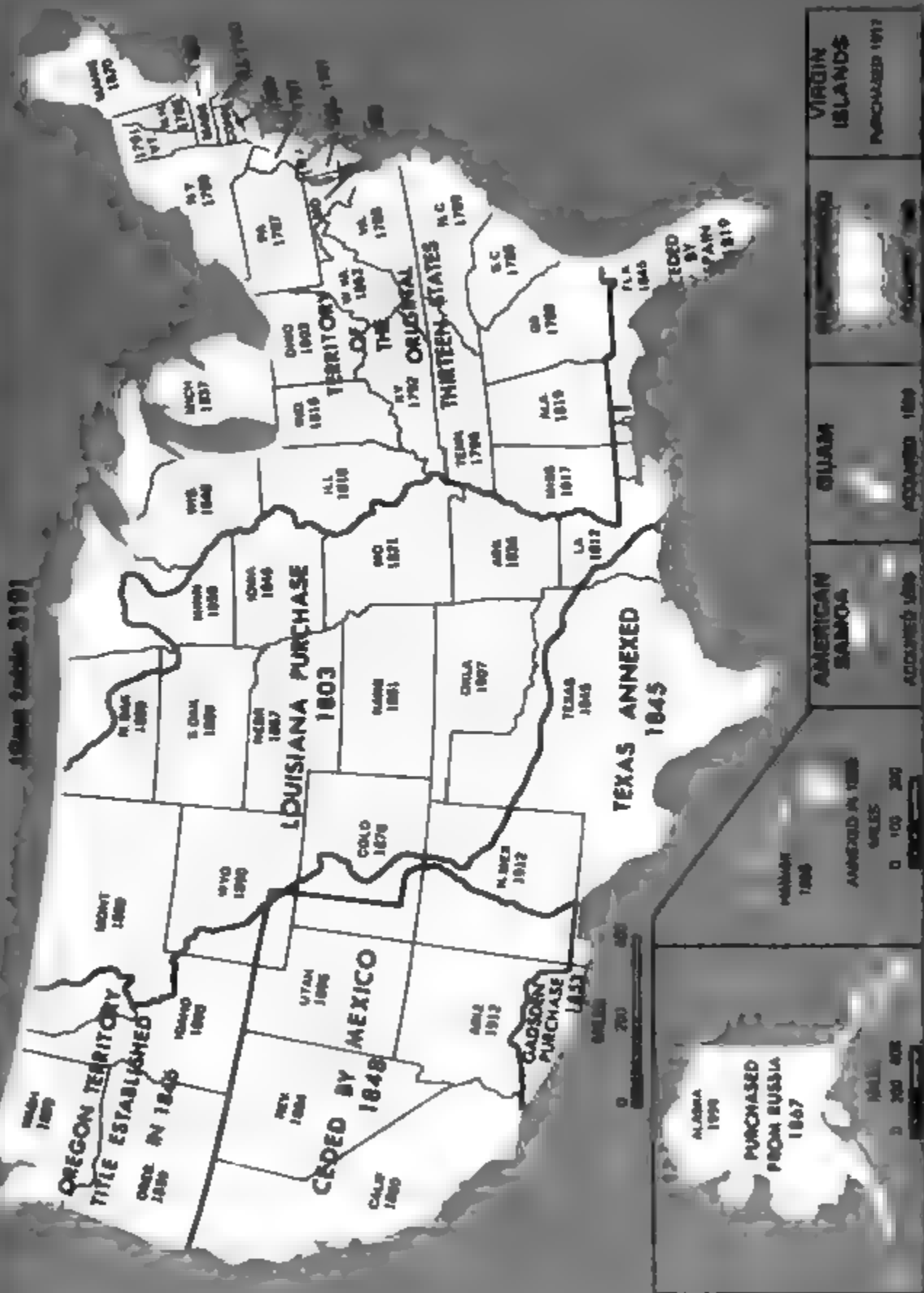
**Climate.**—NOAA, through the National Weather Service and the National Environmental Satellite, Data and Information Service, is responsible for data on climate. NOAA maintains about 11,600 weather stations, of which over 3,000 produce autographic precipitation records, about 600 take hourly readings of a series of weather elements, and the remainder record data once a day. These data are reported monthly in the *Climatological Data* (published by State), and monthly and annually in the *Local Climatological Data* (published by location for major cities).

The climatological temperature, precipitation, and degree day normals listed in this publication are derived for comparative purposes and are averages for the 30-year period, 1951-80. For stations that did not have continuous records for the entire 30 years from the same instrument site, the normals have been adjusted to provide representative values for the current location. The information in all other tables is based on data from the beginning of the record at that location through 1985, except as noted.

The degree day normals are used to determine relative estimates of heating and cooling requirements for buildings. Each degree that the average temperature for a day is below 65 degrees F produces one heating degree day. For example, if the maximum temperature is 70 degrees F and the minimum temperature is 52 degrees F, the average temperature for the day is 61 degrees, resulting in four (4) heating degree days. Cooling degree days are calculated in a similar fashion for each degree that the average temperature is above 65 degrees F. The monthly degree day normals represent the average accumulation of the daily values for the month.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.



## No. 318. AREA OF STATES AND OTHER AREAS: 1960

(One sq. mile = 2.59 sq. kilometers. See *Historical Statistics, Colonial Times to 1970*, series A 210-263, for land area)

DIVISION AND STATE OR OTHER AREA	Year admitted to statehood	TOTAL AREA			LAND AREA <sup>1</sup>		WATER AREA <sup>2</sup>	
		Rank	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States.....	(x)	(x)	3,818,770	9,872,514	3,539,299	9,199,799	79,491	205,964
New England.....	(x)	(x)	86,672	172,991	83,912	163,201	3,860	9,480
Maine.....	1820	36	33,265	86,156	30,995	80,277	2,270	5,879
New Hampshire.....	1788	44	9,279	24,032	8,993	23,292	286	739
Vermont.....	1791	43	9,814	24,900	9,273	24,017	341	883
Massachusetts.....	1788	45	8,264	21,456	7,824	20,265	460	1,191
Rhode Island.....	1790	50	1,212	3,140	1,055	2,732	158	408
Connecticut.....	1788	48	5,018	12,997	4,872	12,618	147	380
Middle Atlantic.....	(x)	(x)	182,203	464,707	99,733	258,308	2,479	6,396
New York.....	1788	30	49,108	127,190	47,377	122,707	1,731	4,483
New Jersey.....	1787	46	7,787	20,169	7,486	19,342	319	827
Pennsylvania.....	1787	33	45,306	117,348	44,688	116,260	420	1,099
East North Central.....	(x)	(x)	248,540	643,719	243,961	631,669	4,579	11,906
Ohio.....	1803	35	41,330	107,044	41,004	106,201	325	843
Indiana.....	1816	38	36,185	93,720	35,932	93,064	253	656
Illinois.....	1818	24	56,345	145,934	55,845	144,120	700	1,814
Michigan.....	1837	23	58,527	151,586	56,954	147,511	1,573	4,075
Wisconsin.....	1848	26	56,153	145,438	54,426	140,984	1,727	4,472
West North Central.....	(x)	(x)	817,835	2,141,196	506,132	1,316,083	9,893	25,694
Minnesota.....	1858	12	84,402	218,601	79,548	206,030	4,854	12,571
Iowa.....	1846	25	56,275	145,753	55,965	144,950	310	803
Missouri.....	1821	19	69,897	180,516	68,945	178,566	752	1,948
North Dakota.....	1889	17	70,702	183,119	69,300	179,486	1,403	3,633
South Dakota.....	1889	18	77,116	199,730	75,952	196,715	1,164	3,014
Nebraska.....	1867	15	77,355	200,350	76,644	198,508	711	1,842
Kansas.....	1861	14	82,277	213,098	81,778	211,805	499	1,283
South Atlantic.....	(x)	(x)	278,925	722,420	266,910	681,296	12,017	31,123
Delaware.....	1787	49	2,045	5,295	1,932	5,005	112	290
Maryland.....	1788	42	10,480	27,092	9,837	25,477	623	1,615
District of Columbia.....	(x)	(x)	69	178	63	162	6	16
Virginia.....	1789	36	40,767	105,986	39,704	102,632	1,063	2,754
West Virginia.....	1863	41	24,232	62,760	24,119	62,488	112	291
North Carolina.....	1789	28	52,669	136,413	49,843	128,504	3,825	9,809
South Carolina.....	1788	40	31,113	80,582	30,203	78,227	909	2,365
Georgia.....	1788	21	58,910	152,576	58,056	150,385	854	2,211
Florida.....	1845	22	58,664	151,939	54,153	140,256	4,511	11,693
East South Central.....	(x)	(x)	181,947	471,243	178,824	463,164	3,123	8,090
Kentucky.....	1792	37	40,410	104,880	39,669	102,743	740	1,917
Tennessee.....	1796	34	42,144	109,152	41,155	106,591	989	2,561
Alabama.....	1819	29	51,705	133,915	50,767	131,487	938	2,429
Mississippi.....	1817	32	47,669	123,515	47,233	122,333	437	1,139
West South Central.....	(x)	(x)	437,701	1,133,646	427,271	1,109,633	10,430	27,013
Arkansas.....	1836	27	53,187	137,754	52,078	134,893	1,109	2,872
Louisiana.....	1812	31	47,752	123,677	44,521	115,310	3,230	8,368
Oklahoma.....	1907	16	69,666	181,186	68,655	177,817	1,301	3,389
Texas.....	1845	2	266,807	691,030	262,017	678,623	4,790	12,407
Mountain.....	(x)	(x)	683,593	2,236,628	656,193	2,214,861	8,399	21,677
Montana.....	1889	4	147,046	380,848	145,388	376,555	1,658	4,283
Idaho.....	1890	13	83,564	216,432	82,412	213,447	1,153	2,985
Wyoming.....	1890	9	97,809	253,326	96,889	251,202	920	2,125
Colorado.....	1876	8	104,091	269,596	103,595	268,311	496	1,285
New Mexico.....	1912	5	121,593	314,925	121,335	314,258	258	667
Arizona.....	1912	6	114,000	295,280	113,506	293,966	492	1,274
Utah.....	1896	11	84,899	219,869	82,073	212,569	2,826	7,320
Nevada.....	1864	7	110,561	286,352	109,894	284,624	667	1,736
Pacific.....	(x)	(x)	921,392	2,386,406	898,253	2,331,295	25,140	65,112
Washington.....	1889	20	68,139	176,479	66,511	172,264	1,627	4,215
Oregon.....	1859	10	97,073	251,419	96,184	249,117	889	2,302
California.....	1850	3	158,706	411,049	156,299	404,814	2,407	6,235
Alaska.....	1959	1	591,004	1,530,700	570,833	1,478,458	20,171	52,269
Hawaii.....	1959	47	8,471	21,759	8,425	21,641	46	119
Other areas:								
Puerto Rico.....	(x)	(x)	3,515	9,104	3,459	8,959	56	146
American Samoa.....	(x)	(x)	77	199	77	199	-	-
Guam.....	(x)	(x)	209	541	209	541	-	-
Virgin Islands of the U.S.....	(x)	(x)	132	342	132	342	1	3
Pacific Islands, Trust Territory of the.....	(x)	(x)	533	1,381	533	1,381	-	-
No. Mariana Islands.....	(x)	(x)	184	477	184	477	-	-

- Represents zero. X Not applicable. <sup>1</sup> Dry land and land temporarily or partially covered by water, such as marshland, swamps, etc., streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres in area. <sup>2</sup> Permanent inland water surface, such as lakes, reservoirs, and ponds having an area of 40 acres or more, streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands under 40 acres in area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water. <sup>3</sup> Year of ratification of Constitution; one of the original 13 States. <sup>4</sup> Under trusteeship; see table 3, footnote 5.

Source: U.S. Bureau of the Census, 1960 Census of Population, vol. I, part A (PC80-1-A), and unpublished data.

## NO. 318. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER AREAS

[One square mile = 2.59 square kilometers. Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently these figures were adjusted to bring them into agreement with remeasurements made in 1998. See also *Historical Statistics, Colonial Times to 1970*, series J 1-2.]

ACCESSION	Acquisition date	GROSS AREA (land and water)		ACCESSION	Acquisition date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.			Sq. mi.	Sq. km.
Total.....	(x)	3,823,634	9,884,884	Other areas:			
United States.....	(x)	3,618,770	9,372,814	Puerto Rico.....	* 1898	3,515	9,104
Territory in 1790 <sup>1</sup> .....	(x)	891,384	2,308,833	Guam.....	* 1898	208	541
Louisiana Purchase.....	1803	831,321	2,153,121	American Samoa.....	* 1899	77	199
Purchase of Florida.....	1819	69,866	180,853	Virgin Islands of the U.S.....	1917	132	342
Texas.....	1845	384,858	997,041	Pacific Islands, Trust Territory of the <sup>2</sup> .....	1947	533	1,380
Oregon.....	1846	283,439	734,107	No. Mariana Islands <sup>3</sup> .....	1947	184	477
Mexican Cession.....	1848	530,706	1,374,529	All other <sup>4</sup> .....	(x)	14	36
Gadsden Purchase.....	1853	29,840	76,788				
Alaska.....	1867	581,004	1,530,700				
Hawaii.....	1898	6,471	16,760				

X Not applicable. <sup>1</sup> Includes that part of drainage basin of Red River of the North, south of 46th parallel, sometimes considered part of Louisiana Purchase. <sup>2</sup> Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. <sup>3</sup> Acquired 1899; ratified 1899. <sup>4</sup> Acquired 1899; ratified 1900. <sup>5</sup> Land area only. Under trusteeship; see table 3, footnote 5. <sup>6</sup> Comprises the following islands with gross areas as indicated, in sq. mi.: Midway (2.5), Wake (3), Palmyra (4), Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston Atoll (combined area, less than .5), and Kingman Reef (less than .5). Excludes Canton and Enderbury Islands (combined area 27 sq. mi. or 73 sq. km.), which are considered to be under the jurisdiction of Kiribati since 1979, and Swan Islands (1 sq. mi.), which were returned to Honduras in 1972.

Source: U.S. Bureau of the Census, unpublished data.

## NO. 320. LAND UTILIZATION, BY TYPE: 1958 TO 1982

[See *Historical Statistics, Colonial Times to 1970*, series J 50-58, J 71, and J 75, for similar data.]

TYPE	LAND (mil. acres)					PERCENT				
	1958	1968	1974	1978	1982	1958	1968	1974	1978	1982
Total land area <sup>1</sup> .....	2,271	2,284	2,284	2,284	2,284	100.0	100.0	100.0	100.0	100.0
LAND USE										
Cropland used for crops <sup>2</sup> .....	359	332	361	369	363	15.8	14.7	16.0	16.3	16.9
Idle cropland.....	33	51	21	26	21	1.5	2.3	.9	1.1	.9
Cropland used only for pasture.....	66	66	63	76	65	2.9	3.9	3.7	3.4	2.9
Grassland pasture <sup>3</sup> .....	633	604	598	587	587	27.9	26.7	26.4	25.9	25.4
Forest land <sup>4</sup> .....	728	723	718	703	685	32.1	31.9	31.7	31.1	29.9
Special uses	146	172	162	168	* 270	6.4	7.6	6.0	7.0	* 11.8
Urban areas <sup>5</sup> .....	24	31	35	( <sup>6</sup> )	( <sup>6</sup> )	1.1	1.4	1.5	( <sup>6</sup> )	( <sup>6</sup> )
Transportation areas <sup>7</sup> .....	25	28	28	27	27	1.1	1.2	1.2	1.2	1.2
Recreation areas <sup>8</sup> .....	44	48	52	67	* 116	1.9	2.2	2.3	2.9	* 5.1
Wildlife areas <sup>9</sup> .....	17	32	36	41	* 95	.8	1.4	1.6	1.8	* 4.2
National defense and industrial <sup>10</sup> .....	28	28	25	25	24	1.1	1.1	1.1	1.1	1.1
Farmsteads, farm roads, and lanes.....	10	8	8	8	8	.4	.4	.4	.4	.4
Other land <sup>11</sup> .....	308	293	301	* 346	* 274	13.5	12.9	13.2	* 15.2	* 12.1
LAND OWNERSHIP										
Private land <sup>12</sup> .....	1,332	1,317	1,316	1,315	1,329	58.7	58.2	58.1	58.1	58.7
Indian lands <sup>13</sup> .....	53	50	51	52	51	2.3	2.2	2.3	2.3	2.2
Public land, total.....	886	897	897	897	885	39.0	39.6	39.6	39.6	39.1
Federal.....	788	783	781	742	730	33.7	33.7	33.6	32.8	32.2
State and local.....	121	134	136	155	155	5.3	5.9	6.0	6.8	6.9

<sup>1</sup> Changes in total land area are due to variable methods and materials used in periodic remeasurements, and to the construction of artificial reservoirs. <sup>2</sup> Cropland harvested, crop failure, and cultivated summer fallow. <sup>3</sup> Grassland and other nonforest pasture and range. <sup>4</sup> Excludes reserved forest land in parks and other special uses of land. Includes forest grazing land. <sup>5</sup> Changes in use between 1978 and 1982 are primarily attributed to reclassification and change of Alaskan lands to park, wilderness, and wildlife areas. <sup>6</sup> Estimated area in urbanized areas and places of 2,500 or more population outside urbanized areas. <sup>7</sup> Data for urban areas included in other land. <sup>8</sup> Represents rural highway, road, and railroad rights-of-way, and airports. <sup>9</sup> Area in National and State parks and related recreation areas, including area in national wilderness and primitive areas. <sup>10</sup> Acreage administered by Federal and State agencies primarily for wildlife protection and propagation. <sup>11</sup> Areas administered by the Dept. of Defense for military purposes and by the Department of Energy. <sup>12</sup> Miscellaneous areas such as marshes, open swamps, bare rock area, deserts, and tundra, and various other uses not inventoried. <sup>13</sup> Land owned by individuals, partnerships, and corporations. <sup>14</sup> Managed in trust by Bureau of Indian Affairs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Major Uses of Land in the United States: 1982*, AER 535, June 1985, and earlier reports in the series.

## No. 321. AREA AND ACQUISITION OF THE FEDERAL PUBLIC DOMAIN: 1781 TO 1966

[In millions of acres. Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 319 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1970*, series J 3-6]

YEAR	Land area, total <sup>1</sup>	YEAR	LAND AREA <sup>1</sup>			YEAR AND ACQUISITION	ACREAGE		
			Total	Public domain	Acquired		Total	Land	In-land water
1802	200.0	1973	761.0	704.8	56.2	Aggregate	1,837.8	1,804.7	33.1
1850	1,200.0	1974	760.5	703.8	56.7				
1880	900.0	1975	760.4	702.9	57.5	1781-1802 (State Cessions)	236.6	233.4	3.2
1812	600.0	1976	762.2	702.8	59.4	1803, Louisiana Purchase <sup>2</sup>	529.9	523.4	6.5
1846	413.0	1977	741.5	683.3	58.2	1819, Cession from Spain	46.1	43.3	2.8
1950	412.0	1978	775.2	712.0	63.2	Red River Basin <sup>3</sup>	29.6	29.1	.5
1955	407.9	1979	744.1	684.3	59.8	1846, Oregon Compromise	163.4	160.6	2.7
1959	766.6	1980	719.5	648.0	71.5	1846, Mexican Cession <sup>2</sup>	338.7	334.5	4.2
1960	771.5	1981	730.6	666.7	62.2	1850, Purchase from Texas	78.9	76.8	1
1966	765.9	1982	729.8	670.0	59.8	1853, Gadsden Purchase	19.0	19.0	(2)
1970	761.3	1983	732.0	672.4	59.6	1867, Alaska Purchase	375.3	362.5	12.8
1971	760.2	1984	726.6	658.9	67.7				
1972	760.7	1985	726.7	656.2	70.5				
		1986	727.1	662.7	64.4				

<sup>2</sup> Less than 50,000. <sup>1</sup> Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1950, excludes Alaska, and 1960, Hawaii. Source: Beginning 1955, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

<sup>3</sup> Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession. <sup>4</sup> Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior, Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S., 1922*.

## No. 322. TOTAL AND FEDERALLY OWNED LAND, 1960 TO 1986, AND BY STATE, 1986

[As of end of fiscal year; see text, section 9. Total land area figures are not comparable with those in table 318]

YEAR, REGION, DIVISION, AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT <sup>1</sup>		DIVISION AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT <sup>1</sup>	
			Acres (1,000)	Per cent				Acres (1,000)	Per cent
1960	2,273,407	1,501,884	771,512	33.9	W. No. Cent.	326,191	314,586	11,605	3.6
1965	2,271,343	1,505,546	765,797	33.6	MT	51,206	47,746	3,460	6.8
1970	2,271,343	1,510,042	761,301	33.5	IA	35,860	35,700	160	.4
1973	2,271,343	1,510,344	760,999	33.5	MO	44,248	42,178	2,072	4.7
1974	2,271,343	1,510,811	760,532	33.5	ND	44,452	42,510	1,942	4.4
1975	2,271,343	1,510,929	760,414	33.5	SD	48,862	46,149	2,733	5.6
1976	2,271,343	1,509,151	762,192	33.5	NE	49,032	48,317	714	1.5
1977	2,271,343	1,529,834	741,509	32.6	KS	52,511	51,830	682	1.1
1978	2,271,343	1,496,094	775,249	34.1	So. At.	171,324	167,499	3,825	2.2
1979	2,271,343	1,533,545	744,146	32.8	DE	1,266	1,236	30	2.4
1980	2,271,343	1,551,822	719,522	31.7	MD	6,319	6,122	197	3.1
1981	2,271,343	1,540,528	730,815	32.2	DC	39	28	11	27.9
1982	2,271,343	1,541,522	729,821	32.1	VA	25,496	23,041	2,455	9.6
1983	2,271,343	1,539,301	732,042	32.2	WV	15,411	14,246	1,165	7.6
1984	2,271,343	1,544,785	726,558	32.0	NC	31,403	29,184	2,219	7.1
1985	2,271,343	1,544,656	726,686	32.0	SC	19,374	18,205	1,169	6.0
					GA	37,295	34,996	2,299	6.2
					FL	34,721	30,441	4,280	12.3
1986, total	2,271,343	1,544,230	727,113	32.0	E. So. Cent.	116,141	106,943	9,198	8.4
Region:					KY	25,512	24,112	1,401	5.5
Northeast	104,699	101,136	3,564	3.4	TN	26,726	24,740	1,986	7.4
Midwest	482,869	464,529	18,341	3.8	AL	32,678	31,547	1,132	3.5
South	581,238	532,430	26,808	5.1	MS	30,223	28,544	1,678	5.6
West	1,122,536	446,137	676,400	60.3	W. So. Cent.	274,779	265,968	8,782	3.2
N. Eng.	40,401	38,087	2,314	5.7	AR	33,599	30,200	3,399	10.1
ME	19,848	19,907	160	.8	LA	26,868	27,686	1,181	4.1
NH	5,789	5,029	740	12.8	OK	44,066	43,220	867	2.0
VT	5,637	5,615	322	5.4	TX	166,216	164,882	3,335	2.0
MA	5,035	4,952	83	1.6	MT	548,448	279,807	268,643	49.0
RI	677	672	5	.7	ID	93,271	85,035	28,236	30.3
CT	3,135	3,122	14	.4	WY	52,933	19,174	33,759	63.8
Mid. At.	64,298	62,048	2,250	3.5	CO	62,343	30,912	31,431	50.4
NY	30,681	29,221	1,460	4.8	NM	66,486	42,297	24,189	36.4
NJ	4,813	4,662	151	3.1	AZ	77,766	51,696	25,871	33.3
PA	26,804	26,156	639	2.2	UT	72,666	41,015	31,673	43.6
E. No. Cent.	168,878	169,001	8,879	4.3	NV	52,697	19,126	33,569	63.7
OH	26,222	25,900	322	1.2	CA	70,264	10,450	59,815	85.1
IN	23,158	22,721	437	1.9	Pre	674,068	168,230	407,857	60.4
IL	35,795	35,295	500	1.4	WA	42,694	30,235	12,459	29.2
WI	36,492	32,963	3,529	9.7	OR	61,599	31,667	30,031	48.8
					AK	100,207	53,664	46,523	46.2
					HI	365,462	47,125	318,357	87.1
						4,108	3,419	687	16.7

<sup>1</sup> Excludes trust properties.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

## NO. 223. LAND COVER/USE, BY STATE: 1982

[In thousands of acres. Excludes Alaska and District of Columbia]

STATE	Total surface area <sup>1</sup>	Federal surface area	NONFEDERAL							
			Total	Urban and built-up land	Rural transportation	Rural land				
						Total <sup>2</sup>	Crop-land	Pasture land	Rangeland	Forest land
<b>All States</b>	<b>1,837,726</b>	<b>404,083</b>	<b>1,433,643</b>	<b>46,418</b>	<b>26,814</b>	<b>1,412,611</b>	<b>420,884</b>	<b>132,388</b>	<b>405,614</b>	<b>383,187</b>
Alabama	33,091	904	31,553	806	839	29,897	4,510	3,817	-	20,533
Alaska	72,980	32,056	40,803	711	291	39,582	1,208	79	30,946	4,760
Arizona	34,040	3,114	30,221	636	540	28,770	6,102	5,794	162	14,340
Arkansas	101,572	45,562	54,471	3,266	1,037	49,833	10,516	1,393	16,125	15,218
California	66,618	23,611	42,886	672	809	41,271	10,603	1,280	24,223	4,030
Colorado	3,212	9	3,109	603	55	2,401	245	114	-	1,828
Connecticut	1,300	33	1,204	126	26	1,039	519	35	-	348
Delaware	37,645	3,129	31,526	2,770	601	27,730	3,557	4,273	3,804	12,430
District of Columbia	37,702	2,086	35,078	1,632	504	32,636	6,686	2,977	-	21,864
Florida	4,141	342	3,771	126	23	3,810	333	874	-	1,474
Georgia	63,481	33,445	19,448	189	255	18,934	6,360	1,274	6,733	3,977
Hawaii	36,061	493	25,137	1,848	870	32,076	24,727	3,157	-	3,429
Idaho	23,159	489	22,514	1,182	517	20,597	13,781	2,212	-	3,640
Illinois	36,016	172	35,844	623	1,081	33,709	26,441	4,536	-	1,768
Indiana	52,858	585	51,785	721	1,104	49,856	29,116	2,241	16,909	626
Iowa	25,862	1,125	24,278	636	570	22,886	5,934	5,880	-	10,158
Kansas	30,561	1,104	27,103	823	548	25,256	6,409	2,389	241	12,885
Kentucky	21,290	136	19,702	212	270	19,086	953	589	-	18,770
Louisiana	6,895	158	6,114	763	114	6,173	1,784	534	-	2,425
Maine	5,302	89	4,823	663	128	3,839	287	202	-	2,970
Maryland	37,457	3,087	33,368	1,968	873	30,265	9,443	2,011	-	15,380
Massachusetts	54,017	3,373	47,457	904	1,154	45,036	23,024	3,580	196	13,958
Michigan	30,521	1,618	28,556	582	539	27,063	7,415	3,975	-	15,243
Minnesota	44,808	2,094	41,963	1,117	977	39,543	14,966	12,573	168	10,968
Mississippi	94,108	27,107	65,847	197	784	64,866	17,187	3,036	37,837	5,228
Missouri	49,607	639	48,449	415	826	46,990	20,277	2,125	23,096	732
Montana	70,799	60,166	10,159	199	152	9,786	680	304	7,906	357
Nebraska	5,838	727	5,033	298	109	4,829	158	125	-	4,086
Nevada	4,984	145	4,835	1,183	69	3,342	608	240	-	1,848
New Hampshire	77,819	28,420	51,247	267	362	50,635	2,413	169	40,982	4,734
New Jersey	31,429	237	30,084	1,811	594	27,386	5,912	3,872	-	18,517
New Mexico	33,708	2,116	29,111	1,822	727	26,481	6,895	1,880	-	18,729
New York	45,250	1,879	42,434	198	1,036	41,021	27,039	1,272	10,946	438
North Carolina	28,451	346	25,892	2,187	645	22,859	12,447	2,714	-	8,380
North Dakota	44,772	1,192	42,783	861	799	40,795	11,588	7,136	15,080	6,539
Ohio	62,127	32,122	29,332	526	365	28,291	4,356	1,966	9,362	11,899
Oklahoma	28,997	688	28,080	2,073	613	25,144	5,866	2,593	-	15,300
Oregon	778	4	872	140	14	508	27	36	-	409
Pennsylvania	19,912	1,150	18,173	639	475	16,981	3,579	1,208	-	11,028
Rhode Island	49,354	2,824	46,762	231	833	44,506	16,947	2,703	22,764	562
South Carolina	26,972	1,343	24,980	1,000	588	23,189	51,562	5,356	-	11,529
South Dakota	17,075	2,986	164,766	4,388	2,234	157,431	33,320	17,043	95,353	9,324
Tennessee	54,336	35,819	18,703	274	152	18,247	2,039	490	6,469	3,235
Texas	8,153	315	5,819	97	101	5,377	648	501	-	4,087
Utah	26,081	2,347	23,063	1,219	329	21,292	3,387	3,382	-	13,626
Vermont	43,808	12,474	30,082	990	482	28,462	7,783	1,345	5,637	12,890
Virginia	15,508	1,104	14,330	312	205	13,722	1,093	1,869	-	10,423
Washington	35,938	1,800	33,084	1,125	770	30,880	11,457	3,394	-	13,393
West Virginia	62,588	29,315	32,803	148	330	32,240	2,587	755	26,915	887

presents zero. <sup>1</sup> Includes 107.8 million acres of water areas and minor land cover/uses not shown separately, and 59.55 million acres of minor land cover/uses not shown separately.

U.S. Dept. of Agriculture, Soil Conservation Service, 1982 National Resources Inventory, forthcoming.



## No. 324. EXTREME AND MEAN ELEVATIONS—STATES AND OTHER AREAS

(One foot = .305 meter)

STATE OR OTHER AREA	HIGHEST POINT			LOWEST POINT			APPROXIMATE MEAN ELEVATION	
	Name	Elevation		Name	Elevation		Feet	Meters
		Feet	Meters		Feet	Meters		
U.S.	Mt. McKinley (AK)	20,320	6,198	Death Valley (CA)	-282	-86	2,500	
AL	Cheaha Mountain	2,407	734	Gulf of Mexico	(1)	(1)	800	
AK	Mount McKinley	20,320	6,198	Pacific Ocean	(1)	(1)	1,600	
AZ	Humphreys Peak	12,633	3,853	Colorado River	70	21	4,100	1,2
AR	Magazine Mountain	2,753	840	Ouachita River	55	17	650	
CA	Mount Whitney	14,494	4,421	Death Valley	-282	-86	2,900	
CO	Mt. Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800	2,1
CT	Mt. Friswell, on South slope	2,380	726	Long Island Sound	(1)	(1)	500	
DE	Ebright Road, New Castle County	442	135	Atlantic Ocean	(1)	(1)	60	
DC	Tenleytown	410	125	Potomac River	1	(2)	150	
FL	Sec. 30, T8N, R20W, Walton County	345	105	Atlantic Ocean	(1)	(1)	100	
GA	Breastown Bald	4,784	1,459	Atlantic Ocean	(1)	(1)	800	
HI	Mauna Kea	13,795	4,208	Pacific Ocean	(1)	(1)	3,000	
ID	Borah Peak	12,662	3,862	Snake River	710	217	5,000	1,5
IL	Charles Mound	1,235	377	Mississippi River	279	85	600	
IN	Franklin Twp., Wayne Co.	1,257	383	Ohio River	320	98	700	
IA	Sec. 29, T100N, R41W, Osceola County	1,670	509	Mississippi River	480	146	1,100	
KS	Mount Sunflower	4,039	1,232	Verdigris River	680	207	2,000	
KY	Black Mountain	4,145	1,264	Mississippi River	257	78	750	
LA	Driskill Mountain	535	163	New Orleans	-5	-2	100	
ME	Mount Katahdin	5,268	1,607	Atlantic Ocean	(1)	(1)	600	
MD	Backbone Mountain	3,360	1,025	Atlantic Ocean	(1)	(1)	350	
MA	Mount Greylock	3,491	1,065	Atlantic Ocean	(1)	(1)	500	
MI	Mount Arvon	1,979	604	Lake Erie	572	174	600	
MN	Eagle Mountain, Cook Co.	2,301	702	Lake Superior	602	184	1,200	
MS	Woodall Mountain	806	246	Gulf of Mexico	(1)	(1)	300	
MO	Tamr Sauk Mountain	1,772	540	St. Francis River	230	70	600	
MT	Granite Peak	12,799	3,904	Kootenai River	1,600	549	3,400	1,1
NE	Johnson Twp., Kimball Co.	5,426	1,655	Southeast corner of State	640	256	2,600	
NV	Boundary Peak	13,143	4,009	Colorado River	470	143	5,500	1,7
NH	Mount Washington	6,288	1,918	Atlantic Ocean	(1)	(1)	1,000	
NJ	High Point	1,803	550	Atlantic Ocean	(1)	(1)	280	
NM	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,617	659	5,700	1,8
NY	Mount Marcy	5,344	1,630	Atlantic Ocean	(1)	(1)	1,000	
NC	Mount Mitchell	6,684	2,039	Atlantic Ocean	(1)	(1)	700	
ND	White Butte, Slope Co.	3,506	1,069	Red River	750	229	1,900	
OH	Campbell Hill	1,550	473	Ohio River	433	132	680	
OK	Black Mesa	4,973	1,517	Little River	267	81	1,300	
OR	Mount Hood	11,239	3,428	Pacific Ocean	(1)	(1)	3,300	1,1
PA	Mount Davis	3,213	980	Delaware River	(1)	(1)	1,100	
RI	Jerimoth Hill	812	248	Atlantic Ocean	(1)	(1)	200	
SC	Sassafras Mountain	3,580	1,089	Atlantic Ocean	(1)	(1)	350	
SD	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200	
TN	Clingmans Dome	6,643	2,026	Mississippi River	162	56	900	
TX	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(1)	(1)	1,700	
UT	Kings Peak	13,528	4,126	Bogardam Creek	2,000	610	6,100	1,9
VT	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000	
VA	Mount Rogers	5,729	1,747	Atlantic Ocean	(1)	(1)	950	
WA	Mount Rainier	14,410	4,395	Pacific Ocean	(1)	(1)	1,700	
WV	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500	
WI	Timms Hill	1,951	595	Lake Michigan	581	177	1,050	
WY	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	945	6,700	2,1
Other areas:								
PR	Cerro de Punta	4,368	1,339	Atlantic Ocean	(1)	(1)	1,800	
Am. Samoa	Lata Mountain	3,160	964	Pacific Ocean	(1)	(1)	1,300	
GU	Mount Lamlam	1,329	406	Pacific Ocean	(1)	(1)	330	
VI	Crown Mountain	1,556	475	Atlantic Ocean	(1)	(1)	780	

Z Less than .5 meter.

Sea level.

"Sec." denotes section; "T." township; "R." range; "N." north; "W." west.

Source: U.S. Geological Survey, *Elevations and Distances in the United States*, 1980.



## NO. 325. LENGTHS OF PRINCIPAL NORTH AMERICAN RIVERS

are rivers 600 miles or more in length. Length represents distance to designated outflow from (a) original headwater of river where name applies to entire length of channel, or (b) upper limit of channel so named, usually the junction of 2 or headwater streams. One mile = 1.609 kilometers]

RIVER/OUTFLOW	LENGTH		RIVER/OUTFLOW	LENGTH	
	Miles	Kilo-meters		Miles	Kilo-meters
Coosa/Mobile River	600	968	Mississippi-Missouri-Red Rock/Mouth of SW Pass	3,710	5,970
Delaware Bay	610	981	Missouri/Mississippi River	2,315	3,725
/Mississippi River	1,456	2,346	Missouri-Red Rock/Mississippi River	2,540	4,080
Delaware Inlet	600	968	Mobile-Alabama-Coosa/Mobile Bay	645	1,040
Gulf of Mexico	623	1,000	North Canadian/Canadian River	486	786
/Arkansas River	906	1,458	North Platte/Platte River	616	994
Hudson Bay	1,000	1,609	Ohio/Mississippi River	661	1,078
/Arkansas River	600	968	Ohio-Allegany/Mississippi River	1,306	2,101
(U.S.-Mex.)/Gulf of California	1,450	2,333	Ottawa/St. Lawrence	790	1,271
(Texas)/Matagorda Bay	662	1,067	Quechita/Red River	606	973
/Pacific Ocean	1,343	2,160	Peace/Savoie River	6,210	10,007
Upper/to mouth of Snake River	680	1,092	Peace/Rio Grande	626	1,009
nd/Ohio River	720	1,158	Red (OK-TX-LA)/Mississippi River	1,179	1,897
Trail of Georgia	660	1,063	Rio Grande/Gulf of Mexico	1,760	2,840
St. Lawrence River	646	1,044	St. Lawrence/Lake Ontario	600	969
T-WY/Colorado River	730	1,176	Saskatchewan N/Lake Winnipeg	600	969
IO-SD)/Missouri River	710	1,142	Saskatchewan S/Lake Winnipeg	666	1,070
in/Kuskokwim Bay	724	1,165	Savannah (Ontario)/Hudson Bay	610	981
Charles River	660	1,063	Snake/Columbia River	1,036	1,666
in/Arctic Ocean	600	968	Tanana/Yukon River	666	1,070
ouri River	625	1,006	Tennessee/Ohio River	652	1,049
pl/Mouth of SW Pass	2,346	3,778	Tennessee-French Broad/Ohio River	663	1,071
pl, Upper/to mouth of Missouri	1,171	1,884	White (AR-MO)/Mississippi River	720	1,158
			Yellowstone/Missouri River	662	1,110
			Yukon/Bering Sea	1,679	2,699

c: U.S. Geological Survey, unpublished data.

## NO. 326. WATER AREA, OTHER THAN INLAND WATER—STATES

See only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 1. One square mile = 2.59 square kilometers]

BODY OF WATER	AREA		BODY OF WATER	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Atlantic Ocean	74,364	192,368	Gulf of Mexico coastal water	3,637	9,438
coastal water	2,266	5,862	Alabama	680	1,760
Delaware Bay	37	96	Florida	1,636	4,266
Delaware Inlet	46	124	Louisiana	1,016	2,631
Delaware River	1,102	2,854	Mississippi	666	1,740
Delaware Sound	660	1,716	Texas	7	18
Delaware Strait	14	36	Lake Michigan	22,178	57,441
Delaware Strait	136	357	Illinois	1,626	4,232
Delaware Strait	3,237	8,384	Indiana	228	591
Delaware Strait	1,726	4,470	Michigan	13,037	33,788
Delaware Strait	1,511	3,913	Wisconsin	7,367	19,132
Delaware Strait	666	1,722	New York Harbor	92	236
Delaware Strait	360	937	New Jersey	66	170
Delaware Strait	316	816	New York	23	60
Delaware Strait	6,002	15,565	Lake Ontario: New York	3,023	7,855
Delaware Strait	216	560	Pacific coastal water	343	896
Delaware Strait	564	1,466	California	66	170
Delaware Strait	3,457	8,984	Oregon	46	124
Delaware Strait	736	1,906	Washington	226	586
Delaware Strait	1,610	4,170	Puget Sound: Washington	661	1,713
Delaware Strait	6,976	18,124	Lake St. Clair: Michigan	116	300
Delaware Strait	1,266	3,304	Lake Superior	21,118	54,866
Delaware Strait	573	1,484	Michigan	16,231	42,036
Delaware Strait	726	1,880	Minnesota	2,212	5,728
			Wisconsin	2,676	6,936

c: U.S. Bureau of the Census, *Areas of the United States: 1940*.

## No. 327. WATER WITHDRAWALS AND CONSUMPTION PER DAY—STATES AND OTHER AREAS: 1965

[In millions of gallons per day, except as noted. Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water.]

STATE OR OTHER AREA	WATER WITHDRAWN								Consumption in the year
	Total	Per capita (gal. per day) fresh	Source		Use				
			Ground water	Sur- face water	Irriga- tion	Public supply <sup>1</sup>	Indus- trial <sup>2</sup>	Thermo- electric	
<b>Total</b>	<b>389,900</b>	<b>1,408</b>	<b>73,900</b>	<b>325,000</b>	<b>137,000</b>	<b>30,820</b>	<b>29,534</b>	<b>167,000</b>	<b>95</b>
Alabama	6,600	2,140	347	6,250	69	654	851	6,920	
Alaska	406	727	72	334	-	86	133	30	
Arizona	6,430	1,960	3,100	3,330	5,520	645	133	58	
Arkansas	5,910	2,500	3,810	2,100	3,870	317	175	1,090	
California	49,700	1,420	15,100	34,600	30,600	5,460	1,159	12,180	21
Colorado	13,800	4,190	2,340	11,200	12,400	754	211	110	4
Connecticut	3,780	375	144	3,640	3	401	147	3,210	
Delaware	1,650	222	79	1,560	27	87	410	1,121	
District of Columbia	348	558	-	348	-	218	-	130	
Florida	17,000	554	4,050	13,000	2,910	1,839	679	11,351	5
Georgia	5,450	689	1,000	4,440	453	935	656	3,326	
Hawaii	2,150	1,100	655	1,490	906	215	20	970	
Idaho	22,300	22,200	4,800	17,500	20,600	301	334	-	1
Illinois	14,500	1,250	988	13,500	71	1,910	636	11,700	
Indiana	6,030	1,470	635	7,400	47	714	2,751	4,480	
Iowa	2,770	980	671	2,090	67	415	260	1,810	
Kansas	5,680	2,320	4,800	874	4,730	366	95	415	4
Kentucky	4,200	1,130	205	3,990	6	451	266	3,410	
Louisiana	10,400	2,210	1,430	8,970	1,670	675	2,072	5,664	5
Maine	1,520	733	66	1,460	2	127	578	745	
Maryland	6,710	321	219	6,490	34	634	371	5,429	
Massachusetts	9,660	1,070	315	9,340	16	602	153	8,450	
Michigan	11,400	1,270	600	10,800	210	1,373	1,385	8,390	
Minnesota	2,830	676	685	2,150	209	604	457	1,470	
Mississippi	2,460	668	1,570	895	868	328	188	670	
Missouri	6,110	1,210	640	5,470	306	669	116	4,830	
Montana	6,650	10,500	203	6,450	6,300	174	60	67	1
Nebraska	10,000	6,250	5,580	4,450	7,270	272	167	2,210	4
Nevada	3,740	3,860	908	2,830	3,350	300	35	23	1
New Hampshire	894	668	84	810	1	111	236	543	
New Jersey	6,940	307	668	6,270	132	1,114	1,137	4,546	
New Mexico	3,280	2,320	1,510	1,780	2,520	264	63	59	1
New York	16,200	506	1,100	14,100	38	3,051	1,060	10,870	1
North Carolina	6,760	1,260	435	6,320	132	764	536	7,266	
North Dakota	1,160	1,660	127	1,040	154	84	13	892	
Ohio	12,700	1,180	730	12,000	17	1,559	540	10,600	
Oklahoma	1,270	366	569	707	445	547	113	134	
Oregon	6,540	2,450	660	5,880	5,710	496	301	12	1
Pennsylvania	14,300	1,210	798	13,500	11	1,784	2,208	10,200	
Rhode Island	412	156	27	385	3	126	20	261	
South Carolina	6,620	2,040	214	6,410	34	421	1,135	5,166	
South Dakota	675	966	249	425	480	96	46	7	
Tennessee	6,450	1,770	444	6,010	9	667	1,613	6,060	
Texas	25,300	1,230	7,410	17,900	6,120	3,066	2,763	11,010	1
Utah	4,320	2,540	815	3,500	3,590	453	213	26	5
Vermont	126	235	37	89	1	65	55	1	
Virginia	7,250	653	341	6,910	52	661	673	5,760	
Washington	7,030	1,600	1,220	5,810	4,940	1,053	559	427	4
West Virginia	5,700	2,940	211	5,490	4	172	1,026	4,490	
Wisconsin	6,740	1,400	570	6,170	84	659	461	5,440	
Wyoming	6,220	12,200	526	5,700	5,660	111	164	236	1
Puerto Rico	2,600	176	176	2,430	157	409	18	2,005	
Virgin Islands	124	68	2	123	-	6	14	103	

— Represents zero. <sup>1</sup> Includes domestic. <sup>2</sup> Includes mining.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1965*, circular 1005.

## NO. 323. U.S. WATER WITHDRAWALS AND CONSUMPTIVE USE PER DAY BY END USE: 1940 TO 1985

[Includes Puerto Rico. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power. See also *Historical Statistics, Colonial Times to 1970*, series J 82-103]

YEAR	Total (bil. gal.)	Per capita <sup>1</sup> (gal.)	Irrigation (bil. gal.)	PUBLIC SUPPLY <sup>2</sup>		Rural <sup>4</sup> (bil. gal.)	Industri- al and misc. <sup>5</sup> (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita <sup>2</sup> (gal.)			
WITHDRAWALS								
1940	140	1,027	71	10	75	3.1	29	23
1950	180	1,185	89	14	145	3.6	37	40
1955	240	1,454	110	17	148	3.8	38	72
1960	270	1,500	110	21	151	3.6	38	100
1965	310	1,802	120	24	155	4.0	46	130
1970	370	1,815	130	27	166	4.5	47	170
1975	420	1,972	140	29	188	4.8	45	200
1980	450	1,953	150	34	183	5.8	45	210
1985	400	1,850	140	39	195	7.8	30	190
CONSUMPTIVE USE								
1960	61	339	52	3.5	25	2.8	3.0	2
1965	77	403	66	5.2	34	3.2	3.4	.4
1970	87	427	73	6.8	36	3.4	4.1	.8
1975	98	451	80	6.7	38	3.4	4.2	1.9
1980	100	440	83	7.1	38	3.9	5.0	3.2
1985	95	380	74	(*)	(*)	9.2	6.1	6.1

<sup>1</sup> Based on Bureau of the Census resident population as of July 1. <sup>2</sup> Includes domestic central and commercial water withdrawals. <sup>3</sup> Based on population served. <sup>4</sup> Rural farm and nonfarm household and garden use, and water for farm stock and dairies. <sup>5</sup> For 1940-1960, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordinance, construction, and miscellaneous. <sup>6</sup> Public supply consumptive included in end-use categories. <sup>7</sup> Includes domestic public supply and commercial.

Source: 1940-1980, U.S. Bureau of Domestic Business Development, based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, thereafter U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1005, and previous quinquennial issues.

## NO. 328. NATIONAL AMBIENT WATER QUALITY IN RIVERS AND STREAMS—VIOLATION RATE: 1975 TO 1986

[In percent. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept. µg=micrograms. mg=milligrams. For metric conversions, see p. iv.]

POLLUTANT	VIOLATION LEVEL	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986
Fecal coliform bacteria	Above 200 cells per 100 ml	36	35	34	31	30	33	34	30	28	26
Dissolved oxygen	Below 5 mg per liter	5	5	4	5	4	5	4	3	3	2
Phosphorus, total, as phosphorus	Above 1.0 mg per liter	5	5	3	4	4	3	3	4	3	4
Lead, dissolved	Above 50 µg per liter	(B)	(B)	13	5	3	2	5	(Z)	(Z)	(Z)
Cadmium, dissolved	Above 10 µg per liter	(B)	(B)	4	1	1	1	1	(Z)	(Z)	(Z)

B Base figure too small to meet statistical standards for reliability of derived figures. Z Less than 1.

Source: U.S. Geological Survey, national-level data, unpublished; State-level data, *Water-Data Report*, annual series prepared in cooperation with the State governments.

## NO. 330. POLLUTING INCIDENTS REPORTED IN AND AROUND U.S. WATERS: 1970 TO 1985

YEAR	Incidents	Gallons (1,000)	YEAR	Incidents	Gallons (1,000)
1970	3,771	15,253	1981	10,564	18,773
1971	8,738	6,840	1982	10,414	23,154
1972	9,931	16,806	1983	11,348	30,078
1973	13,328	24,315	1984	13,017	18,161
1974	14,432	18,422			
1975	12,781	22,243	1985	18,957	23,987
1976	13,930	36,609			
1977	15,330	11,248	Type of pollutant		
1978	14,485	17,557	Crude oil	10,177	19,075
1979	13,134	13,661	Diesel oil	810	4,902
1980	11,155	15,083			

Source: U.S. Coast Guard. Based on unpublished data from the *Marine Safety Information System*, June 1987

## NO. 331. NATIONAL AMBIENT AIR POLLUTANT CONCENTRATIONS: 1976 TO 1985

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations, except carbon monoxide is based on the second-highest, non-overlapping, 8-hour average; ozone, average of the second-highest daily maximum one hour value; and lead, quarterly average of ambient lead levels. Based on data from the National Aerometric Data Bank.  $\mu\text{g}/\text{m}^3$  = micrograms of pollutant per cubic meter of air, ppm-parts per million]

POLLUTANT	Unit	Monitoring stations, number	Air quality standard <sup>1</sup>	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Carbon monoxide	ppm	163	<sup>a</sup> 9	11.2	10.7	10.1	9.7	9.0	8.8	8.1	8.0	7.9	7.2
Ozone	ppm	163	<sup>a</sup> 122	15	16	16	14	14	13	13	14	13	12
Sulfur dioxide	ppm	264	.03	0.15	0.14	0.13	0.12	0.11	0.11	0.10	0.09	0.10	0.08
Total suspended particulates	$\mu\text{g}/\text{m}^3$	1,400	75	83.2	82.4	81.8	<sup>a</sup> 82.5	<sup>a</sup> 84.0	84.0	48.9	48.2	50.4	46.1
Nitrogen dioxide	ppm	106	.053	0.28	0.29	0.29	0.30	0.29	0.26	0.26	0.26	0.26	0.25
Lead	$\mu\text{g}/\text{m}^3$	53	<sup>a</sup> 1.5	1.27	1.30	1.16	.88	.80	.51	.46	.42	.38	.26
INDEX													
Carbon monoxide		163	<sup>a</sup> 9	100	96	90	87	80	79	72	71	71	64
Ozone		163	<sup>a</sup> 122	100	107	107	103	103	107	87	93	87	80
Sulfur dioxide		264	.03	100	93	87	80	73	73	67	60	67	60
Total suspended particulates	1976=100	1,400	75	100	98	97	99	101	94	79	76	80	78
Nitrogen dioxide		106	.053	100	104	104	107	104	100	93	93	93	88
Lead		53	<sup>a</sup> 1.5	100	102	91	68	47	40	33	33	30	20

<sup>1</sup> Refers to the primary National Ambient Air Quality Standard that protects the public health.

<sup>a</sup> Based on 8-hour standard of 9 ppm. <sup>b</sup> Based on 1-hour standard of .12 ppm. <sup>c</sup> Values are biased high due to type of data measuring instruments used. <sup>d</sup> Based on 3-month standard of 1.5  $\mu\text{g}/\text{m}^3$ .

Source: U.S. Environmental Protection Agency, *National Ambient Air Quality and Emissions Trends Report*, 1985, April 1987.

## NO. 332. NATIONAL AIR POLLUTANT EMISSIONS: 1940 TO 1985

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1,023 short tons. PM=Particulates, SO<sub>2</sub>=Sulfur dioxide, NO<sub>x</sub>=Nitrogen oxide, VOC=Volatile organic compound, CO=Carbon monoxide, Pb=Lead]

YEAR	EMISSIONS						PERCENT CHANGE <sup>1</sup>					
	PM	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Pb	PM	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Pb
1940	22.8	17.5	8.8	18.4	81.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1950	24.5	19.8	9.3	20.7	86.3	(NA)	7.5	13.1	36.8	12.5	5.6	(NA)
1960	21.1	19.5	12.8	23.8	88.4	(NA)	-13.8	-1.5	37.6	14.0	2.4	(NA)
1970	18.1	26.2	18.1	27.2	98.7	203.8	14.2	44.8	41.4	15.3	11.7	(NA)
1975	10.4	25.8	19.1	22.8	81.0	147.0	42.5	-9.2	5.5	-18.2	-17.9	-27.8
1980	8.4	23.2	20.3	22.8	76.0	70.6	-4.2	-2.0	1.2	-	-1.3	-13.8
1981	7.9	22.4	20.3	21.5	73.4	55.9	-8.0	-3.4	-	-5.7	-3.4	-20.8
1982	7.1	21.3	19.5	20.0	67.4	54.4	-10.1	-4.9	-3.9	-7.0	-8.2	-2.7
1983	7.0	20.5	19.1	20.8	70.3	48.3	-1.4	-3.8	-2.1	4.0	4.3	-14.8
1984	7.3	21.3	19.7	21.8	69.6	40.1	4.3	3.9	3.1	4.8	-1.0	-13.6
1985	7.3	20.7	20.0	21.3	67.5	21.0	-	-2.8	1.5	-2.3	-3.0	-67.8

- Represents zero. NA Not available. <sup>1</sup> Percent change from prior year shown.

## NO. 333. AIR POLLUTANT EMISSIONS, BY POLLUTANT AND SOURCE: 1970 TO 1985

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1,023 short tons]

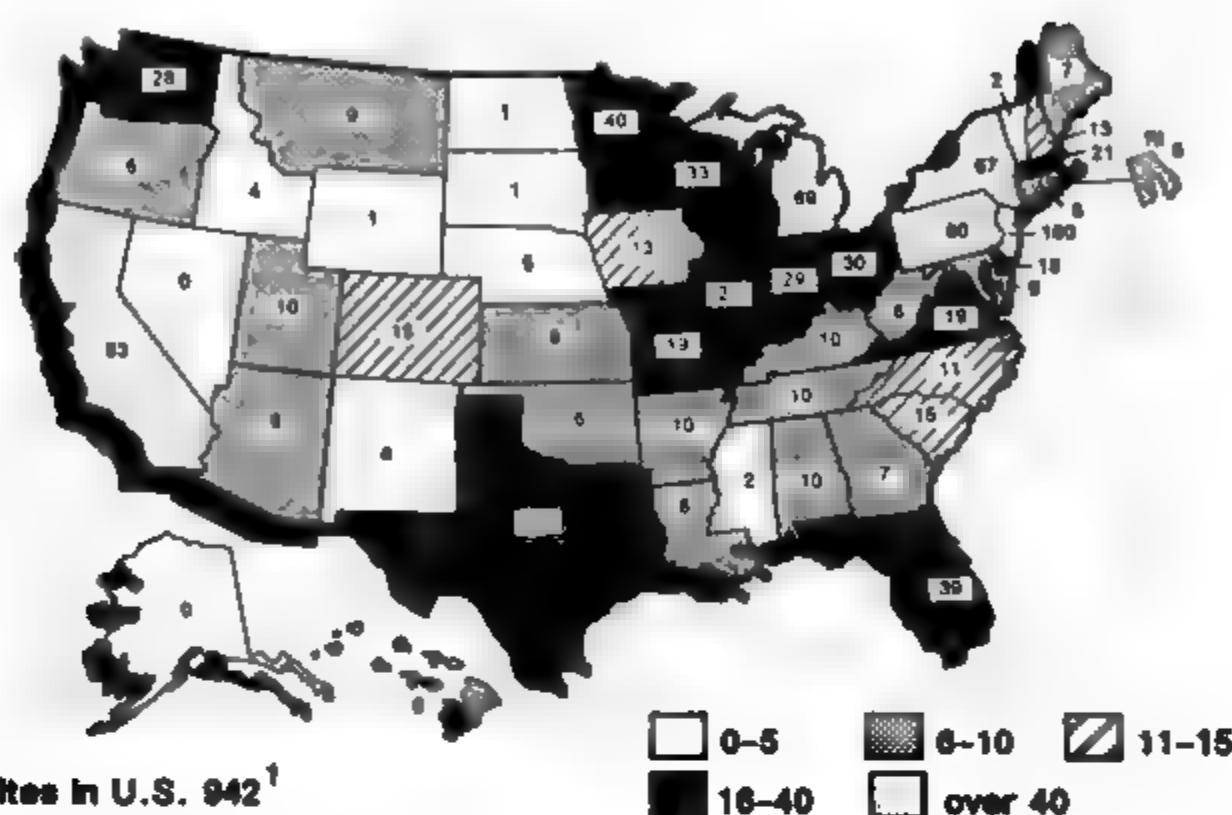
YEAR AND POLLUTANT	Total emissions	CONTROLLABLE EMISSIONS						Misc. un-controllable	PERCENT OF TOTAL		
		Transportation		Fuel combustion <sup>1</sup>		Industrial processes	Solid waste disposal		Transportation	Fuel combustion <sup>1</sup>	Industrial
		Total	Road vehicles	Total	Electric utilities						
1970: Carbon monoxide	86.7	71.8	82.7	4.4	.2	8.9	6.4	7.2	72.7	4.5	8.1
Sulfur oxides	28.2	.8	.3	21.3	15.8	8.2	(z)	1	2.1	75.5	22.8
Volatile organic compounds	27.2	12.4	11.1	1.1	(z)	8.6	1.6	3.3	45.6	4.1	31.7
Particulates	16.1	1.2	.9	4.6	2.3	10.1	1.1	1.1	6.6	25.4	68.6
Nitrogen oxides	18.1	7.6	6.0	9.1	4.4	7	.4	.3	42.0	50.3	3.8
Lead	203.8	163.8	156.0	8.6	.3	23.8	6.7	(z)	80.3	4.7	11.7
1980: Carbon monoxide	78.0	52.8	45.2	7.3	.3	8.3	2.2	7.6	69.2	8.8	8.3
Sulfur oxides	23.2	.8	.4	18.7	15.5	3.5	(z)	(z)	3.9	80.6	16.1
Volatile organic compounds	22.8	6.2	6.9	2.2	(z)	9.0	.6	2.9	36.0	9.8	39.8
Particulates	8.4	1.3	1.1	2.4	.6	3.2	.4	1.1	15.5	28.6	37.6
Nitrogen oxides	20.3	9.2	7.2	10.1	6.4	7	1	.2	45.3	49.8	3.6
Lead	70.6	59.4	58.4	3.8	.1	3.6	3.7	(z)	84.1	5.5	5.1
1985: Carbon monoxide	67.5	47.5	40.7	6.1	.3	4.8	2.0	5.3	70.4	12.0	8.8
Sulfur oxides	20.7	.8	.5	17.0	14.2	2.9	(z)	(z)	3.9	82.1	14.0
Volatile organic compounds	21.3	7.2	6.0	2.6	(z)	8.8	.6	2.3	33.8	12.2	40.6
Particulates	7.3	1.3	1.1	2.1	.6	2.7	.3	.8	17.8	28.6	34.6
Nitrogen oxides	20.0	8.9	7.1	10.2	6.8	.8	1	1	44.5	51.0	3.6
Lead	21.0	14.5	.9	.5	.1	2.3	2.8	(z)	69.0	2.4	1.4

Z Less than 50,000 metric tons. <sup>1</sup> Stationary.

Source of tables 332 and 333: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates, 1940-1985*, January 1987

Figure 6.2

Hazardous Waste Sites—June 1987

Total sites in U.S. 942<sup>1</sup>

Represents final and proposed sites on National Priority List.

<sup>1</sup> Includes eight in Puerto Rico; and one in Guam.

Source: U. S. Environmental Protection Agency, National Priorities List Fact Book.

## NO. 334. MUNICIPAL SOLID WASTE GENERATION, RECOVERY, AND DISPOSAL: 1960 TO 1984

In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated.

ITEM AND MATERIAL	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Gross waste generated.....	82.3	86.3	116.3	122.7	130.4	133.3	136.0	140.7	139.1	140.8	137.8	144.1	148.1
Per person per day (lb.).....	2.50	2.77	3.18	3.11	3.26	3.32	3.40	3.43	3.36	3.36	3.25	3.27	3.43
Materials recovered.....	5.9	6.2	8.0	9.1	10.8	11.6	11.8	13.0	13.4	13.2	12.8	13.9	15.1
Per person per day (lb.).....	18	17	21	23	27	29	29	32	32	31	30	32	35
Percent of gross discards recovered:													
Paper and paperboard.....	18.0	15.0	16.8	19.2	19.8	20.7	19.9	20.9	21.9	20.6	20.6	20.7	20.8
Glass.....	1.5	1.2	1.2	2.7	3.4	3.5	3.3	4.0	5.0	5.0	5.2	5.9	7.2
Ferrous metals.....	.5	1.0	1.2	1.9	2.1	2.4	2.7	3.1	3.2	3.1	2.8	2.7	2.8
Aluminum.....	(NA)	(NA)	1.6	12.4	11.8	13.1	13.7	13.0	19.6	26.4	30.9	29.3	29.4
Processed for energy recovery.....	(NA)	.2	4	7	9	1.4	1.5	2.3	2.7	2.3	3.5	5.0	6.5
Per person per day (lb.).....	(NA)	.01	.01	.02	.02	.03	.04	.06	.06	.06	.06	.12	.15
Net waste disposed of.....	76.4	81.9	108.9	112.8	118.7	120.9	124.7	125.4	123.0	125.4	121.4	125.2	126.5
Per person per day (lb.).....	2.32	2.50	2.94	2.86	2.98	2.99	3.07	3.05	2.96	2.99	2.88	2.92	2.93
Percent distribution of net discards: <sup>2</sup>													
Paper and paperboard.....	32.1	35.0	33.1	30.4	32.8	33.1	33.8	34.4	33.6	34.5	33.2	35.3	37.1
Glass.....	8.4	8.2	11.3	11.6	11.3	11.4	11.6	11.3	11.3	11.3	11.0	10.4	9.7
Metals.....	12.7	11.6	12.2	11.8	11.1	10.9	10.5	10.6	10.3	10.0	10.1	9.8	9.6
Plastics.....	.5	1.5	2.7	3.8	4.7	5.3	5.8	6.4	6.0	6.1	6.7	7.0	7.2
Rubber and leather.....	2.2	2.4	2.7	3.3	3.1	2.8	2.8	3.3	3.3	3.2	3.0	2.8	2.5
Textiles.....	2.6	2.4	2.0	2.2	2.1	2.0	2.2	2.3	2.3	2.4	2.4	2.3	2.1
Wood.....	3.9	3.8	3.6	3.6	3.6	3.9	3.7	2.8	3.9	3.5	4.0	4.0	3.8
Food wastes.....	14.6	13.1	11.5	11.6	11.0	10.6	10.0	9.6	9.2	8.9	8.6	8.6	8.1
Yard wastes.....	20.3	19.2	19.0	19.5	18.3	18.2	17.7	17.7	18.2	18.2	18.7	18.1	17.9
Other wastes.....	1.7	1.7	1.7	1.9	1.8	1.8	1.8	1.8	1.9	1.9	2.0	1.9	1.9

NA Not available. <sup>2</sup> Net discards after materials recovery and before energy recovery.Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States, 1960 to 1980, 1986*. Prepared for the U.S. Environmental Protection Agency.

**NO. 335. POPULATION SERVED BY SEWER SYSTEMS, BY DEGREE OF TREATMENT: 1960 TO 1986**

[In millions, except percent. 1960 and 1970 not strictly comparable with later years. Includes Puerto Rico and outlying areas]

ITEM	1960	1970	1980	1986	ITEM	1960	1970	1980	1986
U.S. population.....	180	204	227	230	Degree of treatment:				
Not served by sewers.....	70	59	68	68	Less than secondary.....	36	(NA)	{ 37 4	26 6
Percent of population.....	39	29	30	27	No discharge.....				
Served by sewers.....	110	145	159	172	Secondary.....	4	(NA)	{ 63 48 16	75 55 7
Not treated.....	70	59	2	2	Advanced secondary.....				
Treated.....	40	86	157	170	Tertiary.....				

NA Not available.

Source: 1960 and 1970, U.S. Dept. of Commerce, "Market for Water and Waste Water Treatment Equipment," *Journal, Water Pollution Control Federation*, April 1979; 1980 and 1986, U.S. Environmental Protection Agency, *Needs Survey, Assessment of Needed Publicly Owned Wastewater Treatment Facilities in the United States*, biennial.

**NO. 336. SYNTHETIC ORGANIC PESTICIDES—PRODUCTION AND SALES: 1960 TO 1985**

[Includes a small quantity of soil conditioners]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production, total.....	MM. lb.	648	677	1,034	1,683	1,988	1,416	1,429	1,488	1,430	1,113	1,017	1,188	1,326
Herbicides.....	MM. lb.	102	263	404	788	674	664	657	806	859	623	570	716	788
Insecticides.....	MM. lb.	366	480	480	680	570	605	617	508	448	379	324	350	370
Fungicides.....	MM. lb.	179	124	140	155	143	147	155	156	143	111	123	123	108
Production value <sup>1</sup> .....	MM. dol.	307	577	1,058	2,900	3,116	3,342	3,665	4,289	5,136	4,331	3,993	5,058	5,380
Sales, total.....	MM. lb.	570	764	881	1,317	1,283	1,308	1,388	1,486	1,291	1,147	1,017	1,188	1,326
Sales value.....	MM. dol.	262	497	870	2,358	2,808	3,041	3,631	4,078	4,652	4,432	4,054	4,730	4,437

<sup>1</sup> Manufacturers unit value multiplied by production.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service, *The Pesticide Review*, 1976; and unpublished data. Based on data from U.S. International Trade Commission, *Synthetic Organic Chemicals*, annual.

**NO. 337. PESTICIDE RESIDUES IN HUMAN ADIPOSE TISSUE—CONCENTRATION LEVELS: 1970 TO 1983**

[In parts per million (ppm). Data represent geometric means and are based on a sample of measurements of pesticide residues and associated chemicals found in human tissue collected by medical pathologists from selected sites in the continental 48 states as part of the National Human Adipose Tissue Survey]

PESTICIDE RESIDUES	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Sample size.....	1,368	1,580	1,885	1,082	900	779	682	788	827	795	98	384	407	
DDT.....	7.95	6.06	6.87	5.98	5.15	4.75	4.35	3.14	3.52	3.10	2.82	2.24	1.97	
Dieldrin.....	.16	.22	.18	.17	.14	.12	.09	.09	.09	.08	.10	.08	.08	
Chlordane.....	(NA)	(NA)	.10	.12	.12	.11	.11	.10	.11	.10	.12	.09	.09	
Heptachlor Epoxide.....	.08	.08	.07	.08	.08	.08	.08	.07	.07	.07	.08		.08	
trans-Nonachlor.....	(NA)	(NA)	(NA)	(NA)	(NA)	.08	.13	.10	.12	.12	.14	.11	.18	
beta-Benzene Hexachloride.....	.37	.35	.19	.25	.21	.19	.18	.14	.14	.15	.12	.09	.10	
Hexachlorobenzene.....	(NA)	(NA)	(NA)	(NA)	.03	.04	.04	.04		.04	.04	.04	.08	

NA Not available.

Source: U.S. Environmental Protection Agency, unpublished data from the Office of Toxic Substances.

**NO. 338. THREATENED AND ENDANGERED WILDLIFE AND PLANT SPECIES—NUMBER: 1987**

[As of March 31. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range. Threatened species: One likely to become endangered in the foreseeable future]

ITEM	Mammals	Birds	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Plants
Endangered species, total.....	288	218	74	13	54	4	25	4	8	128
U.S. only.....	28	61	6	5	39	3	23	4	8	119
U.S. and foreign.....	20	18	8	-	4	-	-	-	-	6
Foreign only <sup>1</sup> .....	242	141	60	8	11	1	2	-	-	103
Threatened species, total.....	27	6	27	3	26	6	-	1	6	21
U.S. only.....	5	3	10	3	22	5	-	1	6	15
U.S. and foreign.....	-	2	4	-	6	-	-	-	-	1
Foreign only <sup>1</sup> .....	22	-	13	-	-	-	-	-	-	5

<sup>1</sup> Represents zero. <sup>2</sup> Species outside U.S. and outlying areas as determined by Fish and Wildlife Service.Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, April 1987, Vol. XII, No. 4.

## NO. 338. POLLUTION ABATEMENT AND CONTROL EXPENDITURES, 1975 TO 1985, AND BY MEDIA, 1985

(In millions of dollars, except percent. Excludes agricultural production of crops and livestock except feedlots)

TYPE	1975	1976	1979	1980	1981	1982	1983	1984	1985, prel			
									Total <sup>1</sup>	Air	Water	Solid waste
CURRENT DOLLARS												
Total expenditures .....	30,177	42,706	48,736	53,539	57,470	57,660	61,779	66,908	73,824	33,177	26,121	12,866
Percent Government .....	28.9	26.1	26.8	25.3	22.1	21.8	20.7	20.7	21.0	3.0	33.9	33.5
Pollution abatement .....	26,420	40,109	45,692	50,481	54,343	54,500	58,080	65,210	70,140	31,191	27,304	12,853
Personal consumption .....	3,243	4,767	5,426	6,589	8,152	8,318	8,771	10,814	11,866	11,866	-	-
Business .....	17,802	24,622	29,066	32,283	35,545	35,610	37,589	42,126	44,840	16,857	16,398	6,806
Government .....	7,576	10,399	11,377	11,620	10,647	10,571	10,700	12,269	13,613	448	6,906	4,046
Federal .....	432	472	548	494	506	550	795	944	1,114	110	639	230
State and local .....	1,752	2,212	2,461	2,778	3,053	3,274	3,547	3,682	4,305	10	403	3,816
Govt enterprise fixed capital .....	5,392	7,716	8,368	8,347	7,068	6,747	6,358	7,443	8,194	328	7,866	-
Regulation and monitoring .....	663	949	1,067	1,206	1,376	1,397	1,365	1,582	1,314	355	524	220
Research and development .....	1,104	1,847	1,777	1,751	1,749	1,783	2,385	2,337	2,370	1,631	293	103
CONSTANT (1982) DOLLARS												
Total expenditures .....	53,513	62,077	63,312	62,046	60,317	57,680	60,007	64,700	67,278	31,296	26,144	11,349
Pollution abatement .....	50,408	58,344	59,537	58,421	56,952	54,500	56,453	61,313	64,012	29,522	24,431	11,081
Personal consumption .....	5,901	7,370	7,065	7,184	8,200	8,318	8,731	10,610	11,380	11,380	-	-
Business .....	31,502	36,831	38,348	37,685	37,543	35,610	36,533	39,441	40,773	17,722	16,707	7,542
Government .....	13,005	14,342	14,106	13,372	11,209	10,571	10,186	11,261	11,859	420	7,724	3,510
Regulation and monitoring .....	1,103	1,325	1,364	1,533	1,480	1,397	1,315	1,231	1,134	306	451	196
Research and development .....	2,002	2,409	2,381	2,092	1,884	1,783	2,239	2,157	2,134	1,470	263	92

- Represents zero. <sup>1</sup> Includes "other and unallocated" expenditures (such as for noise, radiation, and pesticide pollution and business expenditures not assigned to media) which may be either positive or negative; therefore, data may not add.

## NO. 340. AIR AND WATER POLLUTION ABATEMENT EXPENDITURES IN CONSTANT (1982) DOLLARS: 1975 TO 1985

(In millions of dollars. See headnote, table 338)

YEAR	AIR							WATER				
	Total	Mobile sources <sup>1</sup>			Stationary sources		Total <sup>4</sup>	Industrial		Public sewer systems <sup>2</sup>		
		Total	Cars	Trucks	Total <sup>3</sup>	Industrial		Facilities	Operations <sup>5</sup>	Facilities	Operations <sup>6</sup>	
						Facilities						Operations <sup>5</sup>
1975	20,766	9,324	7,419	1,904	11,444	6,666	4,346	22,840	4,200	2,950	6,997	3,426
1976	21,692	10,129	7,910	2,219	11,563	6,113	4,907	24,445	4,625	3,375	9,370	3,713
1977	22,755	11,047	8,527	2,520	11,706	5,767	5,371	24,652	4,415	3,706	9,409	4,056
1978	23,774	11,677	8,926	2,949	11,900	5,652	5,711	26,631	4,277	3,934	10,060	4,392
1979	24,462	11,757	8,469	3,288	12,706	5,969	6,108	26,470	4,013	4,222	9,756	4,593
1980	24,744	11,764	8,618	2,946	12,980	5,946	6,304	24,647	3,725	4,061	8,942	4,694
1981	25,850	13,401	10,564	2,837	12,446	5,446	6,299	21,964	3,269	4,180	6,862	4,880
1982	24,961	13,464	10,530	2,934	11,496	5,066	5,675	21,199	3,060	4,022	6,148	5,156
1983	26,367	15,581	12,274	3,307	10,785	4,104	5,990	21,543	2,811	4,509	5,551	5,475
1984	26,577	17,547	13,480	4,067	11,030	4,115	6,260	23,277	2,900	4,795	6,367	5,649
1985, prel	29,522	18,696	14,220	4,476	10,826	3,929	6,342	24,431	2,941	5,042	6,711	5,946

<sup>1</sup> Excludes expenditures to reduce emissions from sources other than cars and trucks. <sup>2</sup> Includes other expenditures not shown separately. <sup>3</sup> Operation of facilities. <sup>4</sup> Includes nonpoint sources not shown separately. <sup>5</sup> Includes expenditures for private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

## NO. 341. FEDERAL GRANTS-IN-AID TO STATE AND LOCAL GOVERNMENTS FOR POLLUTION ABATEMENT AND CONTROL: 1973 TO 1984

(In millions of dollars)

ACTIVITY	1973	1975	1979	1977	1978	1979	1980	1981	1982	1983	1984
<b>CURRENT DOLLARS</b>											
Pollution abatement and control	1,056.9	2,699.6	3,385.9	4,080.5	4,149.9	5,068.7	5,239.9	4,996.9	4,421.1	4,391.1	5,513.4
Pollution abatement	915.9	2,720.6	3,189.1	3,814.8	3,878.8	4,797.2	4,826.9	4,582.3	4,128.2	4,086.3	5,179.1
Regulation and monitoring	76.2	101.6	151.4	194.3	214.2	230.9	249.1	276.6	266.6	250.4	302.1
Research and development	64.8	47.2	45.4	51.3	56.8	70.6	63.9	26.0	26.3	35.4	32.2
<b>CONSTANT (1982) DOLLARS<sup>1</sup></b>											
Pollution abatement and control	2,105.0	4,932.5	5,451.7	6,066.6	5,664.2	6,241.3	5,948.5	5,138.4	4,421.1	4,169.4	5,036.6
Pollution abatement	1,819.2	4,676.6	5,138.5	5,730.7	5,284.7	5,847.9	5,577.5	4,811.3	4,128.2	3,891.6	4,745.9
Regulation and monitoring	157.1	175.7	242.9	291.2	300.0	302.7	297.1	297.1	266.6	244.0	284.1
Research and development	128.7	60.1	72.3	76.7	79.4	90.8	73.8	30.0	26.3	33.8	26.6

<sup>1</sup> Estimates are derived using measures of price change of goods and services purchased by State and local governments for pollution abatement and control.

Source of tables 338-341: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987.



## NO. 342. NEW CAPITAL BUSINESS EXPENDITURES FOR POLLUTION ABATEMENT: 1975 TO 1986

SIC <sup>1</sup>	SELECTED INDUSTRY	POLLUTION ABATEMENT EXPENDITURES (bil. dol.)									PERCENT OF TOTAL CAPITAL OUTLAYS BY BUSINESS <sup>2</sup>		
		1975	1980	1983	1984	1986				1986 <sup>3</sup> planned	1975	1980	1986 <sup>1</sup>
						Total	Air	Water	Solid waste				
(x)	Nonfarm business, total	8.81	9.19	7.82	8.44	8.81	6.14	3.28	1.19	8.71	4.2	2.9	2.9
(x)	Manufacturing <sup>4</sup>	4.88	5.35	4.26	4.63	5.13	2.39	2.13	.80	5.37	6.7	4.8	3.5
20	Food, incl. beverage	.30	.26	.24	.26	.25	.08	.14	.03	.26	6.6	3.2	2.4
26	Paper	.47	.48	.37	.54	.58	.32	.17	.10	.56	16.0	7.1	8.3
28	Chemicals	.78	.69	.61	.56	.74	.32	.32	.11	.97	10.7	5.9	5.6
29	Petroleum	1.21	1.54	1.46	1.28	1.26	.50	.80	.14	1.37	13.3	7.9	5.6
33	Primary metals	.92	.94	.62	.68	.69	.52	.31	.06	.81	16.9	13.9	10.5
35	Machinery, except electrical	.09	.12	.13	.19	.15	.03	.08	.03	.18	1.9	1.1	1.2
36	Electrical machinery	.09	.22	.25	.16	.18	.06	.10	.02	.14	2.9	2.3	1.8
37	Transportation equipment	.15	.48	.26	.36	.55	.25	.23	.06	.49	2.7	3.2	2.6
49	Public utilities	1.56	3.05	3.04	3.25	2.67	1.57	.91	.38	2.70	7.7	6.1	5.6

X Not applicable. <sup>1</sup> Standard Industrial Classification, see text, section 13. <sup>2</sup> Expenditures planned as of January and February 1986. <sup>3</sup> Based on outlays reported in source; see also table 853. <sup>4</sup> Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, February 1987 and unpublished data.

## NO. 343. POLLUTION ABATEMENT CAPITAL EXPENDITURES AND OPERATING COSTS OF MANUFACTURING ESTABLISHMENTS, 1980 TO 1985, AND BY SELECTED INDUSTRY GROUP, 1985

[In millions of dollars. Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments and establishments with less than 20 employees. Data will not agree with those shown in table 342; see source for details.]

YEAR AND INDUSTRY GROUP	POLLUTION ABATEMENT CAPITAL EXPENDITURES					POLLUTION ABATEMENT GROSS OPERATING COSTS <sup>1</sup>				
	Total	Air	Water	Solid waste		Total	Air	Water	Solid waste	
				Hazardous	Non-hazardous				Hazardous	Non-hazardous
1980	3,502.9	2,105.5	1,146.5	251.0		6,141.8	3,297.8	5,193.1	1,990.8	
1981	3,484.9	2,193.8	1,026.4	283.1		9,108.9	3,897.8	3,554.3	1,855.7	
1982	3,024.1	1,826.2	977.0	218.5		6,565.0	3,455.9	3,488.5	1,618.9	
1983	2,045.0	1,029.0	619.0	60.8	136.0	9,925.1	3,806.9	3,943.2	573.5	1,801.8
1984	2,171.6	1,037.8	867.8	89.7	158.7	9,886.1	4,169.3	4,298.4	770.3	1,888.1
All industries, 1985 <sup>2</sup>	2,988.7	1,292.3	1,017.8	326.2	172.9	1,877.9	4,330.2	4,698.6	943.0	1,795.3
Food	155.1	88.0	77.4	2.4	9.3	832.1	108.3	525.2	6.8	181.8
Lumber and wood	34.5	15.2	6.3	2.2	10.7	139.1	41.8	35.3	9.5	82.8
Paper	332.4	190.9	108.0	4.0	31.5	1,120.8	313.0	573.4	19.5	215.9
Chemicals	738.1	194.0	271.5	233.2	36.3	2,540.0	672.9	1,297.7	293.8	305.9
Petroleum	290.4	175.0	68.4	20.3	6.6	2,083.4	1,278.5	588.4	118.1	82.4
Stone, clay, glass	61.9	44.4	9.9	1.1	6.4	393.2	217.2	68.8	18.3	69.9
Primary metal	252.9	142.9	64.3	13.4	12.2	1,863.0	1,067.0	517.4	110.8	189.1
Fabricated metals	116.9	40.4	59.7	9.5	7.2	406.1	79.4	163.2	57.2	168.4
Machinery exc. electrical	69.0	21.2	35.1	5.0	7.7	343.6	76.0	119.9	61.8	85.3
Electrical machinery	137.7	45.4	74.1	13.1	5.1	426.2	76.0	175.9	75.6	188.4
Transportation equipment	456.5	254.5	165.1	14.2	22.7	738.8	194.5	283.9	98.4	191.9

<sup>1</sup> Includes payments to governmental units. <sup>2</sup> Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-200, annual.

## NO. 344. TORNADOES, FLOODS, AND TROPICAL CYCLONES: 1956 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series J 268-278]

ITEM	1956-1965	1966-1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Tornadoes, number <sup>1</sup>	6,572	8,030	636	852	788	852	866	783	1,046	931	907	
Lives lost, total	924	1,172	44	43	53	84	28	24	64	34	122	
Most in a single tornado	44	58	5	22	16	42	6	5	10	3	18	
Property loss of \$500,000 and over	191	428	48	48	59	73	92	55	92	95	125	
Floods, lives lost	557	1,528	187	212	125	103	97	90	156	200	128	
Property loss (mil. dol.)	2,721	10,225	1,000	1,393	1,000	4,000	1,500	1,000	3,600	4,100	4,000	
North Atlantic tropical cyclones and hurricanes <sup>2</sup>												
Number reaching U.S. coast	33	25	2	1	2	5	2	2	1	2	2	
Hurricanes only	14	19	1	1	-	3	1	-	-	1	1	
Lives lost in U.S.	692	504	9	-	35	11	2	-	-	22	4	

- Represents zero. <sup>1</sup> A violent, rotating column of air descending from a cumulonimbus cloud in the form of a tall funnel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles per hour. Also known as a "twister" or "waterspout." <sup>2</sup> Tropical cyclones have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, 1956-1980, *Climatological Data: National Summary*, monthly and annual summary; thereafter, *Storm Data*, monthly.

## NO. 348. NORMAL DAILY MEAN TEMPERATURE—SELECTED CITIES

in Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 110-136 and J 164-267, for related data.

STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Mobile	50.6	53.6	60.1	68.0	74.9	80.5	82.2	81.6	76.2	68.5	58.6	53.1	67.5
Juneau	21.6	27.6	31.2	39.1	46.5	52.7	55.7	54.6	49.2	41.8	32.7	26.8	40.0
Phoenix	52.3	56.1	60.6	68.0	77.0	86.5	92.3	89.9	84.6	73.4	60.6	53.3	71.2
Little Rock	39.9	44.1	52.2	62.4	70.5	76.5	82.1	81.0	74.3	63.1	51.2	43.2	61.9
Los Angeles	56.0	57.1	57.4	59.5	62.4	65.6	69.0	70.3	69.5	66.3	61.2	57.0	62.6
Sacramento	45.3	50.3	53.2	58.2	64.9	71.2	75.6	74.7	71.7	63.9	53.0	45.6	60.6
San Francisco	48.5	51.6	52.6	54.8	57.8	60.8	62.2	63.0	69.9	60.6	54.5	49.2	56.6
Denver	29.5	33.6	38.0	47.4	57.2	67.0	73.3	71.4	62.6	51.9	38.7	32.8	50.3
Hartford	25.2	27.6	36.6	46.6	56.4	66.6	73.4	71.3	63.3	52.4	41.6	29.1	49.6
Wilmington	31.2	33.2	41.6	52.4	62.2	71.2	76.0	74.8	67.9	56.3	45.6	35.5	54.0
Washington	35.2	37.5	45.6	56.7	66.0	74.5	78.9	77.6	71.1	59.3	48.7	38.9	57.6
Jacksonville	53.2	55.1	61.3	67.7	74.1	79.0	81.3	81.0	76.2	69.5	60.8	54.6	68.0
Miami	67.1	67.6	71.7	75.3	78.5	81.0	82.4	82.6	81.6	77.9	72.6	68.5	75.6
Atlanta	41.9	44.9	52.5	61.6	69.3	75.8	78.6	78.2	73.0	62.2	52.0	44.5	61.2
Honolulu	72.6	72.9	74.4	75.7	77.5	79.1	80.1	81.0	80.6	79.5	76.6	74.0	77.0
Boise	29.6	36.1	41.4	48.6	57.4	65.6	74.6	72.0	63.2	51.9	39.7	32.0	51.1
Chicago	21.4	26.0	36.0	48.6	59.1	68.6	73.0	71.9	64.7	53.5	39.6	27.7	49.2
Peoria	21.6	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.6	27.8	50.4
Indianapolis	26.0	29.9	40.0	52.4	62.5	71.6	75.1	73.2	66.6	54.6	41.6	31.5	52.1
Des Moines	16.6	24.5	35.1	50.5	62.1	71.6	76.3	73.9	66.1	54.2	38.6	25.7	49.7
Wichita	29.6	35.1	44.1	56.3	65.9	76.1	81.4	78.7	70.6	59.1	44.3	34.4	56.4
Louisville	32.5	35.9	45.1	56.6	65.4	73.7	77.6	76.4	69.9	57.7	46.1	37.2	56.2
New Orleans	52.4	54.7	61.4	66.7	74.9	80.3	82.1	81.7	76.5	69.2	60.0	54.6	68.2
Portland	21.5	23.0	32.1	42.6	52.6	62.2	68.1	66.6	58.6	48.4	36.4	25.6	45.0
Baltimore	32.7	34.7	43.3	54.0	63.4	72.2	76.6	75.6	66.9	56.9	46.3	36.5	55.1
Boston	29.6	30.7	36.4	46.7	56.5	66.0	73.5	71.9	64.6	54.6	45.2	33.7	51.5
Detroit	23.4	25.8	35.0	47.4	58.1	67.7	71.9	70.5	63.3	51.9	39.5	28.5	48.6
Sault Ste. Marie	12.3	14.3	23.9	38.1	49.7	58.4	63.5	62.9	54.6	45.3	32.6	19.7	36.7
Duluth	6.2	12.0	22.9	36.3	50.3	59.4	65.3	63.2	54.0	44.2	28.2	13.8	38.2
Minneapolis-St. Paul	11.2	17.5	29.2	46.0	59.5	68.1	73.1	70.6	60.6	49.6	33.2	18.2	44.7
Jackson	45.7	49.1	56.3	65.1	72.5	79.2	81.9	81.2	76.4	66.0	54.9	48.6	64.6
Kansas City	25.9	32.1	41.5	54.6	64.6	73.6	76.5	76.7	68.4	57.5	43.1	31.9	54.1
St. Louis	26.6	33.6	43.2	56.1	65.6	74.6	78.9	77.0	69.7	57.9	44.6	34.2	56.4
Great Falls	16.7	26.7	31.4	42.7	53.2	61.9	69.3	67.5	57.4	47.9	34.0	25.7	44.7
Omaha	20.2	27.2	37.3	52.2	63.3	73.0	77.7	75.2	65.6	54.5	39.5	27.2	51.1
Reno	32.2	37.4	40.6	46.4	54.6	62.4	69.5	66.9	60.2	50.3	39.7	32.5	49.4
Concord	19.9	22.2	32.1	44.1	55.2	64.7	69.5	67.3	59.1	48.2	37.3	24.5	45.3
Atlantic City	31.8	33.2	41.0	51.0	60.5	69.2	74.4	73.0	66.6	55.5	45.6	35.8	53.1
Albuquerque	34.8	39.4	46.2	55.1	64.3	74.5	76.6	76.1	69.0	57.4	44.0	35.6	56.2
Albany	21.1	23.4	33.6	46.6	57.5	66.7	71.4	69.2	61.2	50.5	39.3	26.5	47.3
Buffalo	23.5	24.5	33.0	45.4	56.1	66.0	70.7	68.9	62.1	51.5	40.3	28.8	47.6
New York	31.6	33.4	41.4	52.4	62.5	71.4	76.7	75.4	68.3	57.7	47.2	36.2	54.5
Charlotte	40.5	42.9	50.4	60.3	68.2	75.0	78.5	77.9	72.0	60.7	50.7	42.6	60.0
Raleigh	39.6	41.6	49.3	59.5	67.2	73.9	77.7	77.0	71.0	59.7	50.0	42.0	59.0
Bismarck	6.7	14.5	26.0	42.5	54.6	64.3	70.4	68.8	57.3	46.1	26.6	15.4	41.3
Cincinnati	28.9	32.1	41.6	53.5	63.0	71.4	75.4	74.1	67.5	55.3	43.4	33.8	53.4
Cleveland	25.5	27.4	36.6	48.1	58.2	67.6	71.6	70.4	64.1	53.2	41.6	31.1	49.6
Columbus	27.1	29.8	40.0	51.4	61.4	70.2	73.6	72.4	66.6	53.9	42.1	32.1	51.7
Okla. City	35.9	40.8	49.1	60.2	69.4	77.0	82.1	81.1	73.3	62.3	48.6	36.9	59.9
Portland	36.9	43.2	45.9	50.4	56.7	62.5	67.7	67.3	62.7	54.3	45.5	40.9	53.0
Philadelphia	31.2	33.1	41.6	52.0	62.6	71.6	76.5	75.3	68.2	56.5	45.6	35.5	54.3
Pittsburgh	26.7	28.8	38.5	50.1	59.7	68.1	72.0	70.6	64.1	52.5	41.6	31.4	50.3
Providence	26.2	29.3	37.4	47.9	57.6	66.8	72.5	71.1	63.5	53.2	43.4	32.3	50.3
Columbus	44.7	47.1	54.5	63.6	71.5	77.7	81.0	80.2	74.6	63.4	53.9	46.7	63.3
Sioux Falls	12.4	19.1	30.4	46.3	58.2	68.4	74.0	71.6	61.0	49.4	33.0	19.7	45.3
Memphis	36.6	43.5	51.7	62.6	71.0	78.7	82.1	80.6	74.2	62.9	51.3	43.3	61.6
Nashville	37.1	40.4	49.0	59.6	68.1	75.6	79.4	78.4	72.3	60.2	48.6	40.9	59.2
Dallas-Fort Worth	44.0	48.5	56.1	65.9	73.7	82.0	86.3	85.5	78.6	67.9	55.6	47.6	66.0
El Paso	44.2	48.4	55.1	63.6	71.9	80.8	82.5	80.3	74.1	63.6	51.4	44.4	63.4
Houston	51.4	54.5	61.0	68.7	74.9	80.6	83.1	82.6	76.4	66.7	56.1	54.0	68.3
Salt Lake City	28.6	34.1	40.7	49.2	58.8	68.3	77.5	74.9	66.0	53.0	39.7	30.3	51.7
Burlington	16.6	18.1	29.2	42.7	55.2	64.9	69.6	67.1	58.6	47.9	36.6	22.6	44.1
Norfolk	39.9	41.1	48.5	58.2	66.4	74.3	78.4	77.7	72.2	61.3	51.9	43.5	56.5
Richmond	36.6	39.9	47.2	57.9	66.1	73.5	77.6	76.6	70.2	58.6	48.9	39.9	57.7
Seattle-Tacoma	38.1	42.6	44.2	48.7	55.0	60.2	64.6	64.1	60.0	52.5	44.6	41.0	51.4
Spokane	25.7	32.4	37.6	45.6	54.3	61.7	69.7	68.1	59.4	47.6	34.9	29.0	47.2
Charleston	32.9	35.6	44.6	55.3	63.9	71.0	74.5	73.7	67.6	55.9	45.3	36.9	54.6
Milwaukee	18.7	23.0	32.1	44.6	54.8	64.9	70.5	69.3	61.9	50.9	37.3	25.1	46.1
Cheyenne	26.1	29.3	32.1	41.6	52.2	62.0	69.9	66.6	57.9	47.5	34.6	29.3	45.7
San Juan	76.5	76.6	77.5	78.6	80.3	81.7	82.0	82.2	81.9	81.4	79.6	77.7	79.7

By office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 61, Sept. 1962.

## NO. 346. NORMAL DAILY MAXIMUM TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980)

STATE	STATION	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Ann avl
AL	Mobile	80.8	83.8	70.3	78.3	84.9	90.2	91.2	90.7	87.0	79.4	69.3	63.1	7
AK	Juneau	27.4	33.7	37.4	48.8	54.7	61.1	64.0	62.6	55.9	47.0	37.5	31.5	4
AZ	Phoenix	65.2	69.7	74.5	83.1	92.4	102.3	105.0	102.3	98.2	87.7	74.3	68.4	8
AR	Little Rock	49.8	54.5	63.2	73.8	81.7	89.5	92.7	92.3	85.6	75.8	62.4	53.2	7
CA	Los Angeles	64.8	65.5	65.1	69.7	80.1	72.0	75.3	78.5	78.4	74.0	70.3	68.1	7
	Sacramento	52.6	59.4	64.1	71.0	79.7	87.4	93.3	91.7	87.6	77.7	63.2	53.2	7
	San Francisco	55.5	59.0	60.6	63.0	66.3	69.6	71.0	71.8	73.4	70.0	62.7	56.3	8
CO	Denver	43.1	48.9	51.2	61.0	70.7	81.6	88.0	85.8	77.5	66.8	52.4	46.1	8
CT	Hartford	33.6	36.3	45.5	60.0	71.4	80.1	84.8	82.6	74.8	63.9	50.8	37.3	8
DE	Wilmington	39.2	41.8	50.9	63.0	72.7	81.2	85.8	84.1	77.8	66.1	54.8	43.8	8
DC	Washington	42.9	45.9	55.0	67.1	75.9	84.0	87.9	86.4	80.1	68.9	57.4	46.8	8
FL	Jacksonville	84.6	86.8	73.3	78.7	85.2	88.9	90.7	90.2	86.9	79.7	72.4	66.3	7
	Miami	75.0	75.8	79.3	82.4	85.1	87.3	88.7	89.2	87.8	84.2	79.8	76.2	8
GA	Atlanta	51.2	55.3	63.2	73.2	79.8	85.6	87.9	87.6	82.3	72.9	62.6	54.1	7
HI	Honolulu	79.9	80.4	81.4	82.7	84.8	86.2	87.1	88.3	88.2	86.7	83.9	81.4	8
ID	Boise	37.1	44.3	51.8	60.8	70.8	79.8	80.6	87.3	77.6	64.6	49.0	39.3	8
IL	Chicago	29.2	33.9	44.3	58.8	70.0	79.4	83.3	82.1	75.5	64.1	48.2	35.0	8
	Peoria	29.7	35.2	48.5	61.9	72.5	82.1	86.5	83.4	76.7	64.8	48.5	35.4	8
IN	Indianapolis	34.2	38.5	49.3	63.1	73.4	82.3	85.2	83.7	77.9	66.1	50.8	38.2	8
IA	Des Moines	27.0	33.2	44.2	61.0	72.6	81.8	86.2	84.0	75.7	65.0	47.8	33.7	8
KS	Wichita	39.8	46.1	55.8	68.1	77.1	87.4	92.9	91.5	82.0	71.2	56.1	41.1	8
KY	Louisville	40.8	45.0	54.9	67.5	76.2	84.0	87.8	86.7	80.6	69.2	55.5	41.1	8
LA	New Orleans	81.8	84.8	71.2	78.6	84.5	89.5	90.7	90.2	86.8	79.4	70.1	64.4	7
ME	Portland	31.0	33.1	40.5	52.5	63.4	72.8	78.9	77.5	69.8	58.0	47.1	34.9	8
MD	Baltimore	41.0	43.7	53.1	65.1	74.2	82.9	87.1	85.5	79.1	67.7	55.9	45.1	8
MA	Boston	36.4	37.7	45.0	56.6	67.0	76.8	81.8	79.8	72.3	62.5	51.6	40.3	8
MI	Detroit	30.6	33.5	43.4	57.7	69.4	79.0	83.1	81.5	74.4	62.5	47.6	36.4	8
	Sault Ste. Marie	21.2	23.1	32.3	47.1	61.0	70.1	75.1	73.4	64.2	53.6	39.0	26.6	4
MIN	Duluth	15.5	21.7	31.9	47.6	61.3	70.5	76.4	73.8	63.8	53.0	36.2	21.6	4
	Minneapolis-St. Paul	19.9	26.4	37.5	56.0	69.4	78.5	83.4	80.9	71.0	59.7	41.1	26.7	6
MS	Jackson	56.5	60.9	68.4	77.3	84.1	90.5	92.5	92.1	87.6	78.6	67.5	60.0	7
MO	Kansas City	34.5	41.1	51.3	65.1	74.6	83.3	86.5	86.8	78.6	67.9	52.1	40.1	8
	St. Louis	37.8	43.1	53.4	67.1	78.4	85.2	89.0	87.4	80.7	69.1	54.0	42.8	8
MT	Great Falls	26.2	36.5	41.7	54.0	65.3	74.3	84.2	82.0	70.6	58.5	43.5	34.7	8
NE	Omaha	30.2	37.3	47.7	64.0	74.7	84.2	88.5	86.2	77.5	67.0	50.3	36.9	8
NV	Reno	44.8	51.1	55.8	63.3	72.3	81.8	91.3	88.7	81.4	70.0	55.6	46.2	8
NH	Concord	30.8	33.2	41.9	56.5	66.9	77.7	82.6	80.1	71.9	61.0	47.2	34.4	8
NJ	Atlantic City	40.6	42.4	50.3	61.6	71.0	79.8	84.0	82.5	76.7	66.1	55.4	45.0	8
NM	Albuquerque	47.2	52.9	60.7	70.6	79.9	90.6	92.8	89.4	83.0	71.7	57.2	48.0	7
NY	Albany	30.2	32.7	42.5	57.6	69.5	78.3	83.2	80.7	72.8	61.5	47.8	34.6	8
	Buffalo	30.0	31.4	40.4	54.4	65.9	75.6	80.2	78.2	71.4	60.2	47.0	36.0	8
	New York <sup>1</sup>	38.0	40.1	48.6	61.1	71.5	80.1	85.3	83.7	76.4	66.8	53.6	42.1	8
NC	Charlotte	50.3	53.6	61.6	72.1	79.1	86.2	88.3	87.6	81.7	71.7	61.7	52.6	7
	Raleigh	50.1	52.8	61.0	72.3	79.0	86.2	88.2	87.1	81.8	71.8	61.8	52.7	7
ND	Bismarck	17.5	25.2	36.4	54.2	67.7	76.6	84.4	83.3	71.4	59.3	39.4	25.9	8
OH	Cincinnati	37.3	41.2	51.5	64.5	74.2	82.3	86.8	84.8	78.7	68.7	52.6	41.9	8
	Cleveland	32.5	34.8	44.8	57.9	69.5	78.0	81.7	80.3	74.2	62.7	49.3	37.5	8
	Columbus	34.7	38.1	49.3	62.3	72.6	81.3	84.4	83.0	76.9	65.0	50.7	38.4	8
OK	Oklahoma City	46.6	52.2	61.0	71.7	79.0	87.6	93.5	92.8	84.7	74.3	59.9	50.7	7
OR	Portland	44.3	50.4	54.5	60.2	66.9	72.7	79.5	78.6	74.2	63.9	52.3	46.4	8
PA	Philadelphia	36.6	41.1	50.5	63.2	73.0	81.7	86.1	84.6	77.8	66.5	54.5	43.0	8
	Pittsburgh	34.1	36.8	47.6	60.7	70.8	79.1	82.7	81.1	74.6	62.9	49.8	38.4	8
RI	Providence	36.4	37.7	45.5	57.5	67.6	76.6	81.7	80.3	73.1	63.2	51.9	40.5	8
SC	Columbia	58.2	59.5	67.1	77.0	83.8	89.2	91.9	91.0	85.5	76.5	67.1	58.2	7
SD	Sioux Falls	22.9	29.3	40.1	58.1	70.5	80.3	86.2	83.9	73.5	62.1	43.7	28.3	8
TN	Memphis	48.3	53.0	61.4	72.8	81.0	88.4	91.5	90.3	84.3	74.5	61.4	52.3	7
	Nashville	48.3	50.7	59.6	71.2	81.0	88.7	89.6	88.2	83.2	72.3	58.2	50.4	8
TX	Dallas-Fort Worth	54.0	59.1	67.2	75.8	84.4	93.2	97.8	97.3	89.7	79.5	68.2	58.1	7
	El Paso	57.9	62.7	69.6	78.7	87.1	95.9	95.3	93.0	87.5	76.5	65.7	58.2	7
	Houston	81.9	85.7	72.1	79.0	85.1	90.9	93.6	93.1	86.7	81.9	71.6	65.2	7
UT	Salt Lake City	37.4	43.7	51.5	61.1	72.4	83.3	93.2	90.0	80.0	68.7	50.2	38.9	8
VT	Burlington	25.4	27.3	37.7	52.6	66.4	75.9	80.5	77.6	68.8	57.0	43.8	30.3	8
VA	Norfolk	48.1	49.9	57.5	68.2	75.7	83.2	86.9	85.7	80.2	69.8	60.8	51.9	8
	Richmond	46.7	49.8	58.5	70.6	77.9	84.8	88.4	87.1	81.0	70.5	60.5	50.2	8
WA	Seattle-Tacoma	43.9	48.8	51.1	58.8	64.0	69.2	75.2	73.9	66.7	59.5	50.3	45.8	8
	Spokane	31.3	39.0	48.2	58.7	68.1	74.0	84.0	81.7	72.4	58.3	41.4	34.2	8
WV	Charleston	41.6	45.4	55.4	67.3	78.0	82.5	85.2	84.2	76.7	67.7	55.6	45.9	8
WI	Milwaukee	26.0	30.1	39.2	53.5	64.8	75.0	79.8	78.4	71.2	59.9	44.7	32.0	8
WY	Cheyenne	37.3	40.7	43.6	54.0	64.6	75.4	83.1	80.8	72.1	61.0	48.5	40.4	8
PR	San Juan	82.7	83.2	84.2	86.2	86.7	88.0	87.9	88.2	88.2	87.9	85.7	83.6	4

<sup>1</sup> City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1968

## No. 347. NORMAL DAILY MINIMUM TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980)

STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Mobile	40.9	43.2	49.8	57.7	64.8	70.8	73.2	72.9	69.3	57.5	47.9	42.9	57.6
Jackson	16.1	21.9	25.0	31.3	38.1	44.2	47.4	46.6	42.3	36.5	28.0	22.1	33.3
Phoenix	39.4	42.5	46.7	53.0	61.5	70.6	79.5	77.5	70.9	59.1	46.9	40.2	57.3
Little Rock	29.9	33.6	41.2	50.9	59.2	67.5	71.4	69.6	63.0	50.4	40.0	33.2	50.8
Los Angeles	47.3	48.6	49.7	52.2	55.7	59.1	62.6	64.0	62.5	58.5	52.1	47.8	55.0
Sacramento	37.9	41.2	42.4	45.3	50.1	55.1	57.9	57.6	55.8	50.0	42.8	37.9	47.8
San Francisco	41.5	44.1	44.9	46.8	49.3	52.0	53.3	54.2	54.3	51.2	46.3	42.2	51.9
Denver	15.9	20.2	24.7	33.7	43.6	52.4	58.7	57.0	47.7	36.9	25.1	16.9	38.5
Hartford	18.7	18.8	26.0	37.6	47.3	57.0	61.9	60.0	51.7	40.8	32.5	20.9	39.5
Wilmington	23.2	24.6	32.6	41.8	51.7	61.2	66.3	65.4	58.0	45.9	36.4	27.3	44.5
Washington	27.5	29.0	36.8	46.2	56.1	65.0	69.9	68.7	62.0	49.7	39.9	31.2	48.5
Jacksonville	41.7	43.3	49.3	55.7	63.0	69.1	71.8	71.8	69.4	59.2	49.2	43.2	57.2
Miami	59.2	59.7	64.1	68.2	71.9	74.6	76.2	76.5	75.7	71.6	65.8	60.8	68.7
Atlanta	32.6	34.5	41.7	50.4	58.7	65.9	69.2	68.7	63.6	51.4	41.3	34.6	51.1
Honolulu	65.3	65.3	67.3	68.7	70.2	71.9	73.1	73.6	72.9	72.2	69.2	66.5	69.7
Boise	22.6	27.9	30.8	38.4	44.0	51.8	58.5	56.7	48.7	39.1	30.5	24.6	39.3
Chicago	13.6	18.1	27.6	38.8	48.1	57.7	62.7	61.7	53.9	42.9	31.4	20.3	39.7
Peoria	13.3	18.4	28.1	40.8	50.8	60.2	64.6	62.7	54.5	42.9	30.9	20.2	38.8
Indianapolis	17.8	21.1	30.7	41.7	51.5	60.9	64.9	62.7	55.3	43.4	32.8	23.7	42.2
Des Moines	10.1	15.6	26.0	39.9	51.6	61.4	66.3	63.7	54.4	43.3	29.5	17.8	40.0
Wichita	19.4	24.1	32.4	44.5	54.6	64.7	69.8	67.9	59.2	46.9	33.5	24.2	45.1
Louisville	24.1	26.6	35.2	45.6	54.6	63.3	67.5	66.1	59.1	46.2	36.8	26.9	46.2
New Orleans	43.0	44.6	51.6	58.8	65.3	70.9	73.5	73.1	70.1	59.0	49.9	44.8	58.7
Portland	11.9	12.9	23.7	33.0	42.1	51.4	57.3	55.6	47.7	37.9	29.8	16.7	35.0
Baltimore	24.3	25.7	33.4	42.9	52.5	61.5	66.5	66.7	58.6	46.1	36.8	27.9	45.1
Boston	22.6	23.7	31.6	40.8	50.0	59.3	65.1	63.9	56.9	47.1	36.7	27.1	43.8
Detroit	16.1	18.0	26.5	36.9	46.7	56.3	60.7	59.4	52.2	41.2	31.4	21.6	38.9
South St. Marie	5.4	5.3	15.4	29.0	38.8	46.7	51.9	52.4	45.3	36.9	26.4	12.7	30.5
Duluth	2.9	2.2	13.9	26.9	39.3	48.2	54.3	52.6	44.3	35.4	21.2	5.8	28.6
Minneapolis-St. Paul	2.4	8.5	20.8	36.0	47.6	57.7	62.7	60.3	50.2	39.4	25.3	11.7	35.2
Jackson	34.9	37.2	44.2	52.9	60.8	67.9	71.3	70.2	65.1	51.4	42.3	37.1	52.9
Kansas City	17.2	23.0	31.7	44.4	54.6	63.8	68.5	66.5	58.1	47.0	34.0	23.7	44.4
St. Louis	19.9	24.5	33.0	45.1	54.7	64.3	68.8	66.6	58.6	46.7	35.1	25.7	45.3
Great Falls	8.2	16.8	21.1	31.3	41.1	49.4	54.4	53.0	44.2	36.2	24.5	16.8	33.2
Omaha	10.2	17.1	26.9	40.3	51.6	61.7	66.8	64.2	54.0	42.0	28.6	17.4	40.1
Reno	19.5	23.5	25.4	29.4	36.9	43.0	47.7	45.2	36.9	30.5	23.8	18.9	31.8
Concord	8.0	11.0	22.2	31.6	41.4	51.6	56.4	54.5	46.2	35.5	27.3	14.5	33.4
Atlantic City	22.9	23.9	31.6	40.4	49.9	58.8	64.8	63.5	56.4	44.9	35.8	26.6	43.3
Albuquerque	22.3	25.8	31.7	39.5	48.6	56.4	64.7	62.8	54.9	43.1	30.7	23.2	42.1
Albany	11.9	14.0	24.6	35.5	45.4	55.0	59.6	57.6	49.6	38.4	30.8	18.2	36.8
Buffalo	17.0	17.5	25.6	36.3	46.3	56.4	61.2	59.6	52.7	42.7	33.6	22.5	39.3
New York	25.6	26.6	34.1	43.8	53.3	62.7	68.2	67.1	60.1	49.9	40.8	30.3	48.9
Charlotte	30.7	32.1	39.1	48.4	57.2	64.7	68.7	66.2	62.3	49.6	39.7	32.6	49.4
Raleigh	29.1	30.3	37.7	46.5	55.3	62.6	67.1	66.6	60.4	47.7	38.1	31.2	47.7
Bismarck	-4.2	3.7	15.6	30.8	42.0	51.8	56.4	54.2	43.2	32.8	17.7	4.8	29.1
Cincinnati	20.4	23.0	32.0	42.4	51.7	60.5	64.9	63.3	56.3	43.9	34.1	25.7	43.2
Cleveland	18.5	19.9	26.4	36.3	47.9	57.2	61.4	60.5	54.0	43.6	34.3	24.6	40.7
Columbus	19.4	21.5	30.6	40.5	50.2	59.0	63.2	61.7	54.6	42.8	33.5	24.7	41.8
Oklahoma City	25.2	29.4	37.1	46.6	57.7	66.3	70.6	69.4	61.9	50.2	37.6	29.1	48.6
Portland	33.5	36.0	37.4	40.6	46.4	52.2	55.8	55.6	51.1	44.6	36.6	35.4	44.0
Philadelphia	23.6	25.0	33.1	42.8	52.5	61.5	66.6	64.6	56.6	46.5	37.1	26.0	45.1
Pittsburgh	19.2	20.7	29.4	39.4	48.5	57.1	61.3	60.1	53.3	42.1	33.3	24.3	40.7
Providence	20.0	20.9	29.2	38.3	47.6	57.0	63.3	61.9	53.6	43.1	34.8	24.1	41.2
Columbia	33.2	34.6	41.9	50.5	59.1	66.1	70.1	69.4	63.9	50.3	40.6	34.7	51.2
Spokane	1.9	8.9	20.6	34.6	45.7	56.3	61.8	59.7	48.5	36.7	22.3	10.1	33.9
Memphis	30.9	34.1	41.9	52.2	60.9	68.9	72.6	70.8	64.1	51.3	41.1	34.3	51.9
Nashville	27.6	30.1	38.3	48.1	56.9	64.8	69.0	67.8	61.3	48.0	36.0	31.3	48.5
Dallas-Fort Worth	33.9	37.8	44.9	55.0	62.8	70.8	74.7	73.7	67.5	56.3	44.9	37.4	55.0
El Paso	30.4	34.1	40.5	48.5	56.6	65.7	69.6	67.5	60.6	48.7	37.0	30.6	49.2
Houston	40.6	43.2	49.6	58.3	64.7	70.2	72.5	72.1	66.1	57.5	48.6	42.7	57.4
Salt Lake City	19.7	24.4	29.9	37.2	45.2	53.3	61.8	59.7	50.0	39.3	29.2	21.6	39.3
Burlington	7.7	8.8	20.8	32.7	44.0	54.0	58.6	56.6	48.7	38.8	29.6	14.9	34.6
Norfolk	31.7	32.3	39.4	48.1	57.2	65.3	69.9	69.6	64.2	52.6	43.0	35.0	50.7
Richmond	26.5	28.1	35.8	45.1	54.2	62.2	67.2	66.4	59.3	46.7	37.3	29.6	46.5
Seattle-Tacoma	34.3	36.6	37.2	40.5	46.0	51.1	54.3	54.3	51.2	45.3	39.3	36.3	43.9
Spokane	20.0	25.7	29.0	34.9	42.5	49.3	55.3	54.3	46.5	36.7	28.5	23.7	37.2
Charleston	23.9	25.6	34.1	43.3	51.8	59.4	63.8	63.1	56.4	44.0	35.0	27.8	44.0
Milwaukee	11.3	15.6	24.6	35.6	44.7	54.7	61.1	60.2	52.5	41.9	29.9	18.2	37.6
Cheyenne	14.8	17.9	20.6	29.6	39.7	49.5	54.6	52.8	43.7	34.0	23.1	16.2	33.1
San Juan	70.3	70.0	70.8	72.3	73.9	75.3	76.1	76.1	75.5	74.9	73.4	71.8	73.4

City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1962.

## NO. 348. HIGHEST TEMPERATURE OF RECORD—SELECTED CITIES

(In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1996)

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann.
AL	Mobile	45	84	82	80	82	100	102	104	102	99	93	87	81	
AK	Juneau <sup>1</sup>	42	57	55	58	71	82	85	90	83	72	51	58	54	
AZ	Phoenix	49	88	89	88	104	113	117	118	118	116	107	93	88	
AR	Little Rock	45	83	84	81	92	98	104	109	108	106	97	86	80	
CA	Los Angeles	51	88	92	93	95	97	104	97	98	110	106	101	94	
	Sacramento	38	70	75	85	92	105	115	114	108	108	101	87	72	
	San Francisco	59	72	75	85	92	97	108	104	99	103	97	86	75	
CO	Denver	52	73	75	84	85	96	104	104	101	97	88	79	75	
CT	Hartford	32	65	73	87	95	97	100	102	101	99	91	81	74	
DE	Wilmington	39	75	78	85	94	95	98	102	101	100	91	85	74	
DC	Washington	45	79	82	89	95	97	101	103	101	101	94	86	75	
FL	Jacksonville	45	85	88	91	95	100	103	105	102	100	95	88	84	
	Miami	44	88	89	92	95	94	98	95	98	95	85	89	87	
GA	Atlanta	38	79	79	85	91	95	101	105	102	98	95	84	77	
HI	Honolulu	17	87	88	89	89	90	91	92	83	93	94	80	89	
ID	Boise	47	63	69	81	92	98	108	111	110	102	91	73	65	
IL	Chicago	28	81	71	86	91	93	98	102	99	99	91	78	71	
	Peoria	47	68	72	85	92	92	100	103	102	100	90	81	71	
IN	Indianapolis	47	71	74	85	89	93	102	104	100	100	90	81	74	
IA	Des Moines	47	62	73	91	93	98	101	105	108	101	95	76	69	
KS	Wichita	34	75	84	89	98	100	110	113	110	105	95	85	83	
KY	Louisville	39	77	77	85	91	95	102	105	101	104	92	84	78	
LA	New Orleans	40	83	85	89	91	95	100	101	102	101	92	87	84	
ME	Portland	48	64	64	80	85	92	97	99	103	95	88	74	69	
MD	Baltimore	38	75	78	87	94	98	100	102	105	100	92	83	77	
MA	Boston	36	63	70	81	94	95	100	102	102	100	90	77	73	
MI	Detroit	27	62	65	77	89	92	99	102	97	95	91	77	68	
	Sault Ste. Marie	48	45	47	75	83	89	93	97	98	95	80	66	60	
MN	Duluth	45	52	55	78	88	90	93	97	97	95	88	70	55	
	Minneapolis-St. Paul	48	48	60	83	95	95	102	104	102	98	89	75	63	
MS	Jackson	23	82	84	89	92	99	103	105	102	104	92	85	84	
MO	Kansas City	14	69	78	82	90	92	105	107	108	98	82	82	70	
	St. Louis	29	79	85	89	92	92	98	107	107	104	94	82	78	
MT	Great Falls	49	62	68	78	89	93	99	105	108	98	91	76	69	
NE	Omaha	50	69	78	89	93	99	105	114	110	104	98	80	72	
NV	Reno	45	70	75	83	88	95	101	104	105	101	91	77	70	
NH	Concord	45	68	68	85	95	97	99	102	101	98	90	80	68	
NJ	Atlantic City	49	78	75	87	94	99	106	104	102	99	90	84	75	
NM	Albuquerque	47	69	75	85	99	98	105	105	101	100	91	77	72	
NY	Albany	40	62	67	88	92	94	99	100	99	100	89	62	71	
	Buffalo	43	72	65	81	88	90	95	94	99	95	87	60	74	
	New York <sup>2</sup>	118	72	75	88	98	99	101	108	104	102	94	84	72	
NC	Charlotte	47	78	81	90	98	100	103	103	103	104	98	85	77	
	Raleigh	42	79	84	92	95	97	104	105	101	104	98	88	78	
ND	Bismarck	47	62	68	81	93	98	100	109	108	105	95	75	66	
OH	Cincinnati	25	69	73	84	89	93	97	101	102	98	88	80	75	
	Cleveland	45	73	89	83	89	92	101	103	102	101	90	82	77	
	Columbus	47	74	73	85	89	94	102	100	101	100	90	80	78	
OK	Oklahoma City	38	80	84	93	100	104	105	109	110	102	95	87	88	
OR	Portland	48	62	70	80	87	100	100	107	107	101	90	73	64	
PA	Philadelphia	45	74	74	87	94	95	100	104	101	100	95	81	72	
	Pittsburgh	34	69	69	82	88	91	95	99	97	97	87	62	74	
RI	Providence	33	65	72	78	88	94	95	100	104	100	88	78	70	
SC	Columbia	39	84	84	91	94	101	107	107	107	101	101	90	83	
SD	Sioux Falls	41	66	70	87	94	100	101	105	108	104	94	76	61	
TN	Memphis	45	78	81	85	91	99	104	108	105	103	95	85	81	
	Nashville	47	78	84	88	90	97	108	107	104	105	94	84	78	
TX	Dallas-Fort Worth	33	86	88	95	95	103	113	110	108	105	102	89	86	
	El Paso	47	80	83	88	98	104	111	112	108	104	98	87	80	
	Houston	17	84	91	90	92	95	103	104	107	102	94	86	83	
UT	Salt Lake City	58	62	69	78	85	93	104	107	104	100	89	75	67	
VT	Burlington	43	63	62	84	91	93	95	99	101	94	85	75	65	
VA	Norfolk	38	76	81	88	97	97	101	103	104	99	95	88	80	
	Richmond	57	80	83	93	96	100	104	105	102	103	99	88	80	
WA	Seattle	42	64	70	72	85	93	95	98	99	94	82	74	63	
	Spokane	39	59	61	71	80	98	100	103	108	95	85	67	58	
WV	Charleston	38	79	79	87	92	93	95	102	100	102	92	85	80	
WI	Milwaukee	48	62	65	82	91	92	99	101	100	98	89	77	69	
WY	Cheyenne	51	66	71	74	82	90	100	100	95	93	83	73	68	
PR	San Juan	32	82	85	95	97	98	97	95	97	97	98	98	91	

<sup>1</sup> For period of record through 1996.<sup>2</sup> City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Comprehensive Climatic Data*, annual.

No. 348. LOWEST TEMPERATURE OF RECORD—SELECTED CITIES

(In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1995)

STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Mobile	45	3	11	21	35	43	48	60	59	42	32	22	9	3
Juneau <sup>1</sup>	42	-22	-22	-15	6	■	31	38	27	23	11	-5	-21	-22
Phoenix	49	17	22	25	32	40	50	61	60	47	34	25	22	17
Little Rock	45	-4	5	11	26	40	46	54	52	37	30	17	-1	-5
Los Angeles	51	23	32	34	39	43	■	49	51	47	41	34	32	23
Sacramento	39	23	26	28	32	36	41	48	49	43	36	26	20	20
San Francisco	59	24	25	30	31	■	41	43	42	39	34	25	20	20
Denver	52	-25	-30	-11	-2	22	30	43	41	17	3	-8	-21	-30
Hartford	32	-26	-21	-6	9	26	37	44	■	30	17	9	-14	-29
Washington	39	-14	-6	2	15	30	41	50	43	39	24	14	-7	-14
Washington	45	-6	4	11	24	34	47	55	49	39	■	16	1	-5
Jacksonville	45	7	19	23	35	45	47	61	63	49	39	21	11	7
Miami	44	30	32	32	45	53	60	69	69	51	39	33	30	30
Atlanta	39	-8	5	10	26	37	■	53	55	36	■	3	0	-8
Honolulu	17	53	53	55	57	60	65	67	67	65	64	58	■	53
Boise	47	-17	-12	8	19	22	31	36	37	23	11	-3	-23	-23
Chicago	28	-27	-17	-8	7	24	36	40	41	28	17	1	-25	-27
Peoria	47	-26	-18	-10	14	25	■	47	41	28	19	-2	-19	-25
Indianapolis	47	-22	-21	-7	16	28	39	44	41	29	17	-2	-17	-22
Des Moines	47	-24	-20	-22	9	30	■	47	40	■	14	-3	-19	-24
Wichita	34	-12	-21	-2	15	31	43	51	48	31	21	1	-10	-21
Louisville	39	-20	-19	-1	22	31	42	50	46	33	23	-1	-9	-20
New Orleans	40	14	19	25	32	41	50	60	60	42	35	24	14	14
Portland	46	-26	-39	-21	8	23	33	40	33	23	15	5	-21	-39
Baltimore	36	-7	3	8	20	32	■	51	45	35	25	13	0	-7
Boston	35	-12	4	6	16	34	45	54	47	39	29	17	-7	-12
Detroit	27	-21	-15	-4	10	25	36	41	39	29	17	9	-10	-21
Sault Ste. Marie	46	-36	-35	-24	-2	18	26	36	29	25	■	-10	-25	-36
Duluth	46	-39	-32	-28	-5	17	27	36	32	22	8	-22	-34	-39
Minneapolis-St. Paul	46	34	-26	-32	2	18	■	43	39	29	15	-17	-29	-34
Jackson	29	2	11	15	30	39	47	51	55	35	30	17	7	2
Kansas City	14	-17	-19	-10	12	30	43	52	43	33	21	1	-21	-21
St. Louis	29	-18	-10	-5	22	31	43	51	47	39	23	1	13	-18
Great Falls	49	-37	-35	-29	-6	15	31	40	35	21	-9	-25	-43	-43
Omaha	50	-23	-21	-16	5	27	36	44	43	25	13	-9	-21	-23
Reno	45	-16	12	2	13	18	25	33	24	20	8	1	-18	-16
Concord	45	-33	37	16	6	21	30	35	29	21	10	1	-22	37
Atlantic City	43	-10	-11	5	12	25	37	46	40	22	23	11	-7	-11
Albuquerque	47	-17	-5	8	19	29	40	52	52	37	25	-7	3	-17
Albany	■	■	-21	-21	10	26	36	■	34	24	16	5	-22	■
Buffalo	43	-16	20	-7	12	26	35	43	36	32	20	9	-10	-20
New York <sup>1</sup>	116	8	15	3	12	32	44	52	50	39	28	5	-13	15
Charlotte	47	-5	5	4	24	32	45	53	53	39	24	11	2	5
Raleigh	42	-9	5	11	23	31	36	46	46	37	19	11	4	-9
Bismarck	47	-44	-39	-31	-12	15	30	35	33	11	5	-30	-43	-44
Cincinnati	25	-25	-11	-11	17	27	39	47	45	33	16	1	-12	25
Cleveland	46	19	15	-5	10	25	31	41	36	32	22	3	-11	19
Columbus	47	19	13	-6	14	25	35	43	39	31	20	5	12	19
Oklahoma City	33	4	-3	3	20	37	47	53	51	37	22	11	-3	-4
Portland	■	-2	-3	19	29	29	39	43	44	34	26	13	6	-3
Philadelphia	■	-7	-4	7	19	28	44	51	45	■	25	15	1	-7
Pittsburgh	34	-18	-12	-1	14	26	34	42	39	31	16	-1	-12	-18
Providence	33	13	7	1	14	29	41	49	40	33	20	14	-10	13
Columbia	39	1	5	4	26	34	44	54	53	40	23	12	4	-1
Sioux Falls	41	-36	-31	-23	5	17	33	38	34	22	9	-17	-26	-36
Memphis	45	-4	-11	12	29	38	48	52	48	36	25	9	-13	-13
Nashville	47	-17	13	2	23	34	42	51	47	36	26	-1	-7	-17
Dallas-Fort Worth	33	4	7	15	30	41	51	59	56	43	29	20	5	4
El Paso	47	-6	8	14	23	31	46	57	56	41	25	1	5	-6
Houston	17	12	20	22	31	44	52	62	62	48	33	19	11	11
Salt Lake City	58	22	30	2	14	25	35	■	37	27	16	-14	-21	30
Burlington	43	-30	-30	-20	2	24	39	39	35	25	15	-2	-26	-30
Norfolk	38	-3	8	18	26	36	45	54	49	45	27	20	7	-3
Richmond	57	-12	-10	11	23	31	40	51	46	35	21	10	-1	-12
Seattle	42	0	1	11	29	29	36	43	44	35	■	6	6	0
Spokane	39	-22	17	3	17	24	39	37	35	24	11	21	25	-23
Charleston	39	-15	-6	0	19	29	33	46	41	34	17	6	-10	-15
Milwaukee	■	-26	-19	-10	12	21	33	40	44	28	18	-5	-20	-26
Cheyenne	51	-29	34	-21	-8	16	25	38	35	8	2	-14	26	-34
San Juan	32	61	62	60	64	66	69	69	70	69	67	66	63	60

period of record through 1995. <sup>1</sup> City office data.

U.S. National Oceanic and Atmospheric Administration, *Compendium Climatic Data*, annual.



## NO. 350. NORMAL MONTHLY AND ANNUAL PRECIPITATION—SELECTED CITIES

[In inches. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 184-287, for related data.]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	4.59	4.91	6.48	5.35	5.46	5.07	7.74	6.75	6.56	2.82	3.67	5.44	54.84
AK	Juneau	3.89	3.74	3.34	2.92	3.41	2.98	4.13	5.02	6.40	7.71	5.15	4.68	53.15
AZ	Phoenix	.73	.59	.81	.27	.14	.17	.74	1.02	.84	.83	.54	.83	7.11
AR	Little Rock	3.91	3.83	4.69	5.41	5.29	3.67	3.63	3.07	4.26	2.84	4.37	4.23	49.29
CA	Los Angeles	3.06	2.49	1.78	.93	.14	.04	.01	.10	.15	.26	1.52	1.62	12.08
	Sacramento	4.03	2.86	2.08	1.31	.33	.11	.05	.07	.27	.66	2.23	2.90	17.10
	San Francisco	4.65	3.23	2.64	1.53	.32	.11	.03	.05	.19	1.06	2.36	3.55	19.71
CO	Denver	.51	.69	1.21	1.81	2.47	1.58	1.93	1.53	1.23	.96	.82	.55	15.31
CT	Hartford	3.53	3.19	4.15	4.02	3.37	3.38	3.08	4.00	3.94	3.51	4.05	4.16	44.39
DE	Wilmington	3.11	2.89	3.87	3.39	3.23	3.51	3.80	4.03	3.59	2.89	3.33	3.54	41.39
DC	Washington	2.76	2.52	3.46	2.93	3.48	3.35	3.88	4.40	3.22	2.90	2.82	3.16	39.00
FL	Jacksonville	3.07	3.46	3.72	3.32	4.91	5.37	6.54	7.15	7.26	3.41	1.94	2.59	52.78
	Miami	2.06	2.05	1.89	3.07	6.53	9.15	5.96	7.02	4.07	7.14	2.71	1.88	57.55
GA	Atlanta	4.91	4.43	5.91	4.43	4.02	3.41	4.73	3.41	3.17	2.53	3.43	4.23	46.61
HI	Honolulu	3.79	2.72	3.46	1.49	1.21	.49	.54	.80	.62	1.66	3.22	3.43	23.47
ID	Boise	1.84	1.07	1.03	1.19	1.21	.95	.26	.40	.58	.75	1.34	1.17	11.71
IL	Chicago	1.89	1.31	2.59	3.66	3.16	4.06	3.63	3.53	3.35	2.26	2.06	2.10	33.34
	Peoria	1.80	1.41	2.86	3.61	3.64	3.69	3.99	3.39	3.63	2.51	1.96	2.01	34.89
IN	Indianapolis	2.85	2.46	3.61	3.68	3.66	3.99	4.32	3.46	2.74	2.51	3.04	3.00	39.12
IA	Des Moines	1.01	1.12	2.20	3.21	3.96	4.18	3.22	4.11	3.09	2.16	1.52	1.05	30.83
KS	Wichita	.88	.85	2.01	2.30	3.91	4.08	3.62	2.80	3.45	2.47	1.47	.99	29.81
KY	Louisville	3.38	3.23	4.73	4.11	4.15	3.80	4.10	3.31	3.35	2.63	3.49	3.48	43.59
LA	New Orleans	4.87	5.23	4.73	4.50	5.07	4.83	6.73	6.02	5.67	2.66	4.06	5.27	59.74
ME	Portland	3.79	3.67	3.96	3.90	3.27	3.06	2.83	2.82	3.27	3.63	4.70	4.51	43.58
MD	Baltimore	3.00	2.86	3.72	3.35	3.44	3.76	3.89	4.62	3.46	3.11	3.11	3.40	41.84
MA	Boston	3.99	3.70	4.13	3.73	3.52	2.92	2.66	3.66	3.41	4.21	4.48	43.81	
MI	Detroit	1.86	1.89	2.54	3.15	2.77	3.43	3.10	3.21	2.25	2.12	2.33	2.52	30.87
	Sault Ste. Marie	2.20	1.69	2.03	2.36	2.90	3.26	3.00	3.46	3.90	2.89	3.20	2.67	33.49
MN	Duluth	1.20	.90	1.78	2.18	3.15	3.96	3.96	4.12	3.26	2.21	1.69	1.29	29.89
	Minneapolis-St. Paul	.82	.85	1.71	2.05	3.20	4.07	3.51	3.64	2.50	1.85	1.29	.87	26.36
MS	Jackson	5.00	4.48	5.86	5.85	4.83	2.94	4.40	3.71	3.55	2.62	4.18	5.40	52.82
MO	Kansas City	1.08	1.19	2.41	3.23	4.42	4.86	4.35	3.57	4.14	3.10	1.63	1.63	35.16
	St. Louis	1.72	2.14	3.28	3.55	3.54	3.73	3.63	2.56	2.70	2.32	2.63	2.22	33.91
MT	Great Falls	1.00	.75	.93	1.49	2.52	2.75	1.10	1.31	1.03	.82	.74	.80	15.34
NE	Omaha	.77	.91	1.91	2.94	4.33	4.08	3.62	4.10	3.50	2.09	1.32	.77	30.34
NV	Reno	1.24	.95	.74	.46	.74	.34	.30	.27	.30	.34	.80	1.21	7.49
NH	Concord	2.78	2.47	2.93	3.01	2.93	2.91	2.93	3.26	3.12	3.10	3.66	3.43	36.53
NJ	Atlantic City	3.47	3.24	4.04	3.20	3.07	2.78	4.02	4.72	2.89	3.06	3.73	3.61	41.85
NM	Albuquerque	.41	.40	.52	.40	.46	.51	1.30	1.51	.85	.86	.38	.52	8.12
NY	Albany	2.39	2.26	3.01	2.94	3.31	3.29	3.00	3.34	3.23	2.83	3.04	3.00	35.74
	Buffalo	3.02	2.40	2.87	3.06	2.89	2.72	2.99	4.16	3.37	2.93	3.62	3.42	37.82
	New York <sup>1</sup>	3.21	3.13	4.22	3.75	3.78	3.23	3.77	4.03	3.86	3.41	4.14	3.81	44.12
NC	Charlotte	3.80	3.81	4.83	3.27	3.64	3.57	3.92	3.75	3.59	2.72	2.86	3.40	43.18
	Raleigh	3.85	3.43	3.89	2.91	3.67	3.88	4.38	4.44	3.29	2.73	2.67	3.14	41.76
ND	Bismarck	.51	.45	.70	1.51	2.23	3.01	2.05	1.98	1.38	.91	.51	.51	15.36
OH	Cincinnati	3.13	2.73	3.95	3.56	3.84	4.09	4.28	2.97	2.91	2.54	3.12	3.00	40.14
	Cleveland	2.47	2.20	2.89	3.32	3.30	3.46	3.37	3.36	2.82	2.45	2.76	2.75	35.40
	Columbus	2.75	2.16	3.23	3.41	3.76	4.01	4.01	3.70	2.76	1.91	2.64	2.61	36.87
OK	Oklahoma City	.96	1.29	2.07	2.91	5.50	3.87	3.04	2.40	3.41	2.71	1.53	1.20	30.89
OR	Portland	6.16	3.93	3.61	2.31	2.08	1.47	.46	1.13	1.61	3.05	5.17	6.41	37.39
PA	Philadelphia	3.18	2.81	3.66	3.47	3.18	3.92	3.66	4.10	3.42	2.83	3.32	3.45	41.42
	Pittsburgh	2.85	2.40	3.58	3.28	3.54	3.30	3.63	3.31	2.80	2.49	2.34	2.57	36.30
RI	Providence	4.05	3.72	4.29	3.95	3.48	2.79	3.01	4.04	3.54	3.75	4.22	4.47	45.32
SC	Columbia	4.39	3.99	5.16	3.59	3.85	4.45	5.35	5.56	4.23	2.55	2.51	3.50	49.12
SD	Sioux Falls	.50	.93	1.56	2.36	3.21	3.70	2.71	3.13	2.78	1.57	.92	.72	24.12
TN	Memphis	4.61	4.33	5.44	5.77	5.06	3.56	4.03	3.74	3.62	2.37	4.17	4.85	61.57
	Nashville	4.49	4.03	5.56	4.47	4.56	3.70	3.62	3.40	3.71	2.58	3.52	4.63	48.49
TX	Dallas-Fort Worth	1.65	1.93	2.42	3.63	4.27	2.59	2.00	1.78	3.31	2.47	1.76	1.67	29.49
	El Paso	.38	.45	.32	.19	.24	.56	1.80	1.21	1.42	.73	.33	.39	7.82
	Houston	3.21	3.25	2.68	4.24	4.89	4.08	3.33	3.66	4.93	3.67	3.38	3.66	44.79
UT	Salt Lake City	1.35	1.30	1.72	2.21	1.47	.87	.72	.92	.89	1.14	1.22	1.37	15.31
VT	Burlington	1.65	1.73	2.20	2.77	2.96	3.64	3.43	3.67	3.20	2.81	2.80	2.43	33.69
VA	Norfolk	3.72	3.28	3.86	2.87	3.75	3.45	5.15	5.33	4.35	3.41	2.86	3.17	45.22
	Richmond	3.23	3.13	3.57	2.90	3.55	3.80	5.14	5.01	3.52	3.74	3.29	3.59	44.07
WA	Seattle-Tacoma	6.04	4.22	3.59	2.40	1.56	1.36	.74	1.27	2.02	3.43	5.60	6.33	39.69
	Spokane	2.47	1.61	1.39	1.08	1.36	1.23	.50	.74	.71	1.06	2.06	2.49	16.71
WV	Charleston	3.46	3.11	4.00	3.52	3.68	3.32	5.36	4.15	3.01	2.63	2.90	3.27	42.49
WI	Milwaukee	1.84	1.33	2.58	3.37	2.86	3.59	3.54	3.09	2.69	2.25	1.98	2.03	30.84
WY	Cheyenne	.41	.40	.97	1.24	2.39	2.00	1.67	1.39	1.06	.89	.53	.37	13.21
PR	San Juan	3.01	2.02	2.31	3.62	5.84	4.86	4.87	5.93	5.99	5.99	5.59	4.46	53.99

<sup>1</sup> City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 61, Sept. 1982.



## AVERAGE NUMBER OF DAYS WITH PRECIPITATION OF .01 INCH OR MORE—SELECTED CITIES

a, except as noted. For period of record through 1985 except as noted. Annual data may not equal the sum of the monthly values due to rounding.

STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Albany	45	11	10	11	7	8	11	18	14	10	8	8	10	122
Albany	42	18	17	18	17	17	16	17	18	20	24	19	21	220
Albany	47	4	4	4	2	1	1	4	5	3	3	2	4	36
Albany	44	10	9	10	10	10	8	8	7	7	7	8	9	104
Albany	51	8	8	8	3	1	(2)	1	(2)	1	2	4	5	36
Albany	47	10	9	8	5	3	1	(2)	(2)	1	3	7	9	58
Albany	58	11	10	10	8	3	1	(2)	1	1	4	7	10	62
Albany	52	8	8	9	9	11	9	9	9	8	5	5	6	88
Albany	32	11	10	11	11	12	11	10	10	9	8	11	12	127
Albany	39	11	10	11	11	11	10	9	9	8	8	10	10	117
Albany	45	10	9	11	10	11	9	10	9	8	7	8	9	112
Albany	45	8	8	8	8	8	12	15	15	13	9	6	8	116
Albany	44	7	6	6	6	10	15	18	17	17	14	8	7	129
Albany	52	11	10	11	9	9	10	12	10	8	8	8	10	115
Albany	37	10	9	9	9	7	8	8	8	7	9	8	10	100
Albany	47	12	11	10	9	8	8	2	3	4	6	10	12	92
Albany	26	11	10	13	13	11	10	10	9	10	9	10	11	127
Albany	47	9	8	11	12	12	10	8	8	9	8	9	10	114
Albany	47	12	10	13	12	12	10	9	9	8	8	10	12	125
Albany	47	7	7	10	11	11	11	9	9	8	8	7	8	107
Albany	33	5	5	8	8	11	9	7	7	8	8	5	6	86
Albany	39	11	11	13	12	12	10	11	9	8	8	10	11	125
Albany	38	10	9	9	7	8	10	15	13	10	8	7	10	114
Albany	46	11	10	11	12	13	11	10	9	8	9	12	12	128
Albany	36	10	9	11	11	11	9	9	10	7	7	8	9	113
Albany	35	12	11	12	11	12	11	9	10	9	9	11	12	127
Albany	27	13	11	13	13	11	10	9	9	10	9	12	14	134
Albany	45	19	15	13	11	11	12	10	11	13	13	17	20	186
Albany	45	12	10	11	11	12	13	11	11	12	10	11	12	135
Albany	48	8	8	10	10	11	12	10	10	10	8	8	9	115
Albany	23	11	9	10	9	9	8	10	10	8	8	8	10	109
Albany	14	8	7	11	11	11	10	8	9	8	8	8	8	107
Albany	29	8	8	11	11	11	10	9	8	8	8	9	9	111
Albany	49	9	8	9	9	11	12	7	8	7	6	7	8	101
Albany	50	8	7	9	10	12	11	8	9	9	7	5	8	98
Albany	44	8	8	6	4	4	3	2	2	2	3	5	6	51
Albany	45	11	10	11	12	12	11	10	10	9	9	11	11	125
Albany	43	11	10	11	11	10	9	9	9	7	7	9	10	112
Albany	47	4	4	5	3	4	4	9	9	8	5	3	4	80
Albany	40	12	11	12	12	13	11	10	10	10	9	12	12	135
Albany	43	20	17	18	14	12	10	10	11	11	11	16	20	189
Albany	117	11	10	11	11	11	10	10	10	8	8	9	10	121
Albany	47	10	10	11	9	10	10	11	10	7	7	8	10	111
Albany	42	10	10	10	9	10	9	11	10	7	7	8	9	111
Albany	47	8	7	8	8	10	12	9	9	7	8	6	8	97
Albany	39	12	11	13	13	12	11	10	9	8	8	11	12	129
Albany	45	15	14	18	14	13	11	10	10	10	11	14	15	156
Albany	47	13	12	14	13	13	11	11	9	8	9	11	13	137
Albany	47	5	5	7	8	10	9	6	6	7	6	5	5	82
Albany	48	18	18	17	14	12	9	4	5	8	13	18	19	153
Albany	46	11	9	11	11	11	10	9	9	8	8	10	10	117
Albany	34	17	14	18	14	12	12	11	10	9	11	13	15	154
Albany	33	11	10	12	11	11	11	9	10	8	8	11	12	125
Albany	39	10	10	10	8	9	9	12	11	7	6	7	9	109
Albany	41	8	8	9	9	10	11	9	9	8	8	6	6	97
Albany	36	10	9	11	10	9	8	9	8	7	8	9	10	106
Albany	45	11	11	12	11	11	9	10	9	8	7	10	11	119
Albany	33	7	8	7	8	9	8	5	5	7	6	6	6	78
Albany	47	4	3	2	2	2	3	8	8	5	4	3	4	48
Albany	17	10	8	10	7	8	8	9	10	10	8	8	9	106
Albany	58	10	9	10	10	8	5	5	6	5	8	8	9	91
Albany	43	14	12	13	12	14	13	12	12	12	12	14	15	154
Albany	38	10	10	11	10	10	9	11	10	8	8	8	9	114
Albany	49	10	9	11	9	11	9	11	10	8	7	8	9	113
Albany	42	19	18	17	14	10	9	5	7	9	13	18	20	157
Albany	39	14	12	11	9	9	8	4	5	8	8	19	15	114
Albany	39	15	14	15	14	13	11	13	11	9	10	12	14	152
Albany	46	11	10	12	12	12	11	10	9	9	9	10	11	125
Albany	51	8	8	9	10	12	11	11	10	7	6	6	5	98
Albany	31	16	13	12	13	17	16	19	18	17	17	18	19	196

in 1/4 day For period of record through 1985. \* For period of record through 1983. City office data.

1. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

## NO. 263. SNOW AND ICE PELLETS

(In inches. Airport data, except as noted. For period of record through 1999. T denotes trace)

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ans.
AL	Mobile	45	1	1	-	-	-	-	-	-	-	-	T	1	
AK	Juneau	42	26.3	19.4	16.6	4.1	1	T	-	-	T	11	11.3	23.0	11
AZ	Phoenix	48	T	-	T	T	-	-	-	-	-	-	-	-	
AR	Little Rock	44	2.3	1.8	6	T	-	-	-	-	-	-	2	8	
CA	Los Angeles	51	T	T	-	-	-	-	-	-	-	-	-	T	
	Sacramento	38	T	1	T	-	-	-	-	-	-	-	-	T	
	San Francisco	59	-	T	T	-	-	-	-	-	-	-	-	-	
CO	Denver	52	7.7	7.4	12.8	9.2	1.6	-	-	-	1.7	3.7	6.3	7.0	
CT	Hartford	81	11.8	12.1	10.2	1.6	-	-	-	-	-	1	1.9	10.9	
DE	Wilmington	39	6.6	6.3	3.5	2	T	-	-	-	-	1	9	3.4	
DC	Washington	43	5.1	5.7	2.2	-	T	-	-	-	-	-	6	2.2	
FL	Jacksonville	45	T	-	-	-	-	-	-	-	-	-	-	T	
	Miami	44	-	-	-	-	-	-	-	-	-	-	-	-	
GA	Atlanta	62	8	8	4	T	-	-	-	-	-	-	-	2	
HI	Honolulu	40	-	-	-	-	-	-	-	-	-	-	-	-	
ID	Boise	47	7.0	3.7	1.8	7	1	T	T	-	-	1	2.3	5.9	
IL	Chicago	28	11.2	8.1	7.2	2.0	1	-	-	-	T	3	21	6.7	
	Peoria	43	6.5	5.2	4.4	1.0	-	-	-	-	-	-	2.2	5.9	
IN	Indianapolis	56	6.2	5.9	3.6	.5	T	-	-	-	-	-	1.9	4.9	
IA	Des Moines	47	6.5	7.2	6.9	2.1	-	-	-	-	T	3	2.9	6.6	
KS	Wichita	33	4.4	4.5	2.5	3	-	-	-	-	-	-	11	3.2	
KY	Louisville	39	5.6	4.6	3.3	2	-	-	-	-	-	T	1.2	2.1	
LA	New Orleans	40	-	1	T	-	-	-	-	-	-	-	T	1	
ME	Portland	48	19.1	17.7	12.9	2.9	2	-	-	-	T	3	3.1	15.2	
MD	Baltimore	38	5.5	7.1	4.1	1	T	-	-	-	-	-	9	3.6	
MA	Boston	51	12.2	11.5	7.6	.9	-	-	-	-	-	-	1.2	7.6	
MI	Detroit	27	10.0	6.5	6.8	1.6	T	-	-	-	-	1	3.4	10.7	
	Sault Ste. Marie	45	28.2	19.3	15.1	5.4	6	T	-	T	1	2.2	14.7	29.6	1
MN	Duluth	43	17.0	11.7	13.9	6.5	6	-	-	T	-	1.2	11.0	15.5	
	Minneapolis-St. Paul	48	10.0	6.4	11.1	3.1	2	-	-	-	-	4	6.6	8.5	
MS	Jackson	23	7	2	2	T	-	-	-	-	-	-	-	-	
MO	Kansas City	52	5.6	4.3	3.8	8	T	-	-	-	-	-	1.0	4.5	
	St. Louis	50	5.3	4.5	4.2	4	T	-	-	-	-	T	1.4	3.6	
MT	Great Falls	48	10.0	6.5	10.0	7.3	1.6	3	T	T	1.5	3.2	7.6	8.8	
NE	Omaha	51	7.7	6.9	6.6	6	1	-	-	-	T	3	2.4	5.7	
NV	Reno	44	5.9	4.7	4.9	1.4	1.0	-	-	-	-	4	2.3	4.3	
NH	Concord	45	17.6	14.9	11.0	2.3	1	-	-	-	-	1	4.1	14.1	
NJ	Atlantic City	42	5.2	6.5	2.8	3	T	-	-	-	-	T	3	2.2	
NM	Albuquerque	47	2.5	2.2	1.9	5	-	-	-	-	T	1	1.1	2.6	
NY	Albany	40	15.5	14.3	11.6	3.0	1	-	-	-	-	1	4.5	15.8	
	Buffalo	43	24.7	17.9	11.5	3.2	1	T	-	-	T	2	12.2	23.2	
	New York	118	7.6	6.7	5.1	9	T	-	-	-	-	-	9	5.6	
NC	Charlotte	47	1.9	1.8	1.4	-	-	-	-	-	-	-	1	.6	
	Raleigh	42	2.4	2.5	1.5	-	-	-	-	-	-	-	1	.8	
ND	Bismarck	47	7.2	6.3	6.4	4.0	9	T	-	-	3	1.3	6.0	6.7	
OH	Cincinnati	38	7.5	5.6	4.3	5	T	-	-	-	-	-	2.3	3.7	
	Cleveland	45	12.5	11.6	9.9	2.2	1	-	-	-	T	7	5.2	11.5	
	Columbus	39	6.6	6.4	4.6	7	T	-	-	-	T	-	5.6	5.6	
OK	Oklahoma City	47	2.6	2.7	1.5	-	-	-	-	-	-	T	5	1.6	
OR	Portland	46	3.7	.8	4	T	-	T	-	-	-	-	5	1.4	
PA	Philadelphia	61	6.4	6.6	3.9	3	T	-	-	-	-	-	6	3.6	
	Pittsburgh	34	12.2	10.1	6.3	1.6	1	-	-	-	-	2	3.6	6.3	
RI	Providence	33	6.6	10.1	7.8	7	2	-	-	-	-	1	7	7.0	
SC	Columbia	36	4	9	3	-	-	-	-	-	-	-	T	.3	
SD	Sioux Falls	41	6.6	6.2	10.1	2.2	-	-	-	-	-	5	6.0	7.5	
TN	Memphis	36	2.5	1.5	1.0	T	-	-	-	-	-	-	1	.7	
	Nashville	45	4.2	3.2	1.5	-	-	-	-	-	-	-	5	1.7	
TX	Dallas-Ft. Worth	33	1.4	1.1	2	-	-	-	-	-	-	-	2	.3	
	El Paso	47	1.3	.8	.4	4	-	-	-	-	-	-	10	1.3	
	Houston	52	2	2	-	-	-	-	-	-	-	-	T	T	
UT	Salt Lake City	56	13.0	9.4	10.1	5.3	7	T	-	-	1	1.3	6.5	12.2	
VT	Burlington	43	16.0	16.6	12.4	3.7	2	-	-	-	T	2	7.0	19.2	
VA	Norfolk	38	3.0	2.7	1.1	-	-	-	-	-	-	-	-	1.0	
	Richmond	48	5.0	4.2	2.7	1	-	-	-	-	-	T	4	2.0	
WA	Seattle	42	6.7	1.5	1.4	1	T	-	T	-	T	-	14	2.7	
	Spokane	39	16.9	7.6	4.2	7	1	T	-	-	-	5	6.3	15.2	
WV	Charleston	39	10.7	9.1	4.7	4	-	-	-	-	-	1	2.3	4.6	
WI	Milwaukee	46	13.1	9.5	9.0	1.6	-	-	-	-	T	1	2.8	10.6	
WY	Cheyenne	51	6.3	5.6	11.9	9.3	3.7	3	-	-	6	3.6	7.0	5.9	
PR	San Juan	31	-	-	-	-	-	-	-	-	-	-	-	-	

- Represents zero. \* City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

### 363. AVERAGE WIND SPEED, MEAN NUMBER OF DAYS MINIMUM TEMPERATURE BELOW 32 DEGREES FAHRENHEIT, AND AVERAGE RELATIVE HUMIDITY—SELECTED CITIES

(Airport data, except as noted. For period of record through 1986. M—morning. A—afternoon)

STATION	AVERAGE PERCENT-AGE OF POSSIBLE SUNSHINE		AVERAGE WIND SPEED (m.p.h.)				MINIMUM TEMPERATURE 32° OR LESS		AVERAGE RELATIVE HUMIDITY (percent)							
			Length of record (yr.)	Annual	Jan.	July			Length of record (yr.)	Mean number (days)	Length of record (yr.)	Annual		Jan.		July
	M	A					M	A				M	A			
Mobile	34	60	36	9.0	10.4	7.0	24	23	24	66	57	60	60	60	60	60
Juneau <sup>1</sup>	33	30	41	8.3	8.3	7.5	42	145	20	64	72	79	75	64	70	
Phoenix	91	65	41	8.3	5.2	7.2	26	8	26	62	23	67	62	45	26	
Little Rock	32	62	44	7.9	8.6	8.8	26	62	26	64	58	60	61	57	56	
Los Angeles	32	73	36	7.5	6.7	7.7	27	(2)	27	79	64	70	60	66	67	
Sacramento	36	77	37	6.1	7.4	9.0	36	16	26	62	46	60	72	76	28	
San Francisco	36	66	69	10.5	7.1	13.5	27	2	27	64	62	66	67	66	56	
Denver	37	70	36	8.6	6.7	6.3	26	156	26	67	40	63	49	66	34	
Hartford	32	57	32	8.5	9.0	7.5	27	136	27	76	52	71	56	76	50	
Wilmington	39	57	36	9.2	10.0	7.8	39	101	39	76	56	75	60	79	54	
Washington	36	57	36	9.3	10.0	8.2	26	71	26	74	53	66	54	76	53	
Jacksonville	35	62	37	8.1	8.3	7.2	45	15	50	66	56	67	57	66	66	
Miami	9	72	37	9.2	9.5	7.9	22	(2)	22	64	61	64	69	65	63	
Atlanta	60	61	46	9.1	10.6	7.5	26	57	26	63	56	78	59	69	61	
Honolulu	33	67	37	11.5	9.7	13.4	17	-	17	72	56	62	62	66	52	
Boise	43	64	47	6.6	6.1	6.4	47	124	47	69	44	60	70	54	22	
Chicago	5	52	26	10.2	11.6	9.1	26	133	26	60	60	76	67	62	57	
Florida	42	58	43	10.1	11.2	7.9	27	129	27	63	62	76	66	66	56	
Indianapolis	41	55	36	9.6	11.0	7.4	27	119	27	64	62	60	70	67	60	
Des Moines	35	59	37	10.9	11.7	9.0	25	135	25	79	60	75	67	61	57	
Wichita	32	65	33	12.3	12.2	11.2	33	112	33	60	56	76	63	77	46	
Louisville	39	56	39	8.3	9.7	6.7	26	91	26	61	59	76	64	65	56	
New Orleans	12	59	36	8.2	9.4	8.1	40	14	36	67	63	64	66	61	66	
Portland	45	57	46	8.7	8.2	7.6	46	156	46	79	60	76	61	60	56	
Baltimore	35	57	36	9.2	9.6	8.0	36	96	33	77	64	71	57	60	53	
Boston	50	56	29	12.4	13.9	10.9	22	96	22	72	56	66	57	73	56	
Detroit	20	53	26	10.2	11.7	8.4	26	137	26	61	60	79	69	62	53	
Sault Ste. Marie	44	47	45	9.3	9.6	7.9	45	161	45	65	67	61	75	69	62	
Duluth	35	52	37	11.2	11.6	9.6	25	164	25	60	63	75	69	64	59	
Minneapolis-St. Paul	47	57	46	10.6	10.5	9.3	27	156	27	76	60	73	66	60	54	
Jackson	21	60	23	7.4	8.6	5.9	23	51	23	51	56	66	65	63	69	
Kansas City	13	61	14	10.7	11.3	9.1	14	110	14	61	60	74	63	63	56	
St. Louis	26	57	37	9.7	10.6	7.9	26	103	26	64	60	63	66	65	66	
Great Falls	41	61	45	12.6	15.2	10.2	25	156	25	66	45	67	61	64	29	
Omaha	46	60	50	10.6	10.9	8.9	22	145	22	61	59	77	65	63	56	
Reno	36	79	44	6.5	5.6	6.9	23	160	23	71	32	76	51	65	19	
Concord	44	54	44	6.7	7.3	5.7	21	174	21	61	54	74	56	64	51	
Atlantic City	25	54	26	10.1	11.3	8.6	22	106	22	61	56	77	56	63	56	
Albuquerque	46	76	47	9.0	8.0	9.1	26	120	26	60	29	71	40	60	27	
Albany	47	52	46	8.9	9.6	7.5	21	150	21	60	56	77	63	61	55	
Buffalo	42	49	47	12.1	14.3	10.4	26	134	26	60	63	79	73	76	56	
New York <sup>2</sup>	100	56	56	9.4	10.7	7.6	73	60	61	72	56	66	60	75	56	
Charlotte	35	65	37	7.5	7.9	6.6	26	70	26	63	64	76	56	67	56	
Raleigh	31	60	37	7.6	8.6	6.6	22	60	22	65	54	76	55	60	59	
Blacksburg	46	59	47	10.3	10.0	9.2	27	166	27	60	57	73	67	63	47	
Cincinnati	66	56	39	9.1	10.7	7.2	24	109	24	61	60	76	66	65	57	
Cleveland	42	49	45	10.7	12.4	8.7	26	124	26	79	62	77	70	61	57	
Columbus	34	49	37	6.7	10.3	6.6	27	119	27	60	59	76	67	64	56	
Oklahoma City	31	67	36	12.5	12.8	10.9	21	60	21	79	54	77	59	79	46	
Portland	36	47	36	7.9	10.0	7.5	46	43	46	66	60	66	76	62	45	
Philadelphia	43	56	46	9.5	10.3	8.0	27	96	27	76	55	72	59	79	54	
Pittsburgh	33	47	34	9.1	10.7	7.3	27	124	26	76	57	75	65	62	53	
Providence	32	56	33	10.6	11.3	9.5	23	119	23	74	54	70	56	77	56	
Columbia	32	65	36	6.6	7.1	6.3	20	63	20	67	62	62	54	66	56	
Sioux Falls	42	62	36	11.1	11.1	9.7	23	167	23	61	60	76	67	62	53	
Memphis	35	64	36	9.0	10.2	7.5	45	56	47	61	57	76	63	64	57	
Nashville	43	56	45	8.0	9.2	6.5	21	77	21	64	56	79	63	60	57	
Dallas-Fort Worth	7	65	33	10.6	11.1	9.5	23	41	23	62	66	79	60	60	46	
El Paso	43	63	44	9.0	8.5	6.4	26	63	26	56	27	65	35	61	29	
Houston	16	56	17	7.8	8.2	6.8	17	22	17	90	60	65	64	62	56	
Salt Lake City	47	66	57	6.6	7.6	6.5	27	125	27	67	43	76	69	52	21	
Burlington	42	49	43	8.5	9.5	7.9	22	157	21	77	60	70	63	79	53	
Norfolk	21	62	36	10.6	11.5	8.9	36	55	36	76	57	74	59	62	59	
Richmond	35	61	36	7.6	8.0	6.7	57	65	52	63	53	60	57	65	56	
Seattle	19	46	36	9.0	9.6	8.3	27	31	27	62	62	60	74	61	49	
Spokane	37	53	39	6.8	6.6	6.4	27	140	27	77	52	65	76	63	26	
Charleston	63 <sup>3</sup>	49	39	6.4	7.6	5.1	39	100	39	62	56	77	63	60	60	
Milwaukee	45	54	46	11.6	12.6	9.6	26	142	26	60	64	75	66	62	61	
Cheyenne	46	65	29	12.9	15.2	10.3	27	172	27	64	44	57	50	66	36	
San Juan	30	64	31	6.5	6.6	6.7	31	-	31	76	65	61	64	76	66	

counts zero. Z Less than one-half a day. <sup>1</sup> Recording site is in Montgomery, AL. <sup>2</sup> For period of record 64. <sup>3</sup> City office data. <sup>4</sup> Recording site is in Petersburg, WV

U.S. National Oceanic and Atmospheric Administration, Comparative Climatic Data, annual.

## NO. 354. NORMAL MONTHLY AND SEASONAL HEATING DEGREE DAYS, 65° BASE—SELECTED CITY

[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see section 6]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
AL	Mobile	499	342	191	43	-	-	-	-	-	50	216	382
AK	Juneau	1,339	1,042	1,048	777	574	369	266	322	474	719	969	1,184
AZ	Phoenix	394	269	187	52	-	-	-	-	-	13	159	398
AR	Little Rock	778	585	417	124	18	-	-	-	8	132	414	676
CA	Los Angeles	286	233	240	180	106	54	17	12	18	55	139	255
	Sacramento	611	412	366	229	83	21	-	-	7	82	360	601
	San Francisco	512	375	378	306	226	139	103	89	80	148	315	490
CO	Denver	1,101	679	837	528	253	74	-	-	135	414	789	1,004
CT	Hartford	1,234	1,047	874	486	197	20	-	9	102	391	702	1,113
DE	Wilmington	1,048	890	719	378	130	6	-	-	36	282	582	916
DC	Washington	924	770	586	257	88	-	-	-	13	197	489	808
FL	Jacksonville	396	302	186	21	-	-	-	-	-	21	184	332
	Miami	78	82	14	-	-	-	-	-	-	-	5	42
GA	Atlanta	716	563	400	133	37	5	-	-	7	130	394	636
HI	Honolulu	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise	1,088	809	732	492	253	83	-	23	134	406	759	1,023
IL	Chicago	1,352	1,082	899	486	224	36	-	9	75	366	756	1,186
	Peoria	1,349	1,070	858	411	176	22	-	5	84	361	758	1,153
IN	Indianapolis	1,209	983	775	382	158	15	-	-	63	330	696	1,039
IA	Des Moines	1,438	1,134	927	435	156	17	-	-	80	357	782	1,218
KS	Wichita	1,097	837	656	275	89	7	-	-	37	219	621	948
KY	Louisville	1,008	815	624	264	86	5	-	-	32	280	567	882
LA	New Orleans	423	316	171	25	-	-	-	-	-	31	186	336
ME	Portland	1,349	1,176	1,020	666	378	107	22	54	201	515	799	1,215
MD	Baltimore	1,001	848	673	334	115	-	-	-	29	261	561	894
MA	Boston	1,097	980	825	489	218	25	-	8	80	329	594	970
MI	Detroit	1,290	1,086	830	528	247	36	5	12	106	414	786	1,132
	Sault Ste. Marie	1,603	1,420	1,274	807	480	210	101	123	306	611	966	1,404
MN	Duluth	1,820	1,484	1,306	801	456	179	71	115	334	645	1,104	1,587
	Minneapolis-St. Paul	1,668	1,330	1,110	570	238	41	12	18	180	488	954	1,480
MS	Jackson	611	482	303	77	9	-	-	-	-	98	316	513
MO	Kansas City	1,212	921	729	314	112	12	-	-	42	258	667	1,026
	St. Louis	1,122	874	678	279	110	12	-	-	40	258	612	965
MT	Great Falls	1,435	1,072	1,042	699	369	141	20	99	266	536	930	1,218
NE	Omaha	1,389	1,058	859	390	130	16	-	-	73	342	785	1,172
NV	Reno	1,017	773	758	558	333	124	18	59	171	456	759	1,006
NH	Concord	1,396	1,188	1,020	627	314	87	20	39	191	521	831	1,269
NJ	Atlantic City	1,029	880	744	420	185	26	-	-	27	296	582	906
NM	Albuquerque	936	717	583	302	81	-	-	-	12	242	630	911
NY	Albany	1,361	1,165	973	552	252	38	7	15	149	450	771	1,184
	Buffalo	1,287	1,134	992	588	294	53	9	25	130	423	741	1,122
	New York	1,029	886	732	378	134	7	-	-	36	240	534	893
NC	Charlotte	780	619	459	155	50	-	-	-	10	186	429	694
	Raleigh	787	655	496	181	53	-	-	-	9	187	450	713
ND	Bismarck	1,807	1,414	1,209	675	324	100	18	57	255	586	1,092	1,538
OH	Cincinnati	1,076	882	682	317	122	8	-	-	39	279	612	933
	Cleveland	1,225	1,053	880	507	244	33	8	11	99	371	696	1,051
	Columbus	1,175	998	775	409	178	19	-	5	78	355	687	1,020
OK	Oklahoma City	902	678	506	184	41	-	-	-	15	145	486	778
OR	Portland	899	610	592	438	263	118	35	51	111	332	585	747
PA	Philadelphia	1,048	893	719	363	127	-	-	-	33	273	578	916
	Pittsburgh	1,187	1,014	822	447	201	26	-	13	101	393	702	1,042
RI	Providence	1,141	1,000	856	513	239	31	-	6	94	366	648	1,014
SC	Columbia	637	508	346	87	22	-	-	-	-	123	339	567
SD	Sioux Falls	1,831	1,285	1,073	561	240	52	14	15	161	489	980	1,404
TN	Memphis	787	602	433	128	25	-	-	-	9	137	415	673
	Nashville	885	689	510	188	55	-	-	-	19	183	492	747
TX	Dallas-Fort Worth	651	489	313	85	-	-	-	-	-	56	300	639
	El Paso	645	465	318	93	-	-	-	-	-	96	406	638
	Houston	442	314	175	32	-	-	-	-	-	36	201	348
UT	Salt Lake City	1,129	865	753	474	220	53	-	-	97	377	759	1,076
VT	Burlington	1,500	1,313	1,110	699	326	84	23	50	202	630	852	1,314
VA	Norfolk	778	669	512	219	53	-	-	-	9	146	393	667
	Richmond	880	731	552	226	85	-	-	-	24	221	483	779
WA	Seattle-Tacoma	803	622	645	489	313	189	78	97	169	388	606	744
	Spokane	1,218	913	849	578	339	140	17	63	209	539	903	1,118
WV	Charleston	895	623	626	298	125	16	-	-	51	301	591	871
WI	Milwaukee	1,435	1,176	1,020	612	334	84	11	25	117	444	831	1,237
WY	Cheyenne	1,206	1,000	1,020	696	397	139	24	37	235	543	906	1,107
PR	San Juan	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero. <sup>1</sup> City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept.

## 355. NORMAL MONTHLY AND SEASONAL COOLING DEGREE DAYS, 65° BASE—SELECTED CITIES

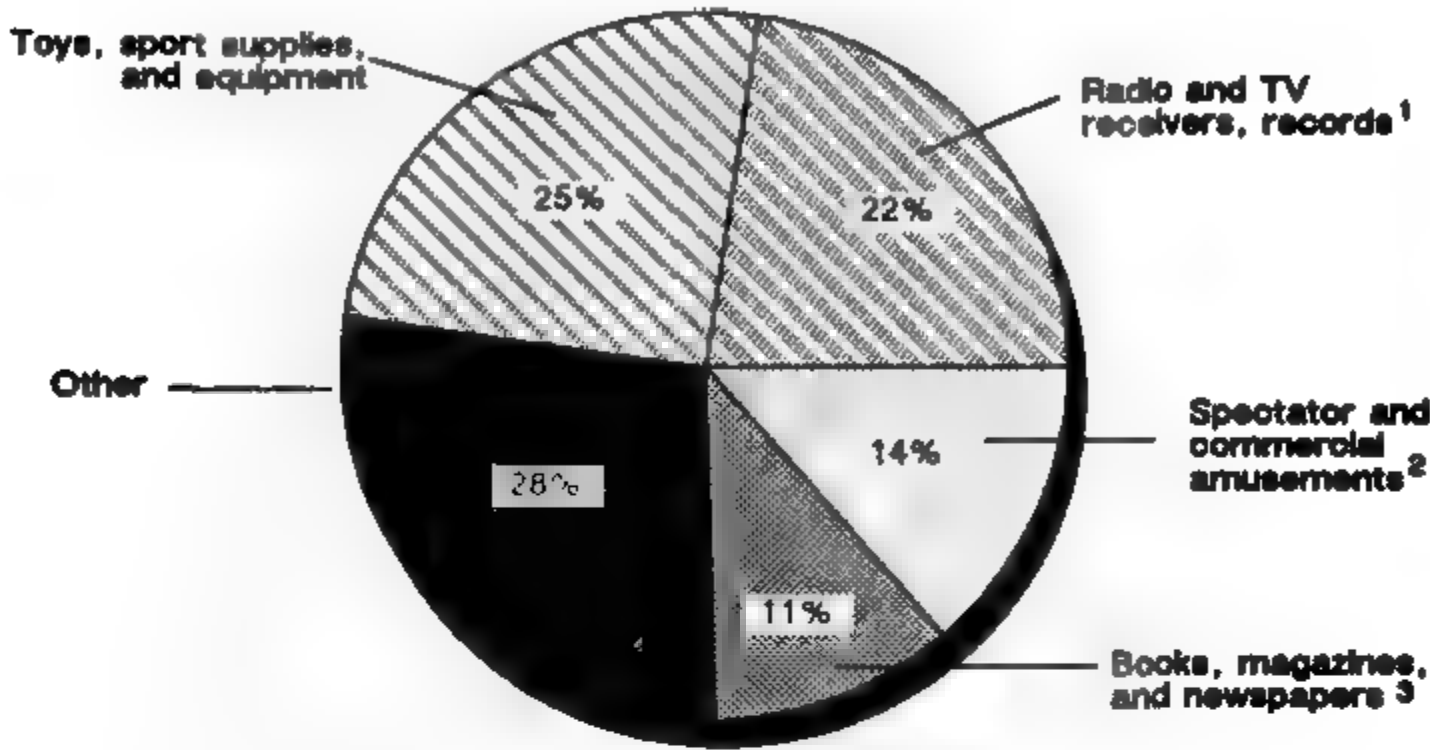
at data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 5]

STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
Mobile	29	23	38	133	307	465	533	521	398	158	28	13	2,843
Juneau	-	-	-	-	-	-	-	-	-	-	-	-	-
Phoenix	-	20	51	142	378	645	846	772	588	273	27	6	3,746
Little Rock	-	-	20	48	188	405	530	498	287	73	-	-	2,048
Los Angeles	7	12	-	15	25	72	141	178	153	95	25	7	728
Sacramento	-	-	-	25	80	207	329	301	208	48	-	-	1,198
San Francisco	-	-	-	-	-	13	16	27	47	12	-	-	115
Denver	-	-	-	-	11	134	261	203	63	8	-	-	680
Hartford	-	-	-	-	24	128	260	203	51	-	-	-	686
Wilmington	-	-	-	-	43	192	341	304	123	12	-	-	1,015
Washington	-	-	-	8	99	285	431	381	195	20	-	-	1,430
Jacksonville	30	25	51	102	262	420	506	498	388	160	38	15	2,520
Miami	141	140	222	309	418	480	530	552	604	400	239	150	4,095
Atlanta	-	-	12	37	170	329	422	409	247	44	-	-	1,670
Honolulu	236	221	291	321	388	423	468	498	488	450	348	279	4,360
Boise	-	-	-	-	17	107	298	240	80	-	-	-	742
Chicago	-	-	-	-	41	148	252	223	66	12	-	-	740
Pecan	-	-	-	-	71	208	314	258	82	17	-	-	948
Indianapolis	-	-	-	-	60	213	313	257	111	14	-	-	988
Des Moines	-	-	-	-	66	215	354	279	83	22	-	-	1,019
Wichita	-	-	8	14	117	340	508	458	206	36	-	-	1,684
Louisville	-	-	7	12	110	285	381	353	179	24	-	-	1,342
New Orleans	32	30	59	138	307	459	530	518	405	181	38	13	2,886
Portland	-	-	-	-	-	23	118	104	9	-	-	-	254
Baltimore	-	-	-	-	65	221	368	329	146	10	-	-	1,139
Boston	-	-	-	-	17	115	268	220	68	13	-	-	689
Detroit	-	-	-	-	33	117	219	183	55	8	-	-	615
Sault Ste. Marie	-	-	-	-	6	12	55	58	-	-	-	-	131
Duluth	-	-	-	-	-	11	60	59	-	-	-	-	160
Minneapolis-St. Paul	-	-	-	-	38	134	263	180	28	11	-	-	662
Jackson	13	17	34	80	241	428	524	502	342	98	13	-	2,290
Kansas City	-	-	-	5	99	270	423	363	144	28	-	-	1,333
St. Louis	-	-	-	12	128	306	431	372	181	38	-	-	1,488
Great Falls	-	-	-	-	-	48	153	144	40	6	-	-	381
Omaha	-	-	-	6	77	258	394	320	97	18	-	-	1,186
Reno	-	-	-	-	11	48	158	117	27	-	-	-	357
Concord	-	-	-	-	10	58	160	111	14	-	-	-	353
Atlantic City	-	-	-	-	26	152	291	248	75	-	-	-	782
Albuquerque	-	-	-	-	58	285	428	344	132	6	-	-	1,254
Albany	-	-	-	-	19	89	208	145	35	-	-	-	484
Buffalo	-	-	-	-	16	83	188	148	43	-	-	-	478
New York <sup>1</sup>	-	-	-	-	58	199	363	322	136	14	-	-	1,089
Charlotte	-	-	7	14	148	304	419	400	220	33	-	-	1,546
Raleigh	-	-	9	16	121	270	394	372	189	23	-	-	1,364
Bismarck	-	-	-	-	10	79	188	174	24	-	-	-	473
Cincinnati	-	-	-	8	101	230	344	310	144	22	-	-	1,159
Cleveland	-	-	-	-	33	111	213	178	72	5	-	-	612
Columbus	-	-	-	-	68	175	273	235	102	11	-	-	862
Oklahoma City	-	-	13	40	147	360	530	498	284	61	-	-	1,914
Portland	-	-	-	-	8	43	119	122	42	-	-	-	332
Philadelphia	-	-	-	-	58	202	357	319	129	9	-	-	1,075
Pittsburgh	-	-	-	-	37	121	222	188	74	5	-	-	645
Providence	-	-	-	-	10	65	235	185	48	-	-	-	574
Columbia	8	6	20	51	223	381	498	471	297	74	6	-	2,033
Sioux Falls	-	-	-	-	29	154	293	226	41	6	-	-	749
Memphis	-	-	20	54	211	411	530	484	285	72	-	-	2,067
Nashville	-	-	14	24	151	328	446	415	238	45	-	-	1,881
Dallas-Fort Worth	-	7	37	112	275	510	680	638	408	148	18	-	2,809
El Paso	-	-	11	51	218	474	543	474	273	52	-	-	2,098
Houston	20	20	51	143	307	468	581	548	402	181	54	8	2,781
Salt Lake City	-	-	-	-	28	152	368	311	97	5	-	-	981
Burlington	-	-	-	-	22	61	165	115	18	-	-	-	379
Norfolk	-	-	-	15	98	282	415	394	225	31	-	-	1,458
Richmond	-	-	-	13	99	258	397	388	180	23	-	-	1,338
Seattle-Tacoma	-	-	-	-	-	25	70	70	19	-	-	-	184
Spokane	-	-	-	-	8	41	162	158	41	-	-	-	411
Charleston	-	-	-	7	91	198	295	270	129	19	-	-	1,007
Minneapolis	-	-	-	-	18	61	182	158	24	7	-	-	470
Cheyenne	-	-	-	-	-	49	145	93	22	-	-	-	308
San Juan	357	325	388	414	474	501	527	533	507	508	438	394	5,366

represents zero. <sup>1</sup> City office data.

U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1982.

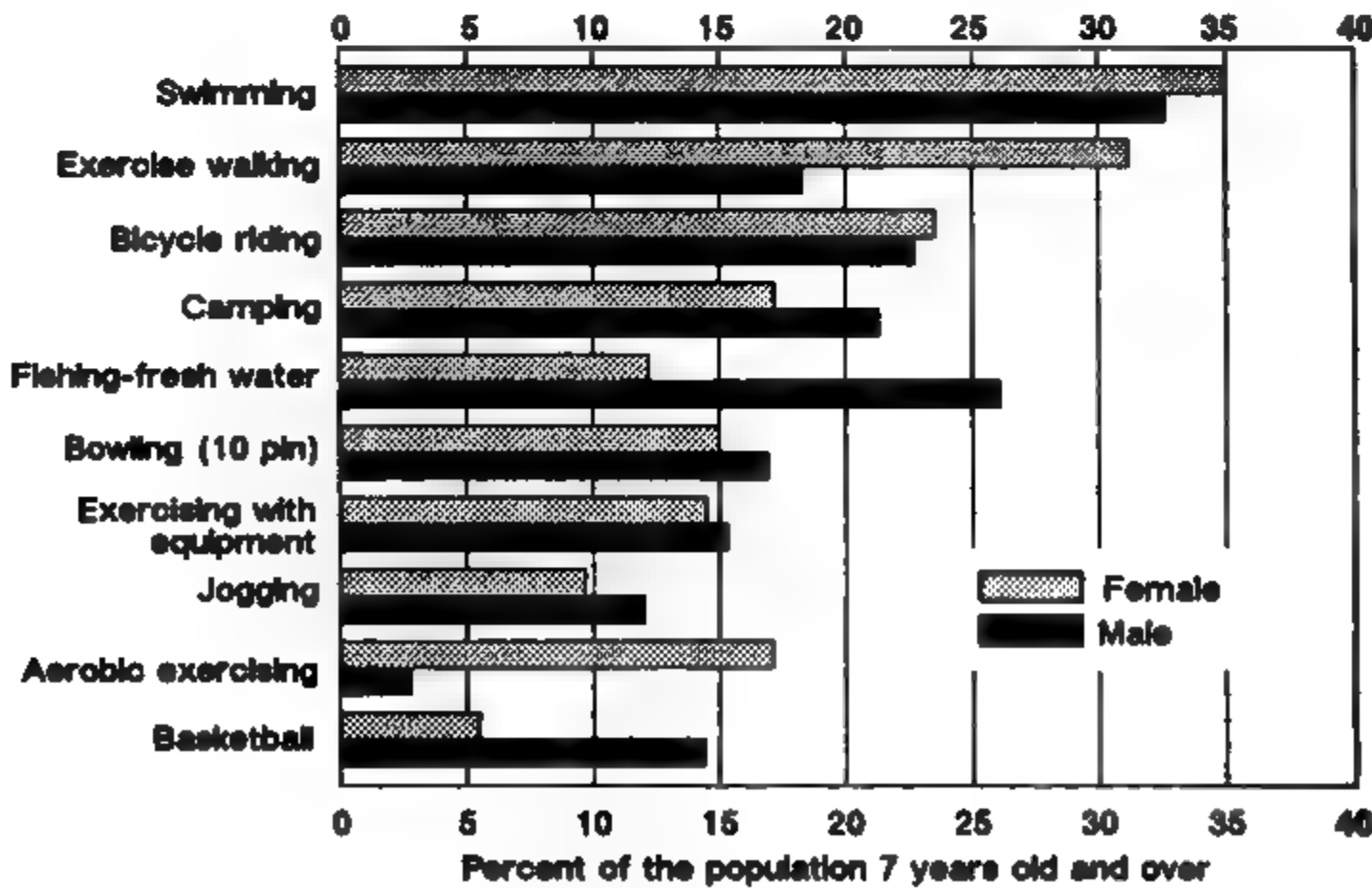
**Figure 7.1**  
**Personal Consumption Expenditures for Recreation—**  
**Percent Distribution: 1984**



<sup>1</sup> Includes musical instruments and radio and TV repair.  
<sup>2</sup> Includes admissions to spectator amusements, commercial participant amusements, and perimutuel net receipts.  
<sup>3</sup> Includes maps and sheet music.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 363.

**Figure 7.2**  
**Participation In Ten Most Popular Sports Activities, by Sex: 1986**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 374.



## Section 7

# Parks, Recreation, and Travel

This section presents statistics on national parks and forests, State parks, recreational activities, the arts and humanities, and domestic and foreign travel.

**Parks and recreation.**—The Department of the Interior has responsibility for administering the national parks. As part of this function, it compiles data and issues various reports relating to the usage of public parks for recreation purposes. The National Park Service publishes information on visits to national park areas in its annual report, *National Park Statistical Abstract*; the *Index-National Park System and Related Areas*, a biennial report, presents data on acreage in public parks; and its *National Parks and Landmarks* gives brief descriptions of each area administered by the Service and also covers sites eligible for registry as natural or national historic landmarks and nonfederally owned national historic sites.

Statistics for State parks are compiled by the National Association of State Park Directors which issues its annual *Information Exchange*. The Bureau of Land Management, in its *Public Land Statistics*, also issues data on recreational use of its lands. The Department of Agriculture's Forest Service, in its *Report of the Forest Service*, issues data on recreational uses of the national forests.

Statistics on recreation other than usage of public lands have not generally been compiled and published in a systematic way. In general, more data are available in the files of public and private bodies than have been published; and much of what is published is in forms not physically permanent nor likely to be preserved in libraries and other reference sources. The series presented here represent only the more readily available data.

**Visitation.**—Statistics presented on visitation to various recreation areas are collected by several different agencies and groups. The methodology used to collect these results, may vary accordingly from visual counts and estimates to the use of electromagnetic traffic counters. Many factors besides the methodology, may affect the results such as multiple or random access points, irregular boundaries, and many other general factors that may affect usage. In using and comparing these data, one should also be aware of several different definitions that follow: Recreation visit, which is the entry of any person into an area for recreation purposes; nonrecreation visits, which include visits going to and from inholdings, through traffic, tradespeople and personnel with business in the area; and visitor hour, which constitutes the presence of a person in a recreation area or site for recreational purposes for periods of time aggregating 60 minutes.

**Recreation and leisure activities.**—Statistics on the participation in various recreation and leisure time activities presented here are based on several sample surveys. Data on participation in fishing, hunting, and other forms of wildlife-associated recreation are published every five years by the U.S. Department of Interior, Fish and Wildlife Service. The most recent data are from the 1985 survey. Data on participation in various sports recreation activities are published by the National Sporting Goods Association. Data on participation and attendance at various art performances by demographic characteristics are presented by the National Endowment for the Arts.

**Travel.**—Information on foreign travel and personal expenditures abroad, as well as expenditures by foreign citizens traveling in the United States, is compiled annually by the U.S. Bureau of Economic Analysis and published in selected issues of the monthly *Survey of Current Business*. Data on the number of passports issued annually to U.S. citizens are to be found in the annual *Summary of Passport Statistics* issued by the U.S. Dept. of State's Bureau of Consular Affairs. Statistics on arrivals to and departures from the United States by air are reported by the Department of Transportation in cooperation with the U.S. Immigration and Naturalization Service in *International Air Travel Statistics*. Data on domestic travel, business receipts and employment of the travel industry, and travel expenditures are published by the U.S. Travel Data Center, a national nonprofit group for travel and tourism located in Washington, DC. Other data on household transportation characteristics may be found in section 21.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1988*. For cross-references, see Appendix V.



No. 356. VISITATION TO FEDERAL RECREATION AREAS, BY ADMINISTERING FEDERAL AGENCY:  
1978 TO 1986

[In millions of visitor hours. For years ending September 30, except as indicated. Covers persons entering and using a recreation area over a specified period of time. For definition of visitor hour, see text, section 7. Data may not be comparable for all years]

ADMINISTERING FEDERAL AGENCY	1978	1979	1980	1981	1982	1983	1984	1985	1986
All areas .....	7,084	6,718	6,367	6,522	6,640	6,868	6,252	6,370	6,586
Fish and Wildlife Service .....	64	25	17	23	12	63	80	65	67
Forest Service .....	2,622	2,642	2,819	2,829	2,801	2,733	2,731	2,705	2,718
U.S. Army Corps of Engineers .....	2,071	1,981	1,926	1,486	1,632	1,636	1,652	1,721	1,730
National Park Service .....	1,154	1,066	1,042	1,198	1,216	1,276	1,240	1,265	1,384
Bureau of Land Management .....	634	525	66	444	341	596	208	246	264
Bureau of Reclamation <sup>1</sup> .....	431	411	407	461	558	285	282	289	298
Tennessee Valley Authority .....	97	88	87	60	80	78	79	79	77

<sup>1</sup> Calendar year data.

Source: 1978-1980, U.S. Heritage Conservation and Recreation Service, *Federal Recreation Fee Report*, annual; thereafter, U.S. National Park Service.

No. 357. NATIONAL PARK SYSTEM—SUMMARY: 1970 TO 1986

[For fiscal years ending in year shown; see text, section 10, except as noted. Includes data for 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 806-828]

ITEM	1970	1975	1979	1980	1981	1982	1982	1984	1985	1986
Finances (mil. dol.):										
Expenditures reported <sup>1</sup> .....	138.8	341.8	462.8	574.3	1,172.9	1,012.5	1,008.0	1,110.7	1,072.3	1,003.6
Salaries and wages .....	62.5	152.1	238.3	259.3	302.6	320.1	353.0	363.5	360.0	382.9
Improvements, maintenance .....	15.5	40.4	67.9	77.3	82.3	98.3	102.4	136.4	127.4	119.6
Construction .....	23.9	85.5	76.7	126.8	123.2	72.9	87.5	93.3	64.7	125.9
Other .....	17.0	63.8	99.9	110.8	664.8	521.2	465.1	517.5	480.2	375.2
Funds available <sup>1</sup> .....	174.6	428.0	616.7	907.9	2,307.7	1,931.3	2,035.8	1,915.5	1,810.6	1,634.4
Appropriations .....	129.4	345.6	526.2	539.4	827.0	801.2	1,118.2	942.6	983.9	848.3
Other .....	45.2	82.4	90.5	368.5	1,480.7	1,130.1	917.6	972.9	826.7	785.1
Revenue from operations <sup>2</sup> .....	8.8	17.2	21.1	21.1	22.9	25.5	33.1	36.2	50.6	50.7
Visits (millions): <sup>3</sup>										
All areas .....	172.0	238.8	282.4	300.3	329.7	334.4	335.6	331.5	344.9	364.6
National parks <sup>4</sup> .....	45.9	56.6	57.5	60.2	63.3	63.5	63.8	64.4	64.5	66.8
National monuments .....	17.3	17.3	16.8	16.3	17.1	18.2	18.5	18.1	19.0	24.0
National historical, archeological, and military areas .....	47.0	75.7	83.9	88.5	95.0	95.1	95.3	96.8	95.6	98.8
National parkways .....	27.8	36.0	35.0	40.2	43.8	45.1	47.8	48.7	50.5	53.2
National recreation areas <sup>4</sup> .....	11.5	23.9	41.3	48.1	51.1	52.9	54.4	52.5	56.4	60.0
National seashores .....	9.1	13.3	14.2	15.0	16.0	15.5	16.7	16.5	22.2	20.4
National Capital Parks <sup>5</sup> .....	10.3	11.2	2.8	4.1	6.7	7.3	8.3	7.2	8.3	6.6
Miscellaneous other areas .....	3.0	2.6	31.5	26.0	37.3	36.8	31.7	25.4	26.4	31.7
Overnight stays reported .....	16.2	16.7	16.0	16.5	17.0	16.9	16.1	16.3	16.1	16.9
Camper days .....	9.0	8.8	7.9	8.3	8.9	8.8	7.8	7.7	7.3	7.2
Tents .....	4.7	3.7	3.4	3.9	4.2	4.2	3.6	3.7	3.6	3.6
Recreation vehicles .....	4.3	5.1	4.5	4.4	4.7	4.6	4.2	3.9	3.8	3.8
In commercial lodgings .....	4.9	4.0	4.0	4.1	4.0	3.3	3.3	3.5	3.5	4.3
Other .....	2.2	3.9	4.1	4.1	4.1	4.8	5.0	4.8	4.9	4.7
Land (1,000 acres):										
Total <sup>6, 7</sup> .....	28,543	29,091	70,797	70,936	73,665	74,800	74,846	74,913	75,749	75,863
Parks <sup>8</sup> .....	14,307	15,344	15,664	15,801	44,470	45,414	45,427	45,454	45,739	45,791
Recreation areas .....	3,628	3,156	3,280	3,322	3,327	3,313	3,317	3,322	3,335	3,337
Other <sup>9</sup> .....	10,608	10,590	51,833	51,813	25,868	26,073	26,102	26,137	26,675	26,735
Acquisition, gross .....	63	110	66	121	70	40	46	43	34	69
By purchase .....	74	70	65	109	60	37	43	42	29	69
By gift .....	1	(Z)	4	7	6	3	1	(Z)	2	18
By transfer or exchange .....	10	40	17	5	4	(Z)	6	2	3	12
Exclusion .....	2	(Z)	1	(Z)	(Z)	(Z)	2	2	(Z)	4
Acquisition, net .....	82	110	65	121	70	40	46	43	34	69

Z Less than 1,000 acres. <sup>1</sup> For 1970-1980; excludes transfers and allocations from appropriations to other agencies (e.g., Land and Water Conservation Fund, etc.). Beginning 1981, data reflect absorption by National Park Service of activities of former Heritage Conservation and Recreation Service (e.g., Land and Water Conservation Fund); see text, section 7. <sup>2</sup> Receipts deposited in Treasury; beginning 1975, receipts from annual admission permit (Golden Eagle Passport) and special recreation use fees are available for NPS expenditure. <sup>3</sup> For calendar year. <sup>4</sup> Combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. <sup>5</sup> Beginning 1979, visits to some areas previously included in National Capital Parks now included in other areas. <sup>6</sup> Federal land only, as of Dec. 31. <sup>7</sup> On Dec. 1, 1976 over 40 million acres of public domain land in Alaska were added to the system. <sup>8</sup> Several areas of the National Park System were reclassified as national parks in 1981; therefore, data for 1970-1980 are not comparable with later years.

Source: U.S. National Park Service, visits, 1970, *Campground Use in the National Park Service*, annual; *Camper Days in Areas Administered by the National Park Service*, annual; and *Public Use of the National Parks*, monthly; 1975, *Public Use of the National Park System*, semiannual; thereafter, *National Park Statistical Abstract*, annual and unpublished data. Land, *Index—National Park System and Related Areas*, biennial. Other data are unpublished.

No. 358. NATIONAL PARK SYSTEM—TYPE OF AREA: 1986

September 30. Totals include 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 808-828]

TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)	TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)
National Park System .....	338	75,862,484	281.1	National seashores.....	10	476,147	20.2
all parks.....	49	45,790,649	53.5	Parkways.....	4	150,413	41.6
all historical parks .....	28	92,897	25.1	National lakeshores.....	4	143,007	2.8
all monuments.....	76	4,536,747	21.2	National rivers.....	12	232,825	3.3
all military parks.....	9	33,098	4.7	National Capital Parks .....	1	6,469	6.9
all battlefields.....	11	9,176	2.4	Parks, other.....	12	30,907	9.9
all battlefield parks.....	3	7,451	1.6	National recreation areas .....	17	3,337,062	54.8
all battlefield site.....	1	1	(NA)	National trails.....	3	62,591	(NA)
all historic sites.....	63	16,333	12.4	National preserves .....	12	20,899,682	.1
all memorials.....	23	7,865	19.0	National Mall.....	1	146	(NA)
				White House.....	1	18	1.1

Not available.

Source: U.S. National Park Service, *Index—National Park System and Related Areas*, biannual.

No. 358. SELECTED NATIONAL PARK SERVICE AREAS—ACREAGE, 1986, VISITS AND OVERNIGHT STAYS, 1984 TO 1986

Area as of December 31. Area selection based on minimum of 4 million visits or 200,000 overnight stays in 1986. For information on methodology and definition of "visits", see text, section 7]

AREA	Acreage, <sup>1</sup> 1986 (1,000)	VISITS (mil.)				OVERNIGHT STAYS <sup>2</sup> (1,000)		
		1984, total	1985, total	1986		1984	1985	1986
				Total <sup>3</sup>	Recreation			
I, all areas <sup>4</sup> .....	75,491	332.7	346.2	364.6	281.1	16,325	16,115	16,310
National Park, ME.....	41	3.9	3.9	4.1	3.9	191	298	206
and National Park, TX .....	735	.2	.2	.2	.2	236	236	221
Edge Parkway, NC, VA.....	62	19.2	21.2	21.5	17.1	220	230	249
200 National Seashore, MA.....	44	4.6	4.4	4.0	4.0	21	17	16
Leake and Ohio National Historical , MD, DC, WV.....	21	6.4	6.3	<sup>5</sup> 4.9	4.9	56	62	<sup>5</sup> 4
Smoky and Chattanooga National try Park, TN.....	8	17.6	15.5	15.8	1.2	3	3	2
Law National Recreation Park, OK.....	9	5.2	6.1	4.3	2.0	62	93	93
all National Historical Park, VA.....	9	5.7	5.7	5.1	2.0	-	-	-
Valley National Monument, CA, NV.....	2,068	.6	.6	.6	.6	333	337	326
Fire Water Gap National Recreation , PA, NJ.....	66	5.2	4.6	4.6	2.2	92	91	91
any National Recreation Area, NY, NJ.....	26	8.0	8.7	9.0	8.9	18	10	26
Washington Memorial Parkway, VA, MD.....	7	8.2	8.8	9.1	9.1	-	-	-
National Park, MT .....	1,014	2.0	1.6	1.6	1.6	326	268	287
anyon National Recreation Area, AZ, UT .....	1,237	2.1	2.2	2.5	2.4	1,602	1,669	1,974
Gate National Recreation Area, CA.....	73	18.8	16.4	21.6	21.6	112	106	120
Canyon National Park, AZ.....	1,216	2.4	3.0	3.3	3.0	778	737	634
Teton National Park, WY.....	311	2.2	2.1	2.2	1.3	462	452	421
Smoky Mountain National Park, NC, TN.....	520	13.5	14.4	15.9	9.8	486	479	460
Land National Seashore, MS, FL.....	140	5.8	9.9	7.6	7.6	160	153	171
Rings National Park, AR.....	6	5.4	5.2	5.6	1.2	15	16	15
Independence National Historical Park, PA.....	(Z)	4.8	4.9	5.0	5.0	-	-	-
Canyon National Park, CA.....	462	.9	.9	1.0	1.0	272	269	267
Lead National Recreation Area, AZ, NY .....	1,496	8.5	7.2	8.0	7.8	1,369	1,486	1,576
Memorial, DC.....	(Z)	4.0	3.8	4.0	4.0	-	-	-
iz Trace Parkway, MS, TN, AL.....	50	20.2	19.4	21.5	14.4	24	17	20
all Capital Parks, DC, MD.....	6	7.2	8.3	6.6	6.6	-	-	-
ic National Park, WA.....	915	3.3	3.0	3.5	2.9	336	375	366
National Scenic Riverways, MO.....	81	1.9	2.0	1.9	1.4	236	222	205
Zion National Park, DC.....	2	14.1	14.4	14.7	2.2	-	-	-
is National Park, CA.....	403	1.0	.9	1.1	1.1	441	375	363
Joshua National Park, VA.....	195	1.9	2.0	1.9	1.6	414	430	382
Forge National Historical Park, PA.....	3	13.1	12.9	12.9	4.2	-	-	-
in Veterans Memorial, DC.....	(Z)	2.3	4.0	5.4	5.4	-	-	-
Island National Park, VI.....	15	1.0	1.0	1.1	.8	215	217	244
Stone National Park, ID, MT, WY.....	2,220	2.3	2.3	2.4	2.4	1,265	1,270	1,308
ite National Park, CA.....	761	2.8	2.9	3.0	2.9	2,211	2,088	1,884
ational Park, UT.....	147	1.6	1.7	1.9	1.7	253	206	236

0 represents zero. Z Less than 500 acres. <sup>1</sup> Includes non-Federal land. <sup>2</sup> Includes nonrecreation visits. In some nonrecreation visits can not be counted; therefore, total visits equal recreation visits only. <sup>3</sup> The passing of one night by or within a park, and occurs each night a visitor remains in the park. <sup>4</sup> Includes areas not shown separately. <sup>5</sup> Not reliable with earlier years due to temporary closing.

Source: U.S. National Park Service, *National Park Statistical Abstract*, annual, and unpublished data.

No. 360. NATIONAL FOREST RECREATION USE—SUMMARY, 1960 TO 1986, AND BY PLACE AND ACTIVITY, 1986

[For year ending September 30. Estimated. Represents recreational use of National Forest land and water which aggregates 12 person-hours; may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. See also *Historical Statistics, Colonial Times to 1970*, series H 829-835]

PLACE WHERE USE OCCURRED	Visitor-days (1,000)	Percent	ACTIVITY	Visitor-days (1,000)	Percent
1960.....	233,549	(x)	1986, total .....	226,533	100.0
1961.....	235,709	(x)	Camping .....	53,666	23.7
1962.....	233,438	(x)	Picnicking .....	7,838	3.5
1963.....	227,708	(x)	Recreation travel (mechanized) .....	51,723	22.8
1964.....	227,554	(x)	Water travel .....	8,516	3.8
1965.....	225,407	(x)	Games and teams sports .....	1,258	.6
1986, total.....	226,533	100.0	Water skiing and other water sports .....	472	.2
Developed sites.....	82,381	36.4	Swimming and scuba diving .....	4,835	2.1
Observation sites .....	1,009	.4	Winter sports .....	14,730	6.5
Boating and fishing sites.....	3,883	1.7	Fishing .....	15,208	6.7
Swimming sites, playgrounds, etc.....	2,396	1.1	Hunting .....	15,276	6.7
Campgrounds and trailheads .....	36,033	15.9	Hiking and mountain climbing .....	12,740	5.6
Picnic grounds.....	4,679	2.1	Horseback riding .....	3,742	1.7
Hotels, lodges, and resorts .....	4,444	2.0	Resort use .....	4,136	1.8
Organization sites .....	5,246	2.3	Organization camp use .....	4,057	1.8
Recreation residence sites .....	6,804	3.0	Recreation cabin use .....	6,924	3.1
Ski areas and winter sports sites .....	14,943	6.6	Gathering forest products .....	4,800	2.1
Documentary areas, concession sites, visitor centers .....	2,944	1.3	Nature study .....	2,004	.9
Dispersed areas .....	144,162	63.6	Viewing scenery, sports, and environment .....	11,129	4.9
Roads (recreation) .....	53,382	23.6	Visitor information (exhibits, talks, etc.)...	3,479	1.5
Trails (recreation) .....	12,881	5.7			
Airfields.....	17	(z)			
Waters .....	25,257	11.1			
General undeveloped areas .....	52,615	23.2			

X Not applicable.      Z Less than .05 percent.

Source: U.S. Forest Service, unpublished data.

No. 361. RECREATIONAL USE OF PUBLIC LANDS ADMINISTERED BY BUREAU OF LAND MANAGEMENT, 1982 TO 1986 AND BY STATE, 1986

[In thousands. For year ending Sept. 30. See text, section 7]

STATE	Number of visits	Total visitor hours	TYPE OF RECREATION USE									
			Land-based recreation activities						Water-based recreation activities			Snow- and ice-based recreational activity, winter sports
			Motorized travel		Site based							
			Offroad vehicle travel	Other motor-ized travel	Non-motor-ized travel	Camp-ing	Hunt-ing	Other	Fish-ing	Boat-ing	Other	
1982 .....	58,135	316,959	19,471	32,646	11,237	63,928	108,996	44,587	19,287	10,101	1,043	5,663
1983 .....	56,270	334,010	24,397	35,534	12,237	84,066	92,974	39,734	20,290	16,669	4,992	2,917
1984 .....	59,228	271,373	21,346	25,433	9,579	73,032	73,898	37,650	14,263	11,184	2,092	2,894
1985 .....	51,739	244,612	36,995	24,053	10,047	65,397	51,842	23,066	14,254	11,710	2,193	5,023
1986, total .....	54,253	284,142	49,688	25,886	14,367	95,196	35,570	19,331	18,227	15,891	3,951	6,626
AK .....	296	4,819	32	202	78	3,513	437	97	252	154	3	51
AZ .....	1,557	35,660	1,443	166	418	25,754	4,378	1,794	472	616	615	4
CA .....	29,052	104,032	29,820	10,930	5,080	31,652	10,892	10,051	791	3,048	1,833	36
CO .....	4,540	15,588	750	2,287	652	2,346	3,237	471	4,121	1,253	23	448
ID .....	3,342	22,188	1,045	535	511	7,313	2,549	710	2,496	2,325	452	4,248
MT <sup>1</sup> .....	2,067	10,206	2,424	1,126	336	2,748	1,435	256	1,231	333	36	263
NV .....	1,458	15,150	3,623	831	1,000	5,343	2,039	273	1,640	236	124	41
NM .....	1,326	7,534	574	561	803	840	2,633	1,033	576	274	141	69
OR <sup>2</sup> .....	3,563	20,953	922	1,480	595	5,561	2,744	1,235	4,677	3,178	390	191
UT .....	5,501	37,354	8,661	6,888	4,620	6,907	2,374	2,303	906	4,227	223	243
WY .....	1,549	10,658	394	880	304	3,221	3,052	1,106	1,061	247	11	382

<sup>1</sup> Includes North Dakota and South Dakota.      <sup>2</sup> Includes Washington.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

## NO. 322. STATE PARKS AND RECREATION AREAS—STATES: 1966

[For year ending June 30. Data are shown as reported by State park directors. In some States, park agency has under its control forests, fish and wildlife areas and/or other areas. In other States, agency is only responsible for State parks. For composition of regions, see fig. 1, inside front cover]

DIVISION AND STATE	Acres (1,000)	VISITORS (1,000)		OPERATING BUDGET		DIVISION AND STATE	Acres (1,000)	VISITORS (1,000)		OPERATING BUDGET	
		Total <sup>1</sup>	Day	Total (\$1,000)	Per cent of State budget			Total <sup>1</sup>	Day	Total (\$1,000)	Per cent of State budget
U.S.	13,736	875,485	808,511	788,851	(x)	So. Atl.—Con.					
N. Eng.	727	28,902	27,787	45,818	(0)	WV	208	8,933	8,147	6,880	.43
ME	72	2,638	2,382	3,245	.15	NC	124	8,282	5,887	6,138	.11
NH	29	3,888	3,885	8,338	.57	SC	79	6,386	7,359	12,088	.24
VT	171	818	806	2,941	.37	GA	81	12,806	9,004	16,733	.35
MA	285	11,740	10,887	17,619	.19	FL	272	13,859	12,477	20,424	.14
Ri	9	4,102	4,011	5,173	.48	E. So. Cent.	345	57,018	53,543	186,736	(x)
CT	181	5,737	5,336	13,500	.30	KY	43	23,482	22,451	51,811	.88
Md. Atl.	636	84,888	78,882	133,543	(x)	TN	133	22,255	21,149	30,325	.54
NY	255	35,920	34,124	89,576	.88	AL	46	5,577	5,705	14,330	.24
NJ	298	9,599	9,083	15,900	.44	MS	21	4,891	4,238	10,288	.28
PA	282	38,177	38,885	28,057	.28	W. So. Cent.	389	43,978	33,843	84,187	(x)
E. No. Cent.	882	138,888	128,484	98,482	(x)	AR	44	6,480	5,806	14,907	1.04
OH	193	64,580	61,973	35,102	.22	LA	38	1,100	788	6,086	.08
IN	54	9,119	7,509	9,157	.12	OK	95	16,042	9,175	16,645	.83
IL	335	32,407	31,880	25,876	.13	TX	208	20,344	18,074	28,580	.30
MI	251	22,726	17,459	18,804	.34	Mt.	1,851	32,326	25,884	48,348	(x)
WI	119	11,085	9,883	9,825	.21	MT	51	3,975	3,624	3,528	.16
W. No. Cent.	3,718	48,317	43,888	51,838	(x)	ID	83	2,297	2,115	2,739	.18
MN	3,238	4,406	3,869	11,885	.30	WY	120	1,856	1,412	2,683	.82
IA	83	14,223	12,885	5,207	.25	CO	328	7,737	7,280	7,451	.20
MO	105	11,758	10,788	15,885	.28	NM	119	6,280	4,182	6,221	.28
ND	15	860	752	1,289	.11	AZ	79	2,314	2,044	5,155	.38
SD	82	5,284	4,970	4,512	.55	UT	118	5,288	3,822	8,784	.87
NE	147	8,575	7,546	8,073	.87	NV	145	2,578	2,387	2,708	.24
KS	37	4,220	2,779	4,828	.15	Pac.	4,742	174,638	158,885	170,888	(x)
So. Atl.	1,878	83,888	84,812	85,887	(x)	WA	249	47,854	45,424	22,415	.28
DE	11	3,488	3,105	4,273	.31	OR	89	38,188	34,352	14,450	.22
MD	270	8,777	8,223	13,247	.20	CA	1,247	89,254	82,535	123,132	.83
VA	53	3,397	2,890	5,714	.07	AK	3,132	6,514	2,588	5,882	(NA)
						HI	28	15,258	15,055	4,830	(NA)

NA Not available. X Not applicable. <sup>1</sup> Includes overnight visitors.

Source: National Association of State Park Directors, Indianapolis, IN, Annual Information Exchange.

## NO. 383. PERSONAL CONSUMPTION EXPENDITURES FOR RECREATION: 1970 TO 1986

[In billions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions]

TYPE OF PRODUCT OR SERVICE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total recreation expenditures	42.7	78.2	105.2	115.0	128.8	138.3	152.1	168.3	183.8	198.0
Percent of total personal consumption <sup>1</sup>	6.7	8.9	6.8	6.8	6.7	6.7	6.8	6.9	7.0	7.1
Books and maps	2.8	3.6	5.2	5.8	6.2	6.6	7.2	7.8	8.2	8.7
Magazines, newspapers, and sheet music	4.1	6.4	9.5	10.4	11.0	11.4	12.0	12.7	12.9	13.7
Nondurable toys and sport supplies	5.5	9.0	13.4	14.5	16.0	16.8	18.0	19.7	20.9	21.8
Wearable goods, durable toys, sports equipment <sup>2</sup>	5.2	10.5	17.3	17.2	18.7	19.3	20.4	24.8	25.9	27.0
Radio and television receivers, records, and musical instruments	6.5	13.5	16.8	19.9	22.0	24.5	26.2	31.5	36.1	40.8
Radio and television repair	1.4	2.2	2.5	2.8	2.7	2.8	2.8	2.8	3.1	3.2
Flowers, seeds, and potted plants	1.8	2.7	3.8	4.0	4.4	4.5	4.8	5.2	5.7	6.5
Admissions to specified spectator amusements	3.3	4.3	6.3	6.5	6.9	7.8	8.8	9.5	9.8	10.3
Motion picture theaters	1.5	2.2	2.9	2.7	2.9	3.3	3.6	3.9	3.7	3.9
Legitimate theaters and opera, and entertainments of nonprofit institutions <sup>3</sup>	.5	.8	1.5	1.8	2.0	2.1	2.4	2.7	3.0	3.4
Spectator sports	1.1	1.3	1.9	2.0	2.0	2.3	2.6	2.9	2.9	3.1
Clubs and fraternal organizations <sup>4</sup>	1.6	1.9	2.7	3.0	3.4	3.8	4.2	4.5	5.1	5.4
Commercial participant amusements <sup>5</sup>	2.4	4.9	8.4	9.7	11.7	12.5	13.6	14.1	14.9	15.8
Park-mutual net receipts	1.1	1.7	2.0	2.1	2.2	2.2	2.3	2.6	2.6	2.6
Other <sup>6</sup>	5.1	8.7	16.4	19.4	23.4	28.0	30.0	33.1	38.0	42.3

<sup>1</sup> See table 678. <sup>2</sup> Includes boats and pleasure aircraft. <sup>3</sup> Except athletic. <sup>4</sup> Consists of dues and fees excluding insurance premiums.

<sup>5</sup> Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations and other commercial participant amusements.

<sup>6</sup> Consists of net receipts of lotteries and expenditures for purchase of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, and recreational services, not elsewhere classified.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

No. 364. AVERAGE ANNUAL EXPENDITURES OF ALL CONSUMER UNITS FOR ENTERTAINMENT AND READING, BY SELECTED CHARACTERISTICS: 1984 AND 1985

[In dollars, except as indicated. Based on Consumer Expenditure Interview Survey, see text, section 14, for description of survey. See also headnote, table 888]

YEAR AND CHARACTERISTIC	ENTERTAINMENT AND READING		ENTERTAINMENT <sup>1</sup>				Reading
	Total	Percent of total expenditures	Total	Fees and admissions	Television, radios, and sound equipment	Other equipment and services	
1984.....	1,105	5.3	973	313	309	350	132
1985, all consumer units.....	1,226	5.5	1,085	320	355	409	141
Age of reference person:							
Under 25 years old.....	744	5.7	880	197	260	224	64
25-34 years old.....	1,330	6.1	1,201	296	414	486	129
35-44 years old.....	1,890	6.0	1,518	428	461	630	172
45-54 years old.....	1,588	5.4	1,409	434	468	506	177
55-64 years old.....	1,178	5.0	1,025	328	326	371	153
65-74 years old.....	801	4.7	661	259	209	193	140
75 years old and over.....	414	3.4	317	133	117	66	97
Region of residence:							
Northeast.....	1,192	5.5	1,024	350	356	318	166
Midwest.....	1,231	5.7	1,085	321	320	444	148
South.....	1,096	5.0	979	256	346	377	117
West.....	1,482	6.0	1,340	398	421	520	142
Size of consumer unit:							
One.....	719	5.4	616	207	242	167	103
Two persons.....	1,149	5.2	995	309	307	379	154
Three persons.....	1,497	5.6	1,338	367	450	522	169
Four persons.....	1,734	5.8	1,566	451	504	610	168
Five persons.....	1,859	6.3	1,707	434	447	626	152
Six persons or more.....	1,291	5.0	1,177	332	425	421	114
Income before taxes:							
Complete income reporters <sup>2</sup> .....	1,246	5.5	1,103	322	363	417	143
Under \$5,000.....	586	5.1	512	178	173	161	74
\$5,000-\$9,999.....	450	3.9	379	95	153	131	71
\$10,000-\$14,999.....	761	5.1	661	164	279	216	100
\$15,000-\$19,999.....	880	4.8	737	213	268	238	123
\$20,000-\$29,999.....	1,257	5.6	1,112	276	381	455	145
\$30,000-\$39,999.....	1,580	5.6	1,363	394	476	514	177
\$40,000 and over.....	2,639	6.2	2,377	762	665	950	262
Incomplete reporters of income.....	1,069	5.4	946	306	295	344	123

<sup>1</sup> Some expenditures for vacation trips are not included in this category, such as food, lodging, and vehicle expenses.  
<sup>2</sup> A complete reporter is a consumer unit that provided values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey, Interview Survey, annual.*

No. 365. SPORTING GOODS SALES, BY PRODUCT CATEGORY: 1980 TO 1987

[In millions of dollars except as indicated. Based on a sample survey of consumer purchases of 80,000 households, except recreational transport, which was provided by industry associations]

SELECTED PRODUCT CATEGORY	1980	1981	1982	1982	1984	1986	1986	1987, proj.
Sales, all products.....	16,691	16,725	18,684	23,111	26,401	27,446	30,614	32,263
Percent of retail sales.....	1.74	1.80	1.75	1.97	2.04	1.99	2.22	(NA)
Athletic and sport clothing <sup>1</sup> .....	3,127	3,201	3,014	3,226	3,432	3,376	3,951	4,116
Athletic and sport footwear.....	1,731	1,785	1,980	2,189	2,381	2,610	3,119	3,994
Gym shoes, sneakers.....	465	616	659	639	669	656	566	596
Jogging and running shoes.....	397	372	421	557	591	572	545	545
Tennis shoes.....	359	264	287	340	371	470	448	470
Aerobic shoes.....	(NA)	(NA)	10	29	54	178	333	383
Basketball shoes.....	86	80	81	119	159	185	187	200
Golf shoes.....	66	76	99	115	110	109	120	136
Baseball shoes.....	56	58	48	66	87	103	96	100
Athletic and sport equipment.....	6,487	6,762	7,114	7,925	8,317	6,522	9,477	9,772
Firearms and hunting.....	1,351	1,454	1,567	1,666	1,820	1,899	1,675	1,675
Fishing tackle.....	539	669	566	606	616	661	773	827
Camping.....	646	663	735	790	699	724	833	899
Golf.....	368	413	493	633	630	730	826	876
Snow skiing.....	379	307	332	366	502	593	622	676
Optics.....	(NA)	(NA)	(NA)	(NA)	294	309	359	376
Tennis.....	237	254	277	293	315	273	260	272
Archery.....	149	169	186	179	212	212	214	229
Baseball and softball.....	156	157	154	173	153	178	180	187
Water skis.....	123	123	106	133	146	125	132	136
Billiards.....	173	146	124	199	100	117	117	119
Bowling accessories.....	107	107	103	106	106	106	114	119
Recreational transport.....	5,345	6,977	6,556	9,771	12,271	12,539	14,007	14,961
Bicycles and supplies.....	1,233	1,299	1,146	1,636	1,640	2,109	2,516	2,589
Pleasure boats.....	2,718	3,656	3,684	4,612	6,209	6,753	7,372	7,741
Recreational vehicles.....	1,176	1,620	1,701	3,366	4,062	3,515	3,940	4,491
Snowmobiles.....	216	202	123	153	140	162	177	199

NA Not available. <sup>1</sup> Category does not completely cover all sales.  
Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sport Goods Market in 1987*, and prior issues. (Copyright.)

No. 366. QUANTITY OF BOOKS SOLD AND VALUE OF U.S. DOMESTIC CONSUMER EXPENDITURES, BY  
TYPE OF PUBLICATION AND MARKET AREA: 1975 TO 1986

[Includes all titles released by publishers in the U.S. and imports which appear under the imprints of American publishers. Multi-volume sets, such as encyclopedias, are counted as one unit]

TYPE OF PUBLICATION AND MARKET AREA	1975	1975	1977	1979	1979	1986	1981	1982	1986	1984	1980	1986, prel.
UNITS SOLD (mil.)												
Total <sup>1</sup> .....	1,541	1,599	1,599	1,708	1,799	1,966	1,599	1,924	2,045	2,012	2,044	2,033
Hardbound, total.....	526	547	573	601	629	669	742	890	749	786	831	841
Softbound, total.....	1,015	1,042	1,083	1,109	1,170	1,167	1,153	1, 233	1,297	1,224	1,213	1,192
Trade.....	272	206	320	356	375	487	495	518	614	612	696	672
Adult.....	182	193	217	255	285	369	372	356	409	424	455	448
Juvenile.....	90	95	103	101	90	116	123	162	206	198	210	225
Religious.....	98	113	128	135	145	152	149	157	153	162	144	143
Professional.....	51	57	61	72	85	103	110	125	139	129	140	158
Bookclubs.....	195	214	215	202	158	127	128	121	121	111	107	103
Elhi text.....	257	244	242	244	246	217	218	220	222	231	236	229
College text.....	64	84	63	91	101	116	119	119	122	114	110	98
Mail order publications.....	85	104	108	117	130	145	162	136	121	103	111	111
Mass market paperbacks.....	491	475	500	539	548	495	508	517	542	541	519	512
General retailers.....	595	618	683	744	775	841	867	911	1,019	1,004	1,023	1,032
College stores.....	195	203	214	229	223	242	245	251	266	260	258	248
Libraries and institutions.....	73	73	78	82	87	93	69	88	89	90	94	95
Schools.....	309	295	298	285	289	271	200	257	253	263	270	260
Direct to consumers.....	288	315	326	344	347	328	348	320	369	264	285	263
Other.....	83	85	81	84	78	60	89	96	109	111	115	116
CONSUMER EXPENDITURES (mil. dol.)												
Total <sup>1</sup> .....	4,636	5,580	6,300	7,231	7,948	8,854	6,868	10,549	12,012	12,837	14,072	14,984
Hardbound, total.....	3,278	3,663	4,032	4,646	5,143	5,731	6,463	6,601	7,574	8,136	8,924	9,560
Softbound, total.....	1,693	1,926	2,269	2,585	2,865	3,123	3,444	3,949	4,438	4,701	5,146	5,425
Trade.....	1,092	1,220	1,439	1,850	1,856	2,349	2,685	2,824	3,481	3,810	4,486	4,873
Adult.....	888	963	1,160	1,379	1, 553	1,954	2,242	2,325	2,861	3,150	3,669	3,924
Juvenile.....	226	237	259	279	303	395	453	499	600	650	818	949
Religious.....	358	453	520	552	628	667	763	636	997	1,130	1,130	1,160
Professional.....	590	662	788	1,053	1,158	1,453	1,856	1,871	2,136	2,207	2,415	2,806
Bookclubs.....	336	382	414	472	460	473	487	504	530	519	544	557
Elhi text.....	663	685	753	834	932	890	931	1,002	1,106	1,251	1,420	1,520
College text.....	635	665	725	819	957	1,136	1,299	1,429	1,577	1,626	1,707	1,799
Mail order publications.....	321	403	426	472	531	592	665	588	552	569	597	599
Mass market paperbacks.....	851	741	897	981	1,011	987	1,008	1,199	1,338	1,433	1,479	1,452
General retailers.....	1,565	1,791	2,123	2,500	2,836	3,341	3,891	4,224	5,095	5,536	6,159	6,578
College stores.....	895	1,005	1,140	1,319	1,383	1,803	1,833	2,037	2,326	2,428	2,615	2,768
Libraries and institutions.....	452	502	561	652	747	846	667	984	1,037	1,110	1,227	1,332
Schools.....	645	685	945	1,014	1,113	1,176	1,191	1,260	1,384	1,522	1,709	1,819
Direct to consumers.....	1,118	1,311	1,411	1,616	1,749	1,764	1,959	1,897	1,985	2,018	2,113	2,218
Other.....	94	106	120	130	119	124	147	163	204	224	249	269

<sup>1</sup> Includes university press publications and subscription reference works not shown separately by type.

Source: Book Industry Study Group, Inc., New York, NY, *Book Industry Trends*, annual. (Copyright.)

No. 367. SELECTED CHARACTERISTICS OF READERS—PERCENT DISTRIBUTION: 1983

[Covers persons 16 years old and over. Book reader is one who read one or more books in the six months prior to the survey; a non-book reader read newspapers or magazines but no books in the previous six months; and a nonreader did not read a book, newspaper, or magazine. Based on a sample survey of 1,429 respondents. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTICS	Book reader	Non- book reader	Non- reader	CHARACTERISTICS	Book reader	Non- book reader	Non- reader
All persons.....	50	44	6	Educational attainment:			
Male.....	42	52	6	High school or less.....	40	53	8
Female.....	57	37	6	Some college.....	68	29	3
White.....	52	44	4	College or more.....	75	24	1
Other races.....	36	47	15	Household income:			
16-20 years.....	62	31	8	Less than \$15,000.....	35	54	11
21-29 years.....	60	36	3	\$15,000-\$24,999.....	53	41	6
30-39 years.....	56	39	3	\$25,000-\$39,999.....	59	39	3
40-49 years.....	55	39	6	\$40,000 and over.....	70	29	1
50-64 years.....	39	54	6	Region:			
65 years and over.....	29	61	10	Northeast.....	49	46	5
				Midwest.....	47	49	5
				South.....	48	45	7
				West.....	59	34	7

Source: Book Industry Study Group, Inc., New York, NY, *1983 Consumer Research Study on Reading and Book Purchasing*. (Copyright.)



No. 368. NEW BOOKS AND NEW EDITIONS PUBLISHED, AND IMPORTS, BY SUBJECT: 1980 TO 1986

[Covers listings in Bowker's *Weekly Record* in year shown, plus titles issued in that year which were listed in following six months. Comprises new books (published for first time) and new editions (with changes in text or format). Excludes government publications; books sold only by subscription; dissertations; periodicals and quarterlies; and pamphlets under 49 pages. Data for imports in 1982 are not available. See also *Historical Statistics, Colonial Times to 1970*, series R 191-216]

SUBJECT	NEW BOOKS AND NEW EDITIONS							IMPORTS						
	1980	1981	1982	1983	1984	1985	1986, prel.	1980	1981	1982	1983	1984	1985	1986, prel.
Total ..	42,377	44,793	46,936	53,390	51,058	50,070	42,793	5,390	3,830	5,918	6,337	7,304	5,903	
Agriculture.....	461	474	439	572	507	536	445	104	65	87	103	118	89	
Art.....	1,691	1,693	1,722	1,896	1,836	1,545	1,316	157	124	137	61	166	145	
Biography.....	1,691	1,860	1,752	2,135	2,098	1,953	1,729	126	79	150	240	216	153	
Business.....	1,185	1,342	1,327	1,836	1,696	1,518	1,349	74	46	132	140	196	130	
Education.....	1,011	1,172	1,046	1,059	1,052	1,085	841	133	93	140	190	211	179	
Fiction.....	2,835	5,655	5,419	5,470	5,413	5,105	4,877	71	56	127	184	171	161	
General works.....	1,643	1,743	2,398	2,767	3,021	2,905	1,970	132	104	241	268	329	260	
History.....	2,220	2,321	2,177	2,296	2,257	2,327	1,936	296	166	291	324	395	266	
Home economics.....	879	1,106	1,099	1,325	1,306	1,228	894	40	9	43	41	41	31	
Juvenile.....	2,859	3,102	3,049	3,197	3,128	3,801	3,812	58	32	72	69	92	92	
Language.....	529	761	576	669	670	632	562	134	75	160	179	216	196	
Law.....	1,102	1,448	1,451	1,756	1,406	1,349	1,077	112	82	141	158	170	134	
Literature.....	1,686	1,777	1,742	1,957	2,006	1,964	1,800	183	124	200	238	267	212	
Medicine.....	3,292	3,788	3,229	4,002	3,554	3,579	2,731	671	455	474	508	598	494	
Music.....	357	396	346	417	387	364	292	35	28	60	54	70	51	
Philosophy, psychology.....	1,429	1,465	1,465	1,578	1,554	1,559	1,369	218	148	163	211	267	210	
Poetry and drama.....	1,179	1,183	1,049	1,234	1,184	1,166	1,056	120	97	168	174	220	186	
Religion.....	2,055	2,278	2,075	2,433	2,482	2,564	2,212	94	73	119	160	173	107	
Science.....	3,109	3,375	3,124	3,620	3,236	3,304	2,570	1,069	752	1,042	1,032	1,242	925	
Sociology, economics.....	7,152	7,801	7,449	8,470	7,794	7,441	6,471	1,050	835	1,294	1,373	1,559	1,265	
Sports, recreation..	971	1,264	1,191	1,335	1,299	1,154	962	85	52	136	137	107	87	
Technology...	2,337	2,313	2,328	2,994	2,639	2,526	2,110	373	263	481	454	419	493	
Travel.....	504	472	482	562	551	465	412	55	32	60	61	61	36	

<sup>1</sup> Increase is due largely to a major improvement in the recording of paperbound books.  
Source: R. R. Bowker Co., New York, NY, *Publishers Weekly*. (Copyright by Reed Publishing.)

No. 369. BOOKS AND PERIODICALS—AVERAGE RETAIL PRICES: 1975 TO 1986

[See headnote, table 368]

SUBJECT	BOOKS (per vol.)				SUBJECT	PERIODICALS <sup>2</sup>			
	1975	1980	1985	1986, prel.		1975	1980	1985	1986, prel.
Hardcover <sup>1</sup> .....	\$16.19	\$24.64	\$31.46	\$31.22	Total.....	\$19.94	\$34.54	\$59.70	\$66.00
Agriculture.....	13.72	27.55	36.77	37.81	Agriculture.....	9.70	15.24	26.05	28.71
Art.....	17.90	27.70	35.15	33.96	Business and economics.....	15.26	25.42	44.41	47.15
Biography.....	14.09	19.77	22.20	22.46	Chemistry and physics.....	76.84	137.45	238.43	264.05
Business.....	16.54	22.45	28.84	30.33	Children's periodicals.....	4.69	7.85	13.31	13.76
Education.....	10.81	17.01	27.28	25.63	Engineering.....	26.84	49.15	84.36	92.66
Fiction.....	8.31	12.46	15.29	16.37	Fine and applied arts.....	11.09	18.67	27.03	26.26
General reference.....	21.60	29.84	37.91	37.06	History.....	11.14	15.77	25.55	26.04
History.....	15.85	22.78	27.02	27.77	Home economics.....	14.24	24.63	41.04	45.59
Home economics.....	10.27	13.31	17.50	19.02	Industrial arts.....	10.59	20.70	35.09	39.75
Juvenile.....	5.82	8.16	9.95	10.51	Journalism, communications.....	14.70	27.34	46.06	47.54
Language.....	15.80	22.16	28.66	30.58	Labor and industrial relations.....	7.40	18.84	34.75	37.14
Law.....	23.22	33.25	41.70	48.02	Law.....	15.00	23.00	35.15	36.44
Literature.....	14.89	18.70	24.53	25.42	Library and information science.....	14.18	23.25	40.66	42.62
Medicine.....	22.15	34.28	44.36	47.66	Literature and languages.....	10.41	15.30	24.18	25.21
Music.....	14.83	21.79	28.79	32.36	Mathematics, botany, geology, and general science.....	35.95	67.54	116.93	129.85
Philosophy, psychology.....	12.75	21.70	28.11	29.00	Medicine.....	42.38	73.37	137.92	151.77
Poetry and drama.....	10.76	17.85	22.14	23.71	Philosophy and religion.....	9.05	14.73	24.30	24.86
Religion.....	11.16	17.61	19.13	21.59	Education.....	14.72	23.45	37.81	40.47
Science.....	22.81	37.45	51.19	53.59	Physical education and recreation.....	7.80	13.63	23.72	24.76
Sociology, economics.....	21.65	31.76	33.33	29.70	Political science.....	12.79	19.30	32.72	35.19
Sports, recreation.....	10.97	15.92	23.43	23.55	Psychology.....	27.51	41.95	76.34	83.71
Technology.....	19.66	33.84	50.37	53.10	Sociology and anthropology.....	14.85	27.56	50.87	56.31
Travel.....	15.43	16.80	24.66	23.23	Zoology.....	27.37	44.58	90.75	102.83
Paperbacks:					General interest periodicals.....	14.36	19.67	28.41	28.96
Mass market <sup>2</sup> .....	1.46	(NA)	3.62	3.87					
Trade or other.....	5.24	6.60	13.98	14.65					

NA Not available. <sup>1</sup> Excludes publications of U.S. and other governmental units, books sold only by subscription, and dissertations. <sup>2</sup> "Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc. <sup>3</sup> Average annual subscription prices.  
Source: R. R. Bowker Co., New York, NY, *Books, Publishers Weekly*, March, 1987; *The Bowker Annual of Library and Book Trade Information*; *Periodicals, Library Journal*, April 15, 1986, and earlier issues. (Copyright by Reed Publishing.)



**NO. 370. PHONOGRAPH RECORDS AND OTHER RECORDING MEDIA—MANUFACTURERS' SHIPMENTS,  
VALUE, AND NEW PRODUCT RELEASES: 1973 TO 1986**

[Domestic shipments based on reports of manufacturers representing more than 95 percent of the market. Domestic value data based on list prices of records and other media]

TYPE OF MEDIA	1973	1975	1973	1975	1986	1981	1982	1983	1984	1985	1986
<b>UNIT SHIPMENTS<sup>1</sup> (mil.)</b>											
Total	614.6	631.8	738.2	701.8	883.7	835.4	577.7	578.0	675.8	682.8	618.3
Phonograph records	506.0	421.0	531.3	513.8	487.1	448.9	361.1	394.4	336.1	267.7	219.1
Long-playing albums	260.0	257.0	341.3	318.3	322.8	285.2	243.8	208.6	204.6	167.0	125.2
Singles	228.0	184.0	190.0	195.5	164.3	154.7	137.2	124.8	131.5	120.7	85.9
Pre-recorded	106.0	110.8	194.9	187.5	188.6	185.5	186.6	242.8	337.9	342.6	345.2
8-track cartridges	91.0	94.6	133.6	104.7	86.4	48.5	14.3	6.0	5.9	3.5	1.7
Cassettes	15.0	16.2	61.3	82.6	110.2	137.0	182.3	236.8	332.0	339.1	344.5
Compact disks	(X)	(X)	(X)	(X)	(X)	(X)	(X)	.8	5.8	22.6	53.0
<b>MANUFACTURERS' VALUE (mil. dol.)</b>											
Total	2,861.8	2,376.3	4,131.4	3,885.4	3,885.4	3,986.9	3,641.8	3,814.3	4,378.4	4,387.3	4,651.2
Phonograph records	1,436.0	1,066.5	2,733.8	2,411.4	2,558.8	2,588.1	2,208.1	1,958.3	1,847.5	1,581.5	1,211.1
Long-playing albums	1,248.0	1,466.0	2,473.3	2,136.0	2,280.3	2,341.7	1,925.1	1,888.0	1,548.8	1,280.5	983.0
Singles	190.0	211.5	260.3	275.4	260.3	258.4	263.0	268.3	298.7	281.0	228.1
Pre-recorded	565.0	661.6	1,397.8	1,274.0	1,302.8	1,371.8	1,433.5	1,838.8	2,418.6	2,436.8	2,510.0
8-track cartridges	486.0	563.0	848.0	688.4	528.4	308.0	48.0	27.9	36.7	25.3	10.5
Cassettes	76.0	96.8	448.8	604.6	776.4	1,082.6	1,384.5	1,810.9	2,383.9	2,411.5	2,488.5
Compact disks	(X)	(X)	(X)	(X)	(X)	(X)	(X)	17.2	103.3	389.5	830.1
<b>NEW PRODUCT RELEASES</b>											
Total	(NA)	(NA)	12,788	12,835	18,965	6,910	8,486	7,336	8,486	8,915	(NA)
Phonograph records	(NA)	(NA)	7,280	6,925	8,705	5,480	5,375	5,015	4,650	5,480	(NA)
Long-playing albums	(NA)	(NA)	4,170	3,575	3,030	2,610	2,830	2,300	2,170	2,300	(NA)
Singles	(NA)	(NA)	3,110	3,350	3,675	2,860	2,745	2,715	2,850	3,100	(NA)
Pre-recorded	(NA)	(NA)	5,900	5,100	4,250	3,450	3,110	2,125	2,400	2,395	(NA)
8-track cartridges	(NA)	(NA)	2,450	2,075	1,525	885	480	80	-	-	(NA)
Cassettes	(NA)	(NA)	3,050	3,025	2,735	2,465	2,710	2,065	2,480	2,395	(NA)
Compact disks	(X)	(X)	(X)	(X)	(X)	(X)	(X)	380	1,155	1,180	(NA)

- Represents zero. NA Not available. X Not applicable. <sup>1</sup> Units net after returns.

Source: Recording Industry Association of America, Inc., New York, NY, *Inside the Recording Industry: A Statistical Overview—1986 Update* (copyright) and press releases.

**NO. 371. CONSUMER ELECTRONICS—SHIPMENTS AND RETAIL VALUE: 1985 AND 1986**

[Compiled from reports of associations and manufacturers. Shipments represent number of units available for sale in the U.S., including imports. Retail value represents median price of product times the number of units shipped]

PRODUCT	MANUFACTURERS SHIPMENTS (1,000)		RETAIL VALUE (mil. dol.)		PRODUCT	MANUFACTURERS SHIPMENTS (1,000)		RETAIL VALUE (mil. dol.)	
	1985	1986	1985	1986		1985	1986	1985	1986
<b>Video:</b>					<b>Home office—Con.</b>				
TV, B&W	3,745	3,730	367	364	Radar detectors	1,227	1,886	187	263
TV, color	18,894	18,855	7,250	7,632	Radios, citizen band	1,729	1,884	135	146
TV, projection	261	315	437	684	Radios, specialty	6,188	6,154	(NA)	477
Videocassette recorders	11,912	12,885	(NA)	5,057	<b>Telephone equipment:</b>				
Video cameras	402	181	286	118	Cellular telephones	(NA)	265	(NA)	423
Videodisc players	179	125	51	25	Corded telephones	22,403	23,768	953	1,006
<b>Audio/hi-fi:</b>					Cordless telephones	4,076	4,278	380	410
Autobound	21,783	21,825	1,987	2,022	Telephone answering devices	3,308	3,584	371	371
Components	8,800	10,914	1,953	2,041	<b>Computers &amp; videogames:</b>				
Tape decks	836	908	158	178	Monitors	(NA)	950	(NA)	190
Cartridges (excl. OEM)	3,047	2,795	94	88	Personal computers	4,025	3,075	(NA)	2,983
Compact disk players	850	1,384	264	367	Printers	(NA)	1,588	(NA)	1,071
Compact systems	2,112	2,484	433	421	Videogame hardware	(NA)	2,336	(NA)	205
Headphones	3,167	3,425	134	140	Videogame cartridges	(NA)	9,850	(NA)	180
Personal portable stereos	6,972	8,389	(NA)	422	<b>Software:</b>				
Portable tape equipment	27,626	30,835	1,333	1,448	Blank audio cassettes	266,188	268,500	570	451
Packed systems	877	954	528	560	Blank videotape	158,088	192,655	1,132	1,108
Radio	27,528	29,898	806	845	Beta	27,897	29,024	210	170
Speakers (components only)	3,345	3,789	474	535	VHS	128,181	162,631	923	924
<b>Electronics furniture</b>	6,280	6,857	930	1,037	Pre-recorded videotape	43,100	65,441	1,913	2,418
<b>Home office:</b>					Beta	7,430	6,707	301	246
Calculators	33,186	31,316	930	727	VHS	35,670	58,234	1,613	2,160
Hand-held	27,825	25,750	486	283	Videodiscs, lasers	7,200	10,040	(NA)	328
Electronic typewriters	850	2,036	185	446	Blank floppy disks	205,063	425,000	(NA)	880
Facsimile machines	(NA)	181	(NA)	564	Home computer software	(NA)	18,175	(NA)	495

NA Not available.

Source: Dealerscope Merchandising, Philadelphia, PA, *Merchandising: 65th Annual Statistical and Marketing Report*.

## No. 372. SELECTED SPECTATOR SPORTS: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series H 865-870 and H 872]

SPORT	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Baseball, major leagues: <sup>1</sup>										
Attendance	1,000	29,191	30,373	43,746	<sup>2</sup> 27,285	45,415	46,268	45,262	47,742	46,452
Regular season	1,000	28,747	29,788	43,014	<sup>2</sup> 26,544	44,587	45,540	44,742	46,824	47,506
National League	1,000	16,682	16,600	21,124	<sup>2</sup> 12,478	21,507	21,549	20,781	22,292	22,333
American League	1,000	12,065	13,188	21,890	<sup>2</sup> 14,066	23,080	23,991	23,961	24,532	25,173
Playoffs	1,000	191	278	407	403	443	425	248	591	624
World Series	1,000	325	308	325	338	385	304	272	327	322
Players' average salaries <sup>3</sup>	\$1,000	29	45	144	188	241	289	329	371	413
Basketball: <sup>4</sup>										
Men's:										
College: <sup>4</sup>										
Teams	Number	(NA)	(NA)	1,255	1,275	1,264	1,268	1,260	1,266	1,265
Attendance	1,000	(NA)	(NA)	30,692	30,935	31,106	31,471	31,684	32,057	31,845
Women's:										
College:										
Teams	Number	(NA)	(NA)	(NA)	(NA)	1,085	1,114	1,147	1,186	1,186
Attendance	1,000	(NA)	(NA)	(NA)	(NA)	4,203	4,269	4,812	5,440	5,461
Pro: <sup>5</sup>										
Teams	Number	14	18	22	23	23	23	23	23	23
Attendance, total <sup>7</sup>	1,000	4,912	7,591	10,697	10,235	10,732	10,262	11,110	11,491	11,491
Regular season	1,000	4,341	6,892	9,936	9,449	9,989	9,638	10,015	10,506	11,215
Average per game	Number	7,563	9,339	11,017	10,021	10,593	10,220	10,820	11,141	11,693
Playoffs	1,000	556	685	740	765	727	606	1,096	985	979
Players' average salaries	\$1,000	(NA)	(NA)	170	171	212	248	275	325	375
Football:										
College: <sup>6</sup>										
Teams	Number	617	634	642	648	649	651	654	661	666
Attendance	1,000	29,466	31,688	35,541	35,807	36,539	36,302	36,652	36,312	36,388
National Football League: <sup>8</sup>										
Teams	Number	26	26	28	28	28	28	28	28	28
Attendance, total	1,000	10,071	10,799	14,092	14,326	<sup>9</sup> 8,504	13,953	14,053	14,066	17,304
Regular season	1,000	9,533	10,213	13,392	13,607	<sup>9</sup> 7,367	13,277	13,398	13,345	13,582
Average per game	Number	52,381	56,116	59,787	60,745	59,472	59,273	59,813	59,576	60,836
Postseason games <sup>10</sup>	1,000	538	556	700	719	<sup>9</sup> 1,137	876	655	711	734
Players' average salaries <sup>10</sup>	\$1,000	23	40	79	90	102	127	158	193	202
U.S. Football League, attendance <sup>11</sup>	1,000	(X)	(X)	(X)	(X)	(X)	2,681	4,394	3,295	2,380
North American Soccer League: <sup>12</sup>										
Teams	Number	8	20	24	21	14	12	9	(NA)	(NA)
Attendance	1,000	(NA)	1,825	5,194	5,429	3,251	2,869	1,158	(NA)	(NA)
National Hockey League: <sup>13, 14</sup>										
Regular season attendance	1,000	5,992	9,522	<sup>15</sup> 10,534	10,726	10,710	11,021	11,359	11,833	11,621
Playoffs attendance	1,000	482	784	<sup>14</sup> 977	986	1,058	1,008	1,107	1,109	1,152
Players' average salaries <sup>14</sup>	\$1,000	(NA)	(NA)	106	120	124	130	145	145	158
Horseracing: <sup>16, 17</sup>										
Racing days	Number	9,952	13,110	13,133	13,484	13,523	13,545	13,683	13,745	13,853
Attendance	1,000	69,704	78,662	74,890	75,463	75,858	75,693	74,078	73,346	70,580
Parimutuel turnover	Mill. dol.	5,977	7,862	11,218	11,677	11,888	11,733	12,032	12,222	12,421
Revenue to government	Mill. dol.	486	582	713	680	853	639	650	625	567
Greyhound: <sup>18</sup>										
Total performances	Number	3,023	3,980	5,855	5,379	6,499	6,257	6,661	9,590	10,854
Attendance	1,000	12,660	17,458	20,874	21,424	21,375	22,140	22,078	23,853	25,758
Parimutuel turnover	Mill. dol.	730	1,261	2,064	2,173	2,179	2,306	2,421	2,702	3,806
Revenue to government	Mill. dol.	53	91	152	152	160	170	177	201	216
Jai alai: <sup>19</sup>										
Teams	Number	6	9	9	12	12	12	12	12	18
Attendance	1,000	2,247	4,229	3,939	5,453	4,948	4,629	4,678	4,722	6,757

NA Not available. X Not applicable. <sup>1</sup> Source: The National League of Professional Baseball Clubs, New York, NY, *National League Green Book*, and The American League of Professional Baseball Clubs, New York, NY, *American League Red Book*. <sup>2</sup> Season was interrupted by strike. <sup>3</sup> Major League Baseball Players Association, New York, NY. <sup>4</sup> Season ending in year shown. <sup>5</sup> Source: National Collegiate Athletic Assn. Mission, KS. <sup>6</sup> Source: National Basketball Assn., New York, NY. Includes playoffs. <sup>7</sup> Includes All-Star game. <sup>8</sup> Source: National Football League, New York, NY. <sup>9</sup> Includes Pro Bowl, a non-championship game and Super Bowl. <sup>10</sup> National Football League Players Association, Washington, DC. <sup>11</sup> Source: U.S. Football League, New York, NY. <sup>12</sup> Source: North American Soccer League, New York, NY. <sup>13</sup> Source: National Hockey League, Montreal, Quebec. <sup>14</sup> World Hockey Association ceased operation after 1978-1979 season. Four former WHA teams joined NHL in 1979-1980 season. <sup>15</sup> National Hockey League Players Association, Toronto, Canada. <sup>16</sup> Source: National Assn. of State Racing Commissioners, Lexington, KY. <sup>17</sup> Includes Thoroughbred, harness, quarter horse, and jaira. <sup>18</sup> Florida only. Source: National Association of Jai-alai Frontons, Inc., Daytona Beach, FL.

Source: Compiled from sources listed in footnotes.

No. 373. SELECTED RECREATIONAL ACTIVITIES: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 871, H 874, and H 877]

ACTIVITY	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
amateur: <sup>1</sup>										
participants <sup>2</sup> .....	Million.....	16	26	30	30	30	30	35	41	41
participants.....	1,000.....	255	450	650	685	690	700	700	712	715
teams <sup>3</sup> .....	1,000.....	29	66	110	117	133	146	146	152	167
teams <sup>3</sup> .....	1,000.....	2	9	18	20	22	27	29	31	35
round or more) <sup>4</sup> .....	1,000.....	11,245	13,036	15,112	15,566	16,003	16,514	17,009	17,520	20,200
is played.....	1,000.....	268,169	306,562	357,701	368,447	378,791	380,696	402,603	414,777	421,000
ies.....	Number.....	10,188	11,370	12,005	12,035	12,140	12,197	12,278	12,346	12,471
ation:										
.....	Number.....	4,619	4,770	4,839	4,789	4,798	4,808	4,831	4,861	4,918
fee.....	Number.....	4,248	5,014	5,372	5,428	5,494	5,528	5,566	5,573	5,640
ipal.....	Number.....	1,321	1,566	1,794	1,818	1,848	1,890	1,861	1,912	1,913
.....	1,000.....	10,855	<sup>5</sup> 29,201	(NA)	(NA)	<sup>6</sup> 25,450	(NA)	<sup>6</sup> 19,456	<sup>6</sup> 18,951	<sup>6</sup> 18,017
r.....	1,000.....	(NA)	<sup>6</sup> 4,072	(NA)	(NA)	<sup>6</sup> 4,015	(NA)	(NA)	(NA)	(NA)
.....	1,000.....	(NA)	130	(NA)	180	185	200	220	220	220
r.....	1,000.....	(NA)	8	(NA)	11	11	13	14	14	14
wing:										
nts, total <sup>9</sup> .....	Million.....	51.8	62.5	72.0	(NA)	68.9	(NA)	67.0	67.0	67.0
.....	Million.....	24.8	29.9	34.0	(NA)	32.2	(NA)	32.0	32.0	32.0
le.....	Million.....	27.0	32.6	38.0	(NA)	36.7	(NA)	35.0	35.0	35.0
hments <sup>10</sup> .....	Number.....	9,140	8,577	8,591	8,528	8,481	8,404	8,351	8,275	8,149
<sup>9</sup> .....	1,000.....	141	141	154	154	154	154	155	155	153
ship, total <sup>10</sup> <sup>11</sup> .....	1,000.....	7,733	8,751	9,595	9,621	9,550	9,269	8,401	8,064	7,839
can Bowling Con- ss.....	1,000.....	4,210	4,300	4,685	4,645	4,685	4,556	3,791	3,657	3,625
in's Bowling Con- ss.....	1,000.....	2,908	3,692	4,118	4,049	4,085	3,947	3,666	3,714	3,551
g American Bowling ince <sup>12</sup> .....	1,000.....	535	759	789	927	800	765	744	693	663
ture theaters <sup>13</sup> <sup>14</sup> .....	1,000.....	14	15	18	18	18	19	20	21	23
ll.....	1,000.....	10	11	14	15	15	16	17	18	20
.....	1,000.....	4	4	4	3	3	3	3	3	3
s, box office.....	Mill. dol.....	1,225	2,115	2,749	2,966	3,453	3,766	4,031	3,749	3,778
on, average price.....	Dollars.....	1.55	2.05	2.69	2.78	2.94	3.15	3.38	3.55	3.71
nce.....	Million.....	921	1,033	1,022	1,067	1,175	1,197	1,199	1,056	1,017
s										
ic shipments.....	Million.....	5.0	5.6	7.0	6.8	5.1	6.3	5.9	5.8	5.3
.....	Million.....	1.9	1.7	2.0	2.1	1.6	2.7	4.2	5.6	7.0
s										
ional boats owned.....	Million.....	8.8	9.7	11.8	12.5	12.9	13.0	13.5	13.8	14.3
ard boats.....	Million.....	5.2	5.7	6.8	7.0	7.1	7.2	7.3	7.4	7.6
rd boats.....	Million.....	.6	.8	1.2	1.2	1.3	1.3	1.4	1.4	1.5
ats.....	Million.....	.6	.8	1.0	1.0	1.1	1.1	1.1	1.2	1.2
ss.....	Million.....			1.3	1.4	1.5	1.6	1.7	1.8	1.9
oats and other.....	Million.....	2.4	2.4	1.5	1.9	1.9	1.8	1.8	1.8	1.9
tures, total <sup>17</sup> .....	Bill. dol.....	3.4	4.8	7.4	8.3	8.1	9.4	12.3	13.3	14.5
d motors in use.....	1,000.....	7,215	7,649	8,241	8,527	8,776	9,051	9,400	9,733	10,061
sold.....	1,000.....	430	435	315	318	293	337	411	392	410
, retail.....	Mill. dol.....	281	411	554	698	759	964	1,294	1,319	1,464
d boats sold.....	1,000.....	276	328	290	281	236	273	317	305	314
, retail.....	Mill. dol.....	177	263	406	431	409	502	708	759	835
/outdrive boats										
l.....	1,000.....	43	70	56	51	55	79	108	115	120
, retail.....	Mill. dol.....	182	420	616	653	686	975	1,442	1,663	1,661
vehicles:										
s in use or d <sup>18</sup> .....	1,000.....	(NA)	(NA)	(NA)	(NA)	(NA)	1,100	1,600	2,000	2,300
<sup>19</sup> .....	1,000.....	(NA)	(NA)	(NA)	(NA)	275	430	635	683	496
les: <sup>20</sup>										
sales.....	1,000.....	172	144	62	40	29	27	32	30	36
it consumption <sup>21</sup> .....	1,000.....	405	145	88	57	55	53	68	61	64

if available. <sup>1</sup> Source: Amateur Softball Association, Oklahoma City, OK. <sup>2</sup> Amateur Softball Association teams and amateur softball teams. <sup>3</sup> Amateur Softball Association teams only. <sup>4</sup> Source: National Golf Foundation, North Palm Beach, FL. <sup>5</sup> Source: U.S. Tennis Association, Princeton, NJ. <sup>6</sup> Survey by A. C. Nielsen Co. <sup>7</sup> 1976 data. <sup>8</sup> Based on Importing Goods Association Sports Participation Survey. <sup>9</sup> For season ending in year shown. Persons 5 years old and over. <sup>10</sup> Source: National Bowling Council, Washington, DC. <sup>11</sup> Source: American Bowling Congress, Greendale, WI. Season year shown. <sup>12</sup> Membership totals are for U.S., Canada and for U.S. military personnel worldwide. <sup>13</sup> Prior to 1975, figures represent theaters; thereafter, screens. <sup>14</sup> Source: Motion Picture Association of America, Inc., New York, NY. <sup>15</sup> Source: Bicycle Manufacturers Association of America, Inc., Washington, DC. <sup>16</sup> Source: National Marine Manufacturers Association, Chicago, IL. <sup>17</sup> Figures represent estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, docking, moorage, storage, repairs, and other expenses. <sup>18</sup> Source: Specialty Vehicle Institute of America, Costa Mesa, CA. <sup>19</sup> Source: Motorcycle Industry Council, Inc., Costa Mesa, CA. <sup>20</sup> Source: U.S. International Trade Commission. Estimated. <sup>21</sup> Net sales plus imports minus exports.

NO. 374. PARTICIPATION IN SPORTS ACTIVITIES, BY SELECTED CHARACTERISTICS: 1986

[Except as indicated, in percent of participants 7 years of age or older who participated more than once. Based on a sampling of 10,000 households. For composition of regions, see fig. 1, inside front cover]

ACTIVITY	All persons	SEX		AGE						REGION			
		Male	Female	Under 12 yrs.	12-17 yrs.	18-24 yrs.	25-34 yrs.	35-54 yrs.	55 yrs. and over	Northeast	Midwest	South	West
All persons (1,000) .....	214,816	104,098	110,721	16,268	21,029	27,936	42,391	56,116	51,059	46,486	54,907	72,984	40,741
Sports participated in:													
Swimming .....	33.8	32.6	34.9	57.5	56.0	41.8	40.8	28.0	13.4	33.9	34.0	33.6	33.9
Exercise walking .....	24.9	18.3	31.2	10.7	13.4	22.4	27.0	30.7	27.4	21.8	25.0	25.2	27.7
Bicycle riding .....	23.1	22.7	23.5	53.0	47.5	23.9	24.6	17.3	8.4	19.9	26.9	20.5	26.5
Camping (vacation/overnight) .....	19.2	21.3	17.2	29.0	26.0	20.9	27.1	17.8	7.2	13.8	19.5	16.6	29.5
Fishing—fresh water .....	19.0	26.1	12.2	25.7	24.2	20.7	25.2	18.0	9.5	12.6	23.1	19.4	19.8
Bowling (10 pin) .....	15.9	16.9	15.0	13.3	23.1	25.4	21.6	14.0	5.9	16.6	20.9	12.7	14.2
Exercising with equipment .....	14.9	15.3	14.5	3.0	20.8	26.8	21.3	14.5	4.9	12.9	14.7	14.4	18.3
Running/jogging .....	10.8	12.0	9.7	10.3	23.2	18.8	13.9	8.2	1.7	8.8	10.3	10.1	14.9
Aerobic exercising .....	10.2	2.8	17.1	5.1	11.5	16.4	17.0	9.9	2.5	8.9	9.9	9.5	13.1
Basketball .....	9.9	14.4	5.5	16.0	35.4	16.8	9.9	3.7	.2	8.8	10.4	9.8	10.5
Softball .....	9.7	12.4	7.2	11.7	22.1	15.9	15.0	5.9	.5	10.4	11.1	8.9	8.6
Volleyball .....	9.7	9.5	9.8	6.9	24.5	18.5	13.3	6.0	.5	8.9	11.6	8.8	9.5
Hunting/shooting with firearms .....	9.6	17.1	2.5	3.0	12.4	13.4	14.9	10.0	3.4	8.1	10.0	10.0	9.9
Golf .....	9.3	14.3	4.7	2.4	8.8	11.8	11.0	10.2	8.0	8.6	12.1	7.8	9.0
Tennis .....	8.4	9.2	7.6	5.0	19.1	16.9	9.8	6.7	1.1	8.2	8.2	8.5	8.6
Hiking .....	7.9	8.4	7.5	8.0	10.7	9.9	10.8	8.1	3.1	6.8	7.1	5.3	15.1
Calisthenics .....	6.7	6.3	7.1	6.7	14.1	8.8	8.2	5.2	2.9	6.5	6.8	5.6	8.8
Baseball .....	6.5	10.9	2.4	16.6	23.8	9.4	4.7	2.6	.2	7.0	7.0	6.0	6.0
Fishing—salt water .....	5.7	8.1	3.5	3.6	5.8	5.5	7.1	6.4	4.5	6.6	1.5	8.3	5.8
Football .....	5.6	9.5	1.9	8.0	23.4	10.8	4.1	1.6	.3	5.9	6.2	5.3	5.0
Water skiing .....	5.5	6.6	4.5	3.4	10.5	10.5	8.9	3.8	.5	3.1	6.1	6.1	6.6
Skiing—alpine/downhill .....	4.5	5.7	3.4	2.8	9.0	9.8	5.9	3.6	.3	6.2	3.2	2.7	7.6
Soccer .....	3.8	5.1	2.6	18.3	16.3	2.9	1.2	.8	-	5.1	3.5	2.9	4.6
Backpacking/wilderness camping .....	3.7	5.4	2.2	3.0	7.6	5.8	5.6	2.9	.5	3.4	3.0	3.0	6.3
Racquetball .....	3.6	5.1	2.3	1.0	5.0	8.3	5.9	2.9	.4	3.4	3.9	3.2	4.3
Archery .....	2.4	4.0	.8	3.7	8.4	3.3	2.8	1.0	.1	2.5	3.1	1.9	2.2
Skiing—cross country .....	2.2	2.1	2.3	2.4	2.9	1.9	3.1	2.7	.8	3.4	3.8	.4	2.0

- Rounds to less than .05.  
Source: National Sporting Goods Association, Mt. Prospect, IL, *Sports Participation in 1986: Series 1*. (Copyright.)

### NO. 375. ADULT PARTICIPATION IN LEISURE TIME ACTIVITIES, BY SELECTED TYPE: 1986

(early Dec. 1986. Based on national sample survey of 1,600 households conducted by the Gallup Organization, Inc.)

OF ACTIVITY	Num- ber (mil.)	Per- cent <sup>1</sup>	TYPE OF ACTIVITY	Num- ber (mil.)	Per- cent <sup>1</sup>	TYPE OF ACTIVITY	Num- ber (mil.)	Per- cent <sup>1</sup>
Weight lifting (incl.) <sup>2</sup>	75	43	Weight lifting (incl.) <sup>2</sup>	37	21	Table tennis	20	15
Calisthenics	60	36	Calisthenics	36	20	Body building	24	14
Volleyball	56	33	Volleyball	34	20	Hunting	24	14
Basketball	48	28	Basketball	34	19	Frisbee	22	13
Bicycle touring, racing	44	26	Bicycle touring, racing	31	18	Golf	21	12
Motorboating	44	25	Motorboating	31	18	Tennis	21	12
Aerobics, dancing	44	25	Aerobics, dancing	26	16	Canoeing, rowing	19	11
Baseball	38	22	Baseball	26	16	Target shooting	19	11
Weight lifting	38	22	Weight lifting	26	16	Roller skating	17	10

all of U.S. adults 18 years and over. <sup>2</sup> Any form of weight training, including weight lifting, body building, Nautilus. <sup>1</sup> The National Gardening Association, Burlington, VT, unpublished data. Based on data from the Gallup Organization, Inc.

### NO. 376. HOME GARDENING—SUMMARY: 1975 TO 1986

national sample survey conducted by the Gallup Organization. Prior to 1985, survey respondents were questioned only about their own gardening activities. Beginning in 1985, respondents were questioned about activities of all household members. <sup>1</sup> 1986 survey, a total of 2,506 adults were interviewed. Subject to sampling variability; see source.]

ITEM	1975	1980	1985	1986	CHARACTERISTIC OF RESPONDENT	1986, PERCENT WITH—		
						Vegeta- ble garden	Flower garden	Lawn care
Adults with vegetable garden (mil.)	36	34	33	34	18-29 years old	31	33	50
Percent of total	46	43	37	36	30-49 years old	39	47	64
					50 years and over	43	46	57
Size of garden (sq. ft.)	540	683	300	325	Northeast	33	41	52
Cost per garden (dol.)	258	480	(NA)	278	Midwest	30	53	70
Cost per garden (dol.)	30	50	(NA)	41	South	33	34	54
					West	37	46	63
If households—					Central city	26	32	46
own gardens	56	57	41	44	Suburb	33	44	56
not in lawn care	56	52	64	58	Small town	32	38	60
growing fruits or berries	12	21	24	30	Rural	61	54	71
door houseplants	40	40	42	41				

<sup>1</sup> The National Gardening Association, Burlington, VT, *National Gardening Survey*, annual. (Copyright.)

### NO. 377. SPORT FISHING AND HUNTING LICENSES—NUMBER AND COST: 1970 TO 1986

total years ending in year shown; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 675-676.]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1986
Licenses: Sales	Million	31.1	34.7	34.0	32.8	35.4	35.2	37.9	37.2	37.8	38.1	35.7
Cost	Million	25.8	30.0	29.0	27.9	30.3	30.1	32.8	32.1	32.5	31.0	30.5
Resident	Million	4.3	4.7	5.0	4.9	5.1	5.1	5.3	5.1	5.3	5.1	5.2
License holders <sup>1</sup>	Million	24.4	27.5	27.3	26.2	27.9	26.0	29.3	29.6	29.1	29.0	29.7
Anglers	Mil. dol.	91	142	156	159	174	196	213	227	244	260	262
Boat licenses: Sales	Million	22.2	25.9	25.4	25.8	26.4	27.0	27.9	28.3	28.9	28.5	27.7
Cost	Million	21.0	24.7	24.1	24.4	25.0	25.6	26.4	26.7	27.2	25.8	26.1
Resident	Million	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.7	1.8
License holders <sup>1</sup>	Million	15.4	16.6	16.2	16.3	16.6	16.3	16.6	16.7	16.4	16.0	15.9
Hunters	Mil. dol.	102	156	173	185	199	222	242	259	277	292	301
Stuck stamps sold	1,000	2,873	2,222	2,167	2,209	2,216	2,060	2,045	1,967	1,826	1,886	1,914

resident and nonresident. Includes multiple counting of license holders who bought nonresident licenses as well as a home stamp.

<sup>1</sup> U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual.

## NO. 378. SPORTSMEN—SELECTED CHARACTERISTICS: 1980 AND 1985

[Covers persons 16 years old and over. Sportsmen are anyone who fished or hunted. Based on the National Survey of Fishing, Hunting, and Wildlife-Associated Recreation conducted by the Bureau of the Census. For composition of divisions, see fig. 1, inside front cover.]

CHARACTERISTIC	NUMBER (1,000)		PERCENT OF POPULATION WHO PARTICIPATED		CHARACTERISTIC	NUMBER (1,000)		PERCENT OF POPULATION WHO PARTICIPATED	
	1980	1985, prel.	1980	1985, prel.		1980	1985, prel.	1980	1985, prel.
Total persons <sup>1</sup>	46,713	50,800	27	28	New England	1,900	2,065	20	21
16-17 years old	2,208	2,583	50	33	Middle Atlantic	5,044	5,573	18	19
18-24 years old	5,939	7,487	43	29	East North Central	8,713	8,999	28	29
25-34 years old	8,985	13,825	48	35	West North Central	4,718	5,120	37	39
35-44 years old	6,051	11,173	47	33	South Atlantic	7,902	8,804	26	29
45-54 years old	4,249	8,399	39	27	East South Central	3,851	3,728	34	33
55-64 years old	3,419	5,306	34	23	West South Central	5,800	6,438	33	33
65 years old and over	2,388	3,946	24	14	Mountain	2,806	3,159	33	33
Male	33,243	34,918	41	41	Pacific	6,177	6,525	25	24
Female	13,469	15,884	15	18	Household income				
White	43,181	46,788	29	30	Under \$10,000	7,060	5,173	20	
Black	2,709	2,526	15	14	\$10,000-\$19,999	12,248	10,711	30	
Other races	843	1,208	18	19	\$20,000-\$24,999	7,754	4,968	35	
					\$25,000-\$29,999	5,848	7,841	36	
					\$30,000-\$49,999	6,574	13,378	34	
					\$50,000-\$74,999	1,691	4,158	29	30
					\$75,000 and over		2,264		30

<sup>1</sup> Includes not reported, not shown separately.

Source: U.S. Fish and Wildlife Service and U.S. Bureau of the Census, 1980 and 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, forthcoming report.

## NO. 379. SELECTED CHARACTERISTICS OF FISHERMEN AND HUNTERS: 1985

[Preliminary data. See headnote, table 378.]

TYPE OF FISHING	FISHERMEN		Days of fish- ing (mil.)	Expendi- tures (mil. dol.)	TYPE OF HUNTING	HUNTERS		Days of hunt- ing (mil.)	Expendi- tures (mil. dol.)
	Num- ber (1,000)	Per- cent of popu- lation				Num- ber (1,000)	Per- cent of popu- lation		
Total, all fishing <sup>1</sup>	46,809	26	993	28,186	Total, all hunting <sup>1</sup>	16,690	8	336	10,982
All freshwater fishing	40,185	22	831	19,556	Big game	12,520	7	131	6,088
Freshwater, except Great Lakes	38,615	21	792	17,988	Small game	10,831	6	132	1,983
Great Lakes	3,908	2	49	1,568	Migratory bird	5,036	3	11	1,072
Saltwater	14,121	8	160	7,275	Other animals	2,837	2	47	382

<sup>1</sup> Type of fishing/hunting will not add to the total since each respondent may report under more than one category.

Source: U.S. Fish and Wildlife Service, 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, forthcoming report.

## NO. 380. WILDLIFE-ASSOCIATED RECREATION EXPENDITURES, BY TYPE OF ACTIVITY AND EXPENDITURE: 1985

[Preliminary data. See headnote, table 378.]

TYPE OF EXPENDITURE	EXPENDITURES (mil. dol.)				EXPENDITURE PER PARTICIPANT (dol.)			
	Total <sup>1</sup>	Fishing	Hunt- ing	Non- con- sump- tive <sup>2</sup>	Total <sup>1</sup>	Fishing	Hunt- ing	Non- con- sump- tive <sup>2</sup>
Total <sup>2</sup>	55,480	28,186	10,982	14,271	111	606	606	168
Food and lodging	10,047	5,650	1,884	2,514	71	121	113	19
Transportation	7,019	3,718	1,812	1,689	50	80	97	13
Other trip costs	4,327	3,860	218	229	31	83	13	2
Licenses, tags, permits	811	392	418	(NA)	6	6	25	(NA)
Equipment	9,445	2,784	3,045	3,616	67	80	162	27
Accessory equipment	1,517	481	388	607	11	10	24	4
Special equipment	16,713	10,267	1,609	5,234	140	220	90	39

NA: Not available. <sup>1</sup> Includes expenditures not specified by type of activity. <sup>2</sup> Observing, photographing, and feeding wildlife. <sup>3</sup> Includes expenditures for magazines, membership dues and contributions, and land leasing and ownership not shown separately.

Source: U.S. Fish and Wildlife Service, 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, forthcoming report.

**No. 381. BOY SCOUTS AND GIRL SCOUTS—MEMBERSHIP AND UNITS: 1960 TO 1966**

Includes Boy Scouts as of Dec. 31; Girl Scouts as of Sept. 30. Current age requirements for each category are in parentheses. Includes Puerto Rico and outlying areas.

ITEM	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>BOY SCOUTS OF AMERICA</b>												
Members	5,165	5,733	6,267	5,316	4,265	4,318	4,355	4,542	4,866	4,756	4,846	5,171
Units (8 yr old)	3,783	4,231	4,663	3,933	3,175	3,207	3,244	3,425	3,567	3,657	3,755	4,097
Units (7-10 yr old)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	84	124	145	169	280
Units (11-17 yr old)	1,865	2,084	2,436	1,997	1,716	1,696	1,643	1,609	1,569	1,493	1,499	1,714
Units (14-20 yr old) <sup>1</sup>	1,647	1,850	1,916	1,503	1,058	1,084	1,101	1,126	1,116	1,078	1,053	1,042
Units (14-20 yr old) <sup>1</sup>	271	317	329	434	402	447	499	606	758	941	1,024	1,021
Units (14-20 yr old) <sup>1</sup>	1,382	1,502	1,604	1,365	1,108	1,110	1,111	1,117	1,122	1,098	1,090	1,134
Units (14-20 yr old) <sup>1</sup>	130	145	157	150	129	129	130	132	134	135	134	132
<b>GIRL SCOUTS OF THE U.S.A.</b>												
Members	3,419	3,647	3,922	3,234	2,861	2,784	2,829	2,819	2,966	2,971	2,902	2,917
Units (8 yr old)	2,846	3,030	3,248	2,723	2,389	2,250	2,276	2,247	2,281	2,247	2,172	2,248
Units (8-11 yr old)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	61	114
Units (12-14 yr old)	(x)	1,072	1,259	1,160	1,206	1,116	1,110	1,120	1,163	1,172	1,128	1,168
Units (15-17 yr old)	(x)	1,416	1,509	1,188	928	894	916	874	847	801	736	725
Units (18-20 yr old)	(x)	443	395	301	193	172	170	169	178	170	151	143
Units (18-20 yr old)	(x)	99	85	74	52	46	45	41	40	40	40	41
Units (18-20 yr old)	773	617	674	511	572	534	553	572	607	624	630	669
Units (18-20 yr old)	164	153	184	169	157	154	157	160	165	166	166	174

1 Both girls and boys are members. 2 Beginning 1979, includes girls registered in other categories, not separately. 3 Comparable data not available.

Boy Scouts of America, National Council, Irving, TX, Annual Report; and Girl Scouts of the United States of America, NY, Annual Report.

**12. PARTICIPATION RATES FOR VARIOUS ARTS PERFORMANCES AND LEISURE ACTIVITIES BY SELECTED CHARACTERISTICS: 1985**

Percent of population 18 years old and over who participated at least once in the 12 months prior to the survey. Based on the Leisure Activities Survey conducted by the Bureau of the Census.

CHARACTERISTIC	ATTENDED AT LEAST ONCE						Visited at least once—art museum or gallery	Read—novel, short stories, poetry, or plays
	Jazz performance	Classical music performance	Opera performance	Musical plays	Plays	Ballet performance		
<b>Age</b>	19	13	3	17	12	4	22	56
Under 18	14	11	2	15	11	4	22	57
18-24	15	12	2	16	12	5	26	59
25-34	10	16	4	21	14	6	27	62
35-44	8	15	4	20	13	3	22	57
45-54	5	11	3	18	10	4	19	50
55-64	3	13	3	13	10	4	16	50
65 and over	1	10	1	6	7	2	10	46
<b>Sex</b>	10	11	2	15	11	3	21	46
Male	9	14	3	19	12	5	23	63
Female	9	14	3	16	12	5	23	59
<b>Marital status</b>	13	6	1	9	6	2	11	44
Married	6	15	4	13	6	5	24	50
Never married	8	13	4	20	14	5	21	57
Divorced	10	15	1	17	11	4	21	55
Widowed	9	10	2	13	10	4	19	61
Remarried	12	15	4	19	13	5	30	66
<b>Income, 1984:</b>								
Under \$10,000	8	9	2	10	6	3	16	44
\$10,000-\$14,999	7	7	1	8	4	2	12	43
\$15,000-\$24,999	6	6	1	11	6	3	15	50
\$25,000-\$34,999	6	11	2	12	9	4	19	53
\$35,000-\$49,999	11	15	3	22	14	5	26	63
\$50,000 and over	19	30	8	37	26	11	45	77
Not stated	9	12	2	17	11	3	19	56
<b>Education</b>								
High school or less	1	3	1	3	1	1	4	23
Some college	3	3	1	6	4	1	7	37
College graduate	7	7	1	12	6	2	14	62
Postgraduate	13	15	3	21	15	6	30	72
Postgraduate school	16	29	6	34	26	9	46	78
Postgraduate school	24	41	11	40	36	15	56	80

U.S. National Endowment for the Arts, Survey of Public Participation in the Arts, forthcoming.



No. 383. PERFORMING ARTS—SELECTED DATA: 1970 TO 1986

[Receipts and expenditures in millions of dollars. For season ending in year shown, except as indicated]

ITEM	1970	1975	1975	1975	1980	1981	1982	1983	1984	1985	1986
Legitimate theater: <sup>1</sup>											
Broadway shows:											
New productions.....	62	59	54	47	67	67	53	50	36	31	33
Playing weeks <sup>2 3</sup> .....	1,047	1,101	1,360	1,472	1,541	1,545	1,461	1,259	1,119	1,062	1,049
Number of tickets sold (1,000).....	(NA)	(NA)	8,621	9,115	9,380	10,822	10,694	8,102	7,698	7,156	6,527
Gross box office receipts.....	53.3	57.4	103.8	128.1	143.4	194.5	221.2	263.1	226.5	208.0	190.6
Road shows:											
Playing weeks <sup>3</sup> .....	1,024	799	1,025	1,192	1,351	1,343	1,317	990	1,057	993	983
Gross box office receipts.....	48.0	50.9	106.0	146.9	181.2	218.9	249.5	184.3	208.2	225.9	235.6
Opera companies <sup>4</sup> .....	648	807	956	956	990	1,019	983	1,031	1,061	1,123	1,176
Major.....	35	54	78	95	109	127	133	144	154	166	170
Expenditures.....	38.5	(NA)	96.3	111.5	133.6	161.6	191.1	212.4	236.7	256.5	270.3
Other companies.....	266	335	458	456	458	456	416	486	491	576	602
Workshops.....	347	418	420	415	419	436	444	399	406	379	404
Opera performances.....	4,779	6,428	7,808	8,554	9,391	9,663	9,510	10,663	10,421	10,642	11,080
Operas performed.....	341	387	448	496	497	559	571	590	576	576	660
Musical performances <sup>5</sup> .....	(NA)	(NA)	908	1,430	1,397	2,251	2,233	2,749	2,787	4,983	6,993
Musicals performed <sup>6</sup> .....	(NA)	(NA)	43	72	104	118	122	120	129	242	301
World premieres.....	17	16	42	64	79	88	94	96	101	121	116
Attendance (mil.).....	4.6	8.0	9.8	9.9	10.7	11.1	10.1	12.7	13.0	14.1	14.4
Symphony orchestras <sup>6</sup> .....	1,441	1,463	1,470	1,540	1,572	1,572	1,572	1,572	1,572	1,572	1,572
College.....	296	300	278	379	385	385	385	366	380	371	371
Community <sup>7</sup> .....	1,019	1,003	950	909	926	926	919	920	937	946	927
Urban.....	24	41	76	79	85	85	94	101	89	89	93
Metropolitan.....	72	90	106	113	115	115	110	96	96	96	107
Regional.....	( <sup>8</sup> )	( <sup>8</sup> )	29	29	29	30	34	37	40	40	43
Major.....	28	29	31	31	32	31	30	30	30	30	31
Concerts.....	6,599	14,171	18,027	22,096	22,229	19,327	19,204	19,167	19,066	19,969	20,272
Attendance (mil.).....	12.7	18.3	21.4	22.4	22.6	22.8	22.0	22.0	23.2	23.7	25.4
Gross income.....	73.3	124.5	178.1	216.8	246.3	288.9	325.5	348.9	379.0	435.4	480.5
Earned income.....	43.1	70.9	102.5	122.6	141.2	163.3	187.6	201.8	220.2	250.7	282.4
Contributed income.....	30.2	53.6	75.6	94.2	105.1	125.6	137.9	147.1	158.8	184.7	198.1
Gross expenses.....	76.4	129.5	183.1	221.0	252.1	289.3	315.3	352.2	369.8	441.8	491.2

NA Not available. <sup>1</sup> Source: *Variety*, New York, NY, various June issues (copyright). <sup>2</sup> All shows (new productions and holdovers from previous seasons). <sup>3</sup> Eight performances constitute one playing week. <sup>4</sup> Source: Central Opera Service, New York, NY, *Central Opera Service Bulletin*, periodic. Major companies have annual budgets of \$100,000 or more and issue American Guild of Musical Artists (AGMA) contracts to soloists. Workshops are primarily college and university opera groups. <sup>5</sup> Covers not-for-profit companies only. <sup>6</sup> Source: American Symphony Orchestra League, Inc., Washington, DC. For years ending Aug. 31. Orchestras other than college groups are principally defined by their annual budgets: As of 1986, community, under \$135,000; urban, \$135,000–\$285,000; metropolitan, \$285,000–\$1,000,000; regional, \$1,000,000–\$3,800,000; and major, over \$3,800,000. Prior to 1984, other budget classifications were in effect. <sup>7</sup> Beginning 1978, includes youth and chamber groups with budgets under \$70,000. <sup>8</sup> Classification began in 1976.

Source: Compiled from sources listed in footnotes.

No. 384. FINANCIAL SUPPORT OF THE ARTS BY PRIVATE CORPORATE BUSINESS—SUMMARY:  
1983 TO 1985

[In millions of dollars]

TYPE OF ART CATEGORY	1983	1984	1985	TYPE OF ART CATEGORY	1983	1984	1985
Direct cash support.....	451.6	482.4	559.0	Historic and cultural preservation projects.....	8.4	9.7	11.9
Museums.....	99.6	104.5	133.2	Libraries.....	4.2	4.8	6.8
Symphony orchestra.....	61.0	68.8	79.8	Commercial TV and radio, cultural programming.....	6.0	6.5	6.8
Performing arts and cultural facilities.....	82.0	52.0	59.4	Public TV and radio, general support....	7.4	16.5	4.5
Theaters.....	23.0	67.2	49.5	Crafts.....	.3	2.3	1.8
Art funds—general support.....	9.2	28.5	37.9	Artist-in-residence programs.....	.6	1.1	1.9
Other music.....	20.7	25.3	30.2	Poetry and writing.....	.4	1.4	1.9
Dance.....	18.2	20.7	25.4	Video projects (non-commercial).....	.4	.2	.2
Public TV and radio, program under-writing.....	14.8	17.9	23.6	Folk art.....	.2	-	-
Opera.....	48.0	24.8	22.7	Other (excluding commercial activities).....	23.7	12.7	38.9
Films (non-commercial).....	9.7	15.7	13.2				
Arts-in-education programs.....	13.6	3.8	11.8				

— Represents or rounds to zero.

Source: Business Committee for the Arts, New York, NY, press release.

## NO. 385. ARTS AND HUMANITIES—SELECTED FEDERAL AID PROGRAMS: 1970 TO 1986

[In millions of dollars, except as indicated. For fiscal years ending in year shown, see text, section 8]

TYPE OF FUND AND PROGRAM	1970	1975	1979	1986	1981	1983	1983	1984	1983	1986
<b>National Endowment for the Arts:</b>										
Funds available <sup>1</sup>	15.7	86.8	179.8	188.1	151.8	123.4	147.5	189.9	171.7	167.1
Program appropriation	8.3	67.3	102.1	97.0	114.0	103.3	101.7	119.0	118.7	115.7
Matching funds <sup>2</sup>	2.0	7.5	37.5	42.9	34.9	14.2	24.8	27.4	29.5	30.0
Grants awarded (number)	556	3,071	5,080	5,505	6,475	5,080	5,174	5,055	4,801	4,484
Funds obligated	12.9	61.7	178.4	166.4	150.7	117.7	127.0	147.4	149.4	148.6
Music	2.5	14.8	18.4	13.6	18.2	14.1	12.8	15.2	15.3	14.6
State arts agencies	1.9	14.7	22.8	22.1	23.7	21.3	21.1	24.6	24.4	23.8
Museums	(NA)	10.8	11.8	11.2	13.2	11.5	10.0	12.5	11.8	11.5
Theater	2.6	8.4	6.3	8.4	10.8	9.6	9.5	10.7	10.6	10.2
Dance	1.7	6.1	8.1	8.0	9.1	8.5	9.1	9.1	9.0	9.0
Public media	2	5.4	9.4	8.4	12.8	10.1	9.3	9.5	9.9	12.3
Challenge <sup>3</sup>	(0)	(x)	58.8	50.8	15.0	14.4	14.0	18.8	20.7	20.7
Visual arts	1.0	3.2	4.7	7.3	7.5	6.5	5.8	6.6	6.2	5.7
Other	2.8	20.1	37.3	35.6	42.4	35.8	35.1	40.6	41.3	38.6
<b>National Endowment for the Humanities:</b>										
Funds available <sup>1</sup>	13.0	86.0	188.9	186.2	144.4	*120.9	*123.5	127.3	125.8	121.1
Program appropriation	8.1	67.3	85.3	100.3	108.5	90.4	90.4	97.8	95.2	81.9
Matching funds <sup>2</sup>	2.0	6.5	36.5	36.4	33.5	28.8	27.9	29.5	30.4	27.3
Grants awarded (number)	542	1,330	2,589	2,917	2,780	2,143	1,828	2,523	2,241	2,287
Funds obligated	10.5	73.1	185.1	185.5	144.4	116.8	123.3	127.6	125.7	121.1
Education programs	4.2	17.1	20.0	18.3	17.3	13.0	14.7	19.3	17.9	14.8
State programs	(0)	(x)	24.7	26.0	26.0	22.8	24.0	26.0	24.4	24.1
Research grants	2.0	13.4	32.2	32.0	25.5	25.7	23.1	24.1	24.4	21.0
Fellowship program	1.7	10.9	16.8	18.0	17.5	18.5	14.1	15.0	15.3	14.4
Challenge <sup>3</sup>	(0)	(0)	55.8	53.5	24.0	20.7	21.8	18.3	19.6	18.2
General programs	(0)	(0)	(0)	(0)	(0)	18.2	24.9	24.3	24.1	24.7
National Capital Arts and Cultural Affairs Program	(0)	(x)	(x)	(0)	(0)	(x)	(0)	(x)	(x)	1.9
Other	2.6	31.6	35.6	37.7	34.0	.9	.7	.7	(0)	(0)

NA Not available. X Not applicable. <sup>1</sup> Includes other funds, not shown separately. Excludes administrative funds. Gifts included through 1980; excluded thereafter. <sup>2</sup> Represents Federal funds appropriated only upon receipt or certification by recipient of matching non-Federal gifts. <sup>3</sup> Program designed to stimulate new sources and higher levels of giving to institutions for the purpose of guaranteeing long-term stability and financial independence. Program requires a match of 3 private dollars to each Federal dollar. Funds for challenge grants are not allocated by program area because they are awarded on a merit-by-merit basis. <sup>4</sup> Excludes \$5.2 million reappropriated to challenge grants in 1983. <sup>5</sup> Includes reappropriated funds from 1982.

Source: U.S. National Endowment for the Arts, *Annual Report*; and U.S. National Endowment for the Humanities, *Annual Report*.

## NO. 385. STATE LEGISLATIVE APPROPRIATIONS FOR STATE ARTS AGENCIES: 1980 TO 1987

[For fiscal years ending in year shown. Fiscal years for most States ended June 30]

STATE	1980, total (\$1,000)	1985, total (\$1,000)	1986, total (\$1,000)	1987		STATE	1980, total (\$1,000)	1985, total (\$1,000)	1986, total (\$1,000)	1987	
				Total (\$1,000)	Per capita <sup>1</sup> (dol.)					Total (\$1,000)	Per capita <sup>1</sup> (dol.)
<b>Total</b>	<b>101,029</b>	<b>181,413</b>	<b>196,822</b>	<b>218,806</b>	<b>.82</b>	NV	87	124	174	179	19
AL	525	1,000	1,045	821	.23	NH	153	129	323	337	34
AK	1,675	5,295	4,001	2,190	4.20	NJ	3,333	6,217	10,301	13,453	1.78
AZ	233	617	1,010	1,142	.36	NM	209	700	714	699	.48
CA	848	796	836	970	.41	NY	33,285	39,088	44,219	48,591	2.73
CO	7,891	10,422	11,793	12,535	.48	NC	1,379	2,821	3,836	4,051	.65
CT	609	829	971	1,808	.50	ND	101	175	238	238	.36
DE	1,306	1,122	1,479	1,886	.53	OH	4,709	5,785	7,483	9,089	.85
FL	123	450	496	604	.87	OK	552	1,586	1,821	1,535	.47
GA	356	1,278	1,765	2,368	3.78	OR	335	458	487	505	.19
HI	2,378	9,045	9,761	12,710	1.12	PA	2,594	5,585	6,724	7,780	.68
IA	1,102	1,720	2,201	2,888	.45	RI	358	419	444	600	.62
ID	1,545	1,582	2,170	2,282	2.17	SC	941	1,858	2,556	2,772	.83
IL	88	125	131	194	.13	SD	155	251	284	267	.41
IN	2,246	5,848	6,559	8,758	.76	TN	517	719	*3,616	1,383	.29
IO	1,277	1,450	1,831	1,837	.33	TX	1,215	4,240	4,846	2,884	.18
KS	313	492	523	732	.25	UT	1,088	1,400	1,588	1,631	.69
LA	262	488	598	561	.23	VT	108	228	243	285	.50
ME	857	1,536	1,564	1,983	.53	VA	1,230	1,748	1,948	2,980	.52
MA	857	1,133	1,205	713	.16	WA	579	1,747	1,879	1,708	.39
MD	180	325	420	474	.41	WV	1,583	1,849	2,117	2,242	1.18
MI	1,345	1,796	1,909	4,776	1.09	WI	719	988	1,152	1,149	.24
MINN	2,300	13,803	16,379	18,286	3.14	WY	63	145	145	189	.33
MISS	8,076	8,817	10,292	11,428	1.26	Am. Samoa	43	48	45	47	1.33
MO	2,845	2,265	2,503	2,753	.86	GU	74	215	305	305	2.56
MS	307	436	486	412	.16	No.					
MONT	2,531	3,067	6,904	4,194	.63	Marianas	-	25	25	40	2.15
NE	93	703	649	900	1.09	PR	4,980	5,853	7,781	13,484	4.13
NH	309	635	563	563	.36	VI	103	144	104	104	.88

- Represents zero. <sup>1</sup> Based on enumerated resident population as of July 1, 1985. <sup>2</sup> Includes \$2.5 million one-time gift.

Source: National Assembly of State Arts Agencies, Washington, DC, unpublished data.

## NO. 387. INTERNATIONAL TRAVELERS AND EXPENDITURES—SUMMARY: 1970 TO 1985

[For coverage, see tables 389 and 390. See also *Historical Statistics, Colonial Times to 1970*, series H 921, 928, 941, and 1

YEAR	TRAVEL AND PASSENGER FARE PAYMENTS BY U.S. TRAVELERS		TRAVEL AND PASSENGER FARE RECEIPTS FROM FOREIGN VISITORS		U.S. net travel and passenger payments (mil. dol.)	U.S. travelers abroad (1,000)	For visit the (1)
	Total (mil. dol.)	Expenditures abroad (mil. dol.)	Total (mil. dol.)	Travel receipts (mil. dol.)			
1970	5,185	3,980	2,706	2,331	-2,487	5,280	
1971	5,883	4,373	2,959	2,534	-2,704	5,887	
1972	6,638	5,042	3,311	2,817	-3,327	6,790	
1973	7,318	5,526	4,130	3,412	-3,188	6,933	
1974	8,075	5,980	4,845	4,032	-3,230	6,467	
1975	8,880	6,417	5,464	4,697	-3,216	6,354	
1976	8,424	6,858	6,679	5,742	-2,748	6,897	
1977	10,188	7,451	7,175	6,150	-3,024	7,380	
1978	11,371	8,475	8,421	7,183	-2,960	7,780	
1979	12,587	9,413	10,118	8,441	-2,478	7,835	
1980	14,004	10,387	12,850	10,588	-1,364	8,183	
1981	15,888	11,479	15,486	12,813	-478	8,040	
1982	17,188	12,394	15,085	12,383	-2,081	8,510	
1983	19,040	13,558	13,832	11,408	-5,108	9,828	
1984	21,951	15,448	13,881	11,383	-8,000	11,252	
1985	23,795	16,482	14,171	11,675	-9,624	12,308	
1986, pre <sup>1</sup>	24,488	17,827	15,924	12,913	-8,545	11,562	

<sup>1</sup> Includes passenger fares not shown separately.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

## NO. 388. PASSPORTS, BY SEX AND AGE OF TRAVELER: 1970 TO 1985

[In thousands. Total passports are actual count; all other data based on a sample and prorated to total passports. Data is number of passports issued, not travelers. Excludes passport renewals. A single passport may cover more than one stay more than one person. See also *Historical Statistics, Colonial Times to 1970*, series H 899-920]

SEX AND AGE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total passports	2,218	2,729	2,415	2,334	2,517	3,107	3,234	3,170	3,020	3,222	3,764	4,122	4,718		
Male	1,124	1,321	1,155	1,128	1,354	1,486	1,555	1,543	1,497	1,552	1,849	1,984	1,988		
Female	1,095	1,408	1,260	1,206	1,463	1,611	1,679	1,627	1,523	1,670	1,915	2,138	2,730		
Under 20 years	382	497	448	405	480	511	541	587	516	524	621	663	708		
20-29 years	507	564	491	458	530	586	580	581	541	567	634	637	748		
30-39 years	293	376	348	345	432	489	535	547	533	584	665	698	694		
40-49 years	358	431	371	347	423	452	472	465	437	470	544	613	742		
50-59 years	341	434	383	384	484	527	545	508	474	483	552	636	701		
60 years and over	380	427	374	395	488	552	561	504	519	584	748	873	887		

Source: U.S. Dept. of State, Bureau of Consular Affairs, *Summary of Passport Statistics*, annual.

## NO. 389. FOREIGN TRAVEL TO THE U.S.—TRAVELERS AND RECEIPTS: 1970 TO 1986

[Travelers in thousands; expenditures in millions of dollars. Includes travelers for business and pleasure, foreigners in through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States. Travelers from overseas excludes Canada and Mexico. See also *Historical Statistics, Colonial Times to 1970*, series H 945-951]

AREA OF ORIGIN	1970	1975	1979	1980	1981	1982	1983	1984	1986
Travelers from overseas	2,288	3,874	7,230	8,200	9,089	8,761	7,873	7,827	7,538
Western Europe	984	1,500	3,135	3,700	4,170	3,778	3,020	2,981	2,905
Caribbean, Central America	484	478	855	850	853	907	1,218	995	1,014
South America	318	438	985	1,200	1,382	1,278	1,055	771	782
Japan	207	747	1,085	2,450	2,684	2,798	2,580	2,778	2,837
Other	295	511	1,150						
Total receipts	2,331	4,887	8,441	10,588	12,813	12,383	11,408	11,353	11,876
Canada	859	1,561	2,092	2,501	2,672	2,624	3,188	3,082	3,048
Mexico	583	1,311	1,975	2,522	3,775	3,098	1,951	1,905	2,012
U.S. border area	520	972	1,285	1,614	2,547	2,308	1,457	1,519	1,588
Western Europe	318	611	1,867	2,192	2,548	2,478	2,157	2,229	2,285
Caribbean, Central America	170	208	375	423	488	525	684	604	632
South America	184	303	793	1,083	1,273	1,209	1,091	879	981
Japan	101	410	898	824	848	1,084	1,128	1,294	1,411
Other	136	295	840	1,083	1,228	1,317	1,229	1,350	1,376
Fares to U.S. carriers <sup>1</sup>	377	767	1,677	2,082	2,575	2,692	2,524	2,538	2,481

<sup>1</sup> Includes fares paid to and from the United States only.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

D. U.S. TRAVEL TO FOREIGN COUNTRIES—TRAVELERS AND EXPENDITURES: 1970 TO 1986

in thousands; expenditures in millions of dollars, except as indicated. Covers residents of United States and Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series H 921-940]

ITEM AND AREA	1970	1975	1973	1985	1981	1982	1982	1984	1985	1985, prel.
Foreign travelers <sup>1</sup> .....	5,390	6,354	7,835	8,183	8,040	8,910	9,628	11,252	12,309	11,562
Destination:										
Mediterranean .....	2,898	3,185	4,088	3,934	3,931	4,144	4,780	5,760	6,457	5,126
length of stay (days).....	27	24	20	21	(NA)	(NA)	19	17	18	(NA)
and Central America .....	1,663	2,065	2,533	2,624	2,453	2,637	2,989	3,313	3,497	3,800
Africa .....	249	447	434	594	567	529	535	557	553	616
.....	450	657	800	1,011	1,089	1,200	1,324	1,622	1,802	2,020
Expenditures abroad .....	3,980	6,417	9,413	10,387	11,479	12,394	13,556	15,449	16,482	17,627
.....	1,018	1,306	1,599	1,817	2,070	1,936	2,160	2,416	2,694	3,242
.....	778	1,637	2,480	2,584	2,662	3,324	3,618	3,599	3,531	3,879
in areas .....	2,184	3,474	5,354	6,016	6,547	7,134	7,778	9,434	10,257	10,506
Mediterranean .....	1,425	1,918	3,185	3,412	3,587	3,787	4,201	5,171	5,857	5,315
per trip <sup>2</sup> (dollars).....	490	602	783	667	912	914	882	897	(NA)	(NA)
per day (dollars).....	18.15	25.19	39.15	41.28	(NA)	(NA)	48.42	52.76	(NA)	(NA)
and Central America .....	390	787	1,019	1,134	1,277	1,349	1,428	1,766	1,830	2,077
Africa .....	90	242	288	392	383	380	408	357	365	407
.....	97	131	142	185	214	272	276	400	458	738
.....	182	396	720	693	1,088	1,346	1,465	1,720	1,747	1,989

available. <sup>1</sup> Excludes the following: Travel to Canada and Mexico; travel between contiguous United States and Alaska, Puerto Rico, and Virgin Islands; cruise travelers; military personnel and other Government employees and their families stationed abroad, and U.S. citizens residing abroad. <sup>2</sup> Excludes transatlantic passenger fares.

S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

D1. AIR TRAVEL BETWEEN THE UNITED STATES AND FOREIGN COUNTRIES: 1980 TO 1986

1a. Covers passengers on international commercial flights arriving at and departing from U.S. airports. Excludes traffic between U.S. and Canada, border crossers, crewmen, and military personnel. Travelers between U.S. ports in the 50 States, Alaska, Guam, or the Virgin Islands; and any other outlying area are included. Data compiled from flight reports of U.S. Customs and Naturalization Service. Selection of countries based on minimum of 145,000 arrivals in 1986, except for Greece, which is included from earlier years. For related data, see also *Historical Statistics, Colonial Times to 1970*, series C 296-331]

COUNTRY AND AREA	ARRIVALS					DEPARTURES				
	1980	1983	1984	1985	1986	1980	1982	1984	1985	1986
Passengers .....	20,262	20,840	23,212	24,154	25,908	19,256	19,724	21,808	22,487	23,175
by carrier:										
Foreign .....	10,031	10,698	11,623	11,797	12,254	9,369	9,866	10,531	10,696	10,711
U.S. .....	10,231	10,142	11,589	12,357	13,354	9,886	9,837	11,076	11,791	12,464
Embarkation or disembarkation:										
Foreign .....	227	242	277	277	313	245	201	223	232	281
The Americas .....	1,123	1,344	1,373	1,503	2,466	1,006	1,075	1,063	1,151	1,206
Europe .....	135	167	211	216	218	126	166	212	204	213
Africa .....	242	250	242	281	316	231	226	216	249	285
Asia .....	497	439	441	434	500	467	394	395	389	396
Oceania .....	300	306	321	352	433	291	303	304	322	397
Mexico .....	113	154	187	208	254	90	128	167	187	219
Caribbean .....	315	309	265	279	281	299	302	290	294	270
Central America .....	267	230	239	241	247	254	219	235	254	261
South America .....	468	532	575	606	705	443	490	479	528	626
Other .....	689	705	795	955	906	635	656	748	894	870
Crewmen .....	121	144	170	173	199	112	135	160	161	175
Border crossers .....	208	234	265	187	66	190	222	234	210	91
Military personnel .....	133	159	175	192	179	124	144	156	169	163
Other .....	228	217	295	270	304	152	184	263	238	267
Total .....	220	222	256	274	300	212	196	212	233	268
Other .....	189	233	255	294	187	168	228	278	255	236
Other .....	537	572	849	662	506	495	561	847	680	475
Other .....	429	682	712	707	851	382	601	616	607	778
Other .....	1,624	1,696	2,267	2,435	2,612	1,602	1,854	2,127	2,255	2,420
Other .....	2,886	2,691	2,901	2,719	2,843	2,886	2,670	2,808	2,674	2,878
Other .....	427	467	558	583	589	409	458	513	562	557
Other .....	327	370	426	407	465	282	321	346	395	416
Other .....	150	146	168	180	176	142	184	194	209	201
Other .....	194	158	165	145	144	160	133	166	165	177
Other .....	234	249	290	390	509	166	212	244	333	423
Other .....	312	376	418	419	304	273	350	378	397	302
Other .....	312	314	427	452	416	306	327	409	434	416
Other .....	2,973	2,812	3,222	3,480	3,215	2,840	2,667	3,103	3,322	3,063
Other .....	533	312	255	248	259	518	321	257	245	257
Other .....	1,175	1,223	1,404	1,582	1,582	1,178	1,220	1,419	1,539	1,569
Other .....	2,674	2,683	2,987	3,025	3,219	2,534	2,574	2,746	2,720	2,999

where passenger boarded/deboarded a direct flight to/from the U.S.  
U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *U.S. International Air Travel Statistics*.

## NO. 392. NONIMMIGRANTS ADMITTED, BY CLASS OF ADMISSION: 1970 TO 1986

[In thousands, except as noted. Except as noted, for fiscal years ending in year shown; see text, section 10. Nonimmigrants are non-resident aliens (non-U.S. citizens) admitted to the U.S. for a temporary period. Included in this group are visitors for business and pleasure, students and their spouses and children, foreign government officials, exchange visitors and their spouses and children, international representatives, treaty traders and investors, representatives of foreign information media, fiancée(s) of U.S. citizens and their children, officials of the North Atlantic Treaty Organization (NATO) and aliens in transit. Most classes include spouses and unmarried minor (or dependent) children accompanying or following to join the alien. Excludes are border crossers, crewmen, and insular travelers. See also *Historical Statistics, Colonial Times to 1970*, series C 149-157]

CLASS OF ADMISSION	1970	1973	1981	1982	1982 <sup>1</sup>	1984	1985	1986
Nonimmigrants	4,451.9	7,083.9	<sup>2</sup> 11,798.9	<sup>2</sup> 11,779.4	9,946.4	9,426.6	8,875.7	10,997.1
Temporary visitors, total	3,345.2	5,587.4	10,060.6	10,627.6	8,532.2	8,218.0	8,405.4	9,279.6
Percent of total	75.5	78.9	85.6	90.2	85.6	87.2	94.9	87.5
For pleasure	3,020.4	5,080.0	9,515.2	9,401.1	6,785.4	6,594.6	6,806.6	7,342.0
For business	324.8	527.4	1,135.4	1,226.4	1,746.8	1,623.4	1,798.8	1,937.6
Returning resident aliens <sup>3</sup>	483.5	800.0	(0)	(0)	(0)	(0)	(0)	(0)
Transit aliens <sup>4</sup>	231.9	273.0	214.1	188.5	269.0	236.4	236.5	243.9
Foreign government officials <sup>5</sup>	50.5	66.4	64.7	61.1	62.6	66.4	90.2	69.7
Treaty traders and investors <sup>6</sup>	19.2	35.0	60.8	64.7	62.8	60.5	65.5	103.7
Students <sup>7</sup>	107.3	118.0	271.9	294.6	318.2	259.5	285.5	288.2
Representatives to international organizations <sup>8</sup>	23.8	32.6	54.2	55.0	68.5	68.5	67.2	59.4
Temporary workers and industrial trainees	66.5	67.3	54.9	63.9	63.2	79.6	87.5	96.1
Workers of distinguished merit and ability	11.1	15.6	(NA)	(NA)	39.9	42.5	47.3	54.4
Other temporary workers	55.3	51.7	(NA)	(NA)	23.5	37.1	40.2	41.7
Industrial trainees	5.3	3.8	(NA)	(NA)	3.0	2.9	5.0	2.8
Their spouses and children	.8	10.6	10.1	11.5	10.6	10.6	12.6	13.7
Representatives of foreign information media <sup>9</sup>	4.7	6.1	18.7	13.5	16.3	19.1	16.8	16.9
Exchange visitors <sup>10</sup>	66.6	63.4	108.0	115.4	118.5	120.9	141.2	163.0
NATO officials <sup>11</sup>	2.3	4.0	7.1	6.6	6.8	7.8	6.3	7.0
Fiancée(s) of U.S. citizens <sup>12</sup>	1	6.4	6.2	7.5	7.2	7.1	7.8	8.1
Intracompany transferees <sup>13</sup>	.4	22.3	65.0	61.0	104.6	103.6	108.9	108.0
Parolees <sup>14</sup>	(0)	(0)	(0)	(0)	51.5	47.6	47.5	45.9
Refugees	(0)	(0)	(0)	(0)	62.9	66.5	69.0	51.2
Other	(0)	(0)	(0)	(0)	34.6	23.1	20.3	39.1

NA Not available. X Not applicable. <sup>1</sup> Calendar year. <sup>2</sup> Includes nonimmigrants admitted whose class was unknown. <sup>3</sup> For 1970-1979, returning resident aliens who had once been counted as immigrants were included with nonimmigrants. Since 1981, data no longer collected. <sup>4</sup> Includes foreign government officials and their spouses and (unmarried minor or dependent) children, in transit. <sup>5</sup> Includes spouses and children. <sup>6</sup> Includes children of fiancée(s) of U.S. citizens. <sup>7</sup> Aliens allowed to enter the U.S. for a temporary period of time on emergency conditions or when the entry is determined to be in the public interest (e.g., witness in court).

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

## NO. 393. NONIMMIGRANTS ADMITTED, BY COUNTRY OF LAST PERMANENT RESIDENCE: 1983 TO 1986

[In thousands. For years ending September 30, except as noted. For definition of nonimmigrants, see table 392. Students and others entering with multiple entry documents are only counted on the first admission. Changes in reporting requirements affect reporting of nonimmigrants especially from Canada and Mexico]

COUNTRY	1983 <sup>1</sup>	1984	1985	1986	COUNTRY	1983 <sup>1</sup>	1984	1985	1986
Total	9,946	9,437	9,576	10,997	Europe <sup>2</sup>	3,280	3,214	3,144	3,288
Americas <sup>3</sup>	3,296	2,902	3,048	3,168	Austria	48	50	51	58
Argentina	95	84	89	181	Belgium	73	66	67	62
Bahamas, The	274	216	231	254	Denmark	52	55	59	79
Brazil	215	175	201	252	France	336	364	359	469
Canada	183	161	159	150	Germany	445	573	543	609
Colombia	257	172	188	180	Greece	47	50	52	69
Dominican Republic	112	90	88	87	Ireland	67	67	73	81
Ecuador	50	48	53	63	Italy	223	236	241	277
Guatemala	95	88	71	72	Netherlands	156	144	140	186
Haiti	87	75	80	80	Norway	70	71	71	85
Jamaica	160	116	127	147	Poland	16	29	47	66
Mexico	996	823	954	822	Portugal	22	25	27	39
Panama	69	57	56	56	Soviet Union <sup>4</sup>	6	6	6	6
Paraguay	80	66	60	63	Spain	120	104	104	118
Trinidad and Tobago	121	98	90	76	Sweden	118	122	122	141
Venezuela	285	186	173	148	Switzerland	158	161	155	169
Asia <sup>5</sup>	2,512	2,486	2,546	2,832	United Kingdom	1,082	1,000	925	1,186
China <sup>6</sup>	137	147	186	190	Yugoslavia	17	20	22	26
Hong Kong	102	104	101	113	Africa	198	250	179	196
India	72	62	66	94	Australia and New Zealand	311	328	347	369
Iran	22	30	42	32	Other countries and unknown	488	517	580	609
Israel	114	116	116	137					
Japan	1,335	1,442	1,556	1,663					
Korea	77	82	93	103					
Philippines	93	107	109	113					

<sup>1</sup> Calendar year. <sup>2</sup> Includes countries not shown separately. <sup>3</sup> Includes Taiwan. <sup>4</sup> Europe and Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

## No. 304. TRAVEL BY U.S. RESIDENTS BY SELECTED TRIP CHARACTERISTIC: 1961 TO 1966

(In millions. Represents trips to places 100 miles or more away from home)

CHARACTERISTIC	TRIPS						PERSON-TRIPS					
	1961	1962	1963	1964	1965	1966	1961	1962	1963	1964	1965	1966
Total	887.2	837.3	840.9	826.2	858.4	862.3	1,152.0	1,086.5	1,067.8	1,012.0	1,077.8	1,121.8
Purpose:												
Visit friends and relatives	201.3	191.3	181.9	180.3	208.8	214.7	421.0	400.8	384.8	384.5	430.8	442.5
Other pleasure	167.4	160.4	166.6	170.4	177.6	200.3	412.3	377.7	401.4	349.7	378.0	418.8
Business or convention	113.6	101.9	103.8	114.5	133.3	140.0	157.3	152.4	146.4	156.1	185.2	189.0
Other	84.9	63.7	65.6	63.0	40.7	37.3	181.4	129.4	125.4	121.7	85.8	71.1
Mode of transport:												
Auto, truck, recreation vehicle	486.2	415.7	388.1	380.9	376.1	405.8	967.4	881.5	838.8	784.0	797.7	832.1
Airplane	99.9	94.6	116.2	118.6	140.5	143.4	144.0	144.8	174.2	174.5	217.3	231.0
Other	31.1	27.0	28.6	26.6	41.8	43.3	50.6	42.9	43.8	43.5	62.8	58.4
Vacation trip	340.2	314.6	307.6	333.3	339.8	354.3	737.9	680.2	642.3	689.8	726.7	752.4
Weekend trip	259.0	238.4	225.5	211.4	224.0	252.0	645.7	595.3	485.0	434.9	470.1	513.5

Source: U.S. Travel Data Center, Washington, DC, 1966 National Travel Survey, annual. (Copyright.)

## No. 305. BUSINESS RECEIPTS AND EMPLOYMENT OF SELECTED TRAVEL INDUSTRY SECTORS: 1973 TO 1986

YEAR	BUSINESS RECEIPTS (mil. dol.)							EMPLOYMENT (1,000)					
	Travel industry, total	Transportation			Motel, hotel	Eating and drinking places	Amusement and recreation services	Travel industry, total	Transportation		Eating and drinking places	Hotels, motels, and tourist courts	Amusement and recreation services
		Air <sup>1</sup>	Bus	Rail <sup>2</sup>					Inter-city high-way passengers	Air			
1973	77,579	8,518	1,023	202	10,955	40,402	18,478	4,812.2	41.3	386.7	3,053.8	807.7	543.7
1974	87,214	9,903	1,152	246	11,757	44,673	19,483	5,018.4	42.4	387.8	3,231.2	823.5	553.9
1975	98,840	10,301	1,172	257	13,002	51,067	21,061	6,226.5	38.9	382.8	3,379.5	849.5	598.8
1976	110,155	12,104	1,232	268	15,129	57,211	24,213	5,501.6	36.6	373.8	3,658.2	885.2	636.8
1977	121,085	13,773	1,331	281	16,413	63,276	26,811	5,951.0	37.4	386.3	3,948.6	913.0	685.7
1978	136,356	15,753	1,420	287	20,070	71,724	27,102	6,375.2	36.1	407.9	4,277.2	945.6	708.4
1979	158,257	18,931	1,684	365	25,229	81,990	30,078	6,719.9	36.7	438.2	4,513.1	1,019.9	712.0
1980	175,447	23,317	1,943	415	28,632	89,924	33,018	6,918.3	37.9	463.4	4,625.8	1,037.7	783.5
1981	194,789	25,504	2,089	468	31,572	97,909	37,207	7,102.2	38.1	454.6	4,749.5	1,076.4	783.8
1982	204,096	25,442	2,103	468	32,749	104,427	38,912	7,205.8	38.8	443.6	4,831.2	1,092.8	799.2
1983	222,401	27,347	2,211	515	35,897	114,684	41,747	7,481.3	35.5	455.2	5,041.8	1,131.1	817.7
1984	241,784	31,181	2,241	567	38,917	124,541	44,327	7,938.7	37.3	488.5	5,388.0	1,221.3	803.6
1985	257,915	32,247	2,229	605	41,837	133,243	47,754	8,399.3	35.7	519.0	5,713.1	1,293.0	838.5
1986	275,586	32,900	2,140	631	45,895	142,900	51,100	8,750.5	36.3	569.5	5,919.8	1,331.8	813.1

NA Not available. <sup>1</sup> U.S. certificated carriers in domestic service. <sup>2</sup> Covers fiscal years October 1 through September 30.

Source: U.S. Travel Data Center, Washington, DC, The 1985-86 Economic Review of Travel in America. (Copyright.)

## No. 306. DOMESTIC TRAVEL EXPENDITURES BY STATE: 1984 AND 1985

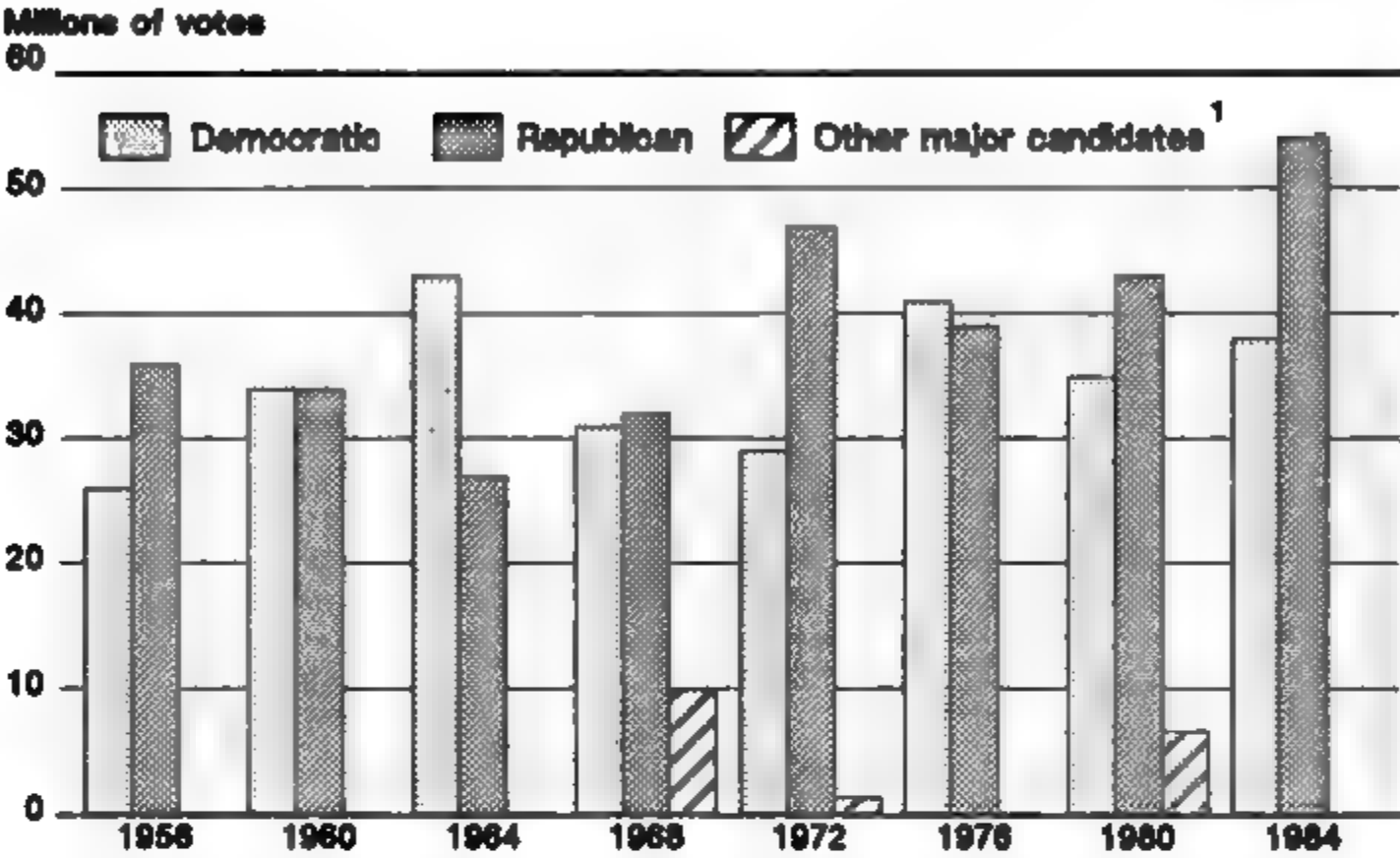
(In millions of dollars, except percent. Represents U.S. spending on domestic overnight trips and day trips of 100 miles or more away from home. Excludes spending by foreign visitors and by U.S. residents in U.S. territories and abroad)

STATE	1984	1985	Percent change, 1984-1985	STATE	1984	1985	Percent change, 1984-1985	STATE	1984	1985	Percent change, 1984-1985
U.S. total	223,318	242,443	8.6	KY	2,225	2,280	2.9	ND	629	648	3.1
AL	1,753	1,753	0.0	LA	3,742	3,790	1.3	OH	6,433	6,849	6.5
AK	919	919	0.0	ME	1,632	1,730	12.9	OK	2,788	2,902	4.1
AZ	3,845	4,389	14.2	MO	3,808	4,348	14.2	OR	2,303	2,482	8.9
AR	1,822	1,870	2.6	MA	5,243	5,886	8.1	PA	8,375	9,321	11.3
CA	28,652	32,607	13.9	MI	6,298	7,172	14.1	RI	431	466	13.2
CO	4,638	5,005	7.9	MN	4,955	5,209	5.1	SC	3,019	3,366	12.2
CT	2,428	2,635	8.5	MS	1,254	1,309	9.2	SD	562	576	4.4
DE	556	600	10.8	MO	4,705	4,876	3.8	TN	3,333	3,758	12.7
DC	1,144	1,232	7.7	MT	726	742	2.1	TX	15,017	15,886	4.6
FL	17,881	18,642	5.4	NE	1,262	1,280	2.2	UT	1,761	1,852	5.2
GA	4,882	5,222	7.4	NV	6,458	6,912	7.0	VT	1,182	1,228	3.9
HI	2,532	2,781	9.8	NH	1,504	1,582	5.2	VA	4,710	5,305	12.6
ID	936	975	4.2	NJ	11,441	12,038	13.0	WA	3,452	3,837	11.1
IL	7,792	8,882	11.2	NY	1,726	1,804	4.5	WV	1,271	1,288	2.2
IN	2,775	2,885	3.9	NC	15,728	16,538	5.2	WI	3,886	4,085	5.4
IA	1,788	1,818	1.7		5,251	5,888	12.1	WY	779	805	3.3
KS	1,734	1,882	8.6								

Source: U.S. Travel Data Center, Washington, DC, Impact of Travel on State Economies, 1984 and 1985. (Copyright.)

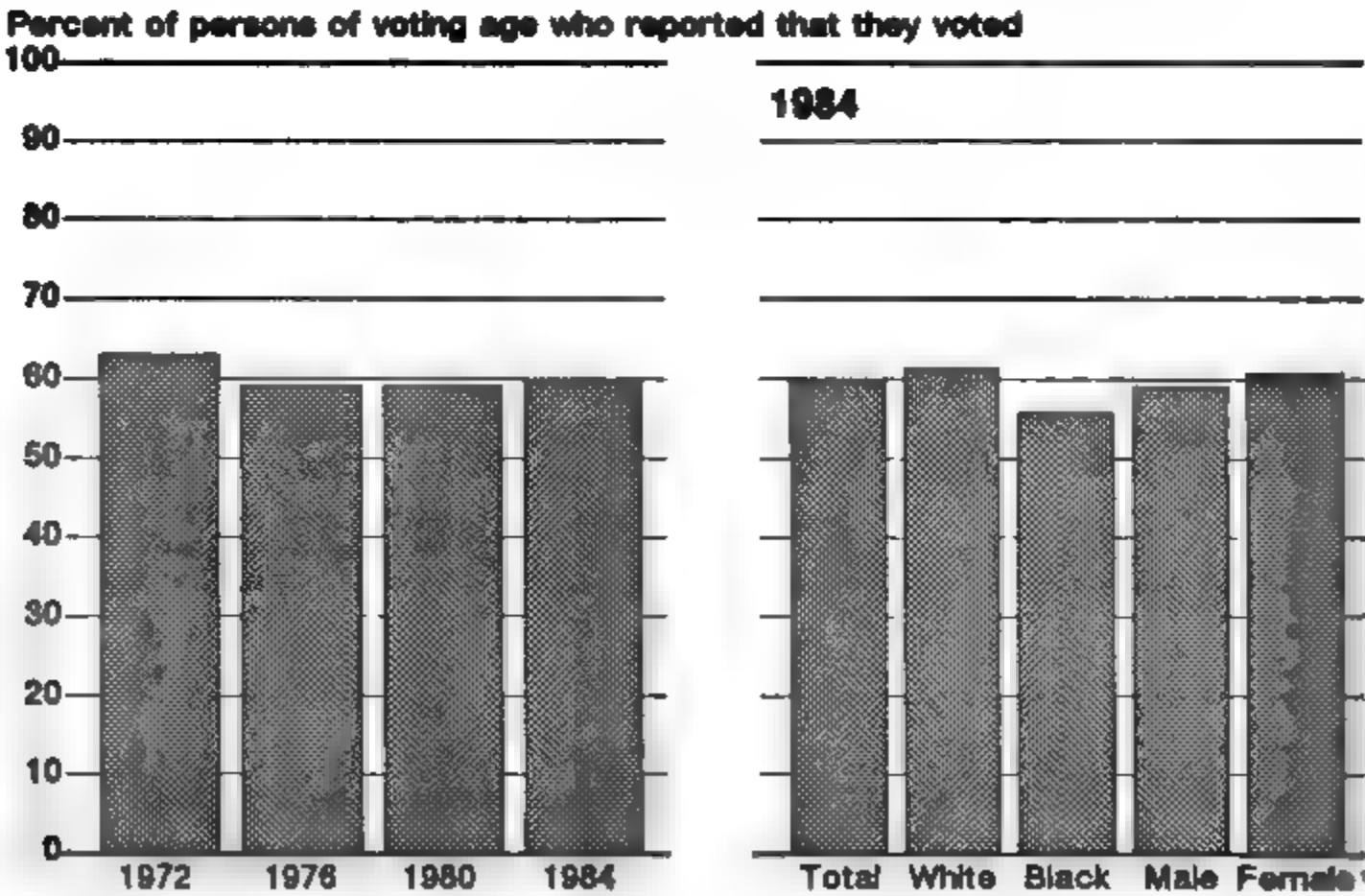


**Figure 8.1**  
**Popular Vote Cast for President, by Major Party: 1956 to 1984**



<sup>1</sup> 1968 and 1972—American Independent; 1980—John Anderson  
Source: Chart prepared by U.S. Bureau of the Census. For data see table 397.

**Figure 8.2**  
**Voter Participation in Presidential Elections: 1972 to 1984**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 415.





## Section 8

# Elections

This section relates primarily to Presidential, congressional, and gubernatorial elections. Also presented are summary tables on congressional legislation, State legislatures, Black, Hispanic, and female officeholders, population of voting age, voter participation, and campaign finances.

Official statistics on Federal elections, collected by the Clerk of the House, are published biennially in *Statistics of the Presidential and Congressional Election* and *Statistics of the Congressional Election*. Federal and State elections data appear also in *America Votes*, a biennial volume of the Elections Research Center, Washington, DC. Federal elections data also appear in the U.S. Congress, *Congressional Directory*, and in official State documents. Data on reported registration and voting are obtained by the U.S. Bureau of the Census as part of the Current Population Survey (CPS) and are published in *Current Population Reports*, series P-20 (see text, section 1).

Almost all Federal, State, and local governmental units in the United States conduct elections at various intervals for different offices and other purposes. The conduct of elections is regulated by State laws or, in some cities and counties, by local charter. An exception is that the U.S. Constitution prescribes the basis of representation in Congress and the manner of electing the President, and grants to Congress the right to regulate the times, places, and manner of electing Federal officers. Amendments to the Constitution have prescribed national criteria for voting eligibility. The 15th Amendment, adopted in 1870, gave all citizens the right to vote regardless of race, color, or previous condition of servitude. The 19th Amendment, adopted in 1919, further extended the right to vote to all citizens regardless of sex. The payment of poll taxes as a prerequisite to voting in Federal elections was banned by the 24th Amendment in 1964. In 1971, as a result of the 26th Amendment, eligibility to vote in national elections was extended to all citizens, 18 years old and over.

**Presidential election.**—The Constitution specifies how the President and Vice President are selected. Each State elects, by popular vote, a group of electors equal in number to its total of members of Congress. Subsequent to the election, the electors meet in their respective States to vote for President and Vice President. Usually, each elector votes for the candidate receiving the most popular votes in his or her State. A majority vote of all electors is necessary to elect the President and Vice President. If no candidate receives a majority, the House of Representatives, with each State having one vote, is empowered to elect the President and Vice President, again, with a majority of votes required.

The 22d Amendment to the Constitution, adopted in 1951, limits presidential tenure to 2 elective terms of 4 years each, or to 1 elective term for any person who, upon succession to the Presidency, has held the office or acted as President for more than 2 years. The 23d Amendment, adopted in 1961, grants the District of Columbia 3 presidential electors, a number equal to that of the least populous State.

**Congressional election.**—The Constitution provides that Representatives be apportioned among the States according to their population; that a census of population be taken every 10 years as a basis for apportionment; and that each State have at least 1 Representative. At the time of each apportionment, Congress decides what the total number of Representatives will be. Since 1912, the total has been 435, except during 1960 to 1962 when it increased to 437, adding 1 Representative each for Alaska and Hawaii. The total reverted to 435 after reapportionment following the 1980 census. Members are elected for 2-year terms, all terms covering the same period. The District of Columbia, American Samoa, Guam, and the Virgin Islands each elect one nonvoting Delegate and Puerto Rico elects a nonvoting Resident Commissioner.

The Senate is composed of 100 members, 2 from each State, who are elected to serve for a term of 6 years. One-third of the Senate is elected every 2 years. Senators were originally chosen by the State legislatures. The 17th Amendment to the Constitution, adopted in 1913, prescribed that Senators be elected by popular vote.

**Voter eligibility and participation.**—The Census Bureau publishes estimates of the population of voting age and the percent casting votes in each State for Presidential and congressional elec-

tion years. These voting-age estimates include a number of persons who meet the age requirement but are not eligible to vote, (e.g. aliens and some institutionalized persons). In addition, since 1964, voter participation and voter characteristics data have been collected during November of election years as part of the CPS. These survey data include noncitizens in the voting age population estimates, but exclude members of the Armed Forces and the institutional population.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

NO. 397. VOTE CAST FOR PRESIDENT, BY POLITICAL PARTIES: 1920 TO 1984

[Prior to 1960, excludes Alaska and Hawaii; prior to 1964, excludes DC. Vote cast for major party candidates includes the votes of minor parties cast for those candidates. See also *Historical Statistics, Colonial Times to 1970*, series Y 79-83 and Y 135]

YEAR	CANDIDATES FOR PRESIDENT		VOTE CAST FOR PRESIDENT						
	Democratic	Republican	Total popular vote <sup>1</sup> (1,000)	Democratic			Republican		
				Popular vote		Elec- toral vote	Popular vote		Elec- toral vote
				Number (1,000)	Per- cent		Number (1,000)	Per- cent	
1920 .....	Cox .....	Harding .....	26,768	9,133	34.1	127	16,153	60.3	404
1924 .....	Davis .....	Coolidge .....	29,095	8,367	28.8	136	15,720	54.0	382
1928 .....	Smith .....	Hoover .....	36,806	15,006	40.8	87	21,437	58.2	444
1932 .....	F. D. Roosevelt .....	Hoover .....	39,766	22,829	57.4	472	15,760	39.8	59
1936 .....	F. D. Roosevelt .....	Landon .....	45,654	27,757	60.8	523	16,664	36.5	8
1940 .....	F. D. Roosevelt .....	Willkie .....	49,900	27,313	54.7	449	22,348	44.8	82
1944 .....	F. D. Roosevelt .....	Dewey .....	47,977	25,613	53.4	432	22,018	45.9	99
1948 .....	Truman .....	Dewey .....	48,794	24,179	49.6	303	21,991	45.1	159
1952 .....	Stevenson .....	Eisenhower .....	61,551	27,315	44.4	89	33,936	55.1	442
1956 .....	Stevenson .....	Eisenhower .....	62,027	26,023	42.0	73	35,590	57.4	457
1960 .....	Kennedy .....	Nixon .....	68,836	34,227	49.7	303	34,106	49.5	219
1964 .....	Johnson .....	Goldwater .....	70,645	43,130	61.1	486	27,178	38.5	52
1968 .....	Humphrey .....	Nixon .....	73,212	31,275	42.7	191	31,765	43.4	301
1972 .....	McGovern .....	Nixon .....	77,719	29,170	37.5	17	47,170	60.7	520
1976 .....	Carter .....	Ford .....	81,556	40,831	50.1	297	39,148	48.0	240
1980 .....	Carter .....	Reagan .....	86,515	35,484	41.0	49	43,904	50.7	489
1984 .....	Mondale .....	Reagan .....	92,653	37,577	40.6	13	54,455	58.8	526

YEAR	VOTE CAST FOR PRESIDENT—Con.	YEAR	VOTE CAST FOR PRESIDENT—Con.
	LEADING OTHER CANDIDATES		LEADING OTHER CANDIDATES—Con.
1920 .....	Eugene Debs, Socialist, 915,490. P. P. Christensen, Farmer-Labor, 265,229.	1952 .....	Vincent Hallinan, Progressive, 140,023. Stuart Hamblen, Prohibition, 72,949.
1924 .....	Robert LaFollette, Progressive, 4,832,532. Herman P. Faria, Prohibition, 56,292.	1956 .....	T. Coleman Andrews, States' Rights, 111,178. Eric Hase, Socialist Labor, 44,450.
1928 .....	Norman Thomas, Socialist, 265,563. Verne L. Reynolds, Socialist Labor, 21,566.	1960 .....	Eric Hase, Socialist Labor, 47,522. Rutherford Decker, Prohibition, 46,203.
1932 .....	Norman Thomas, Socialist, 884,649. William Z. Foster, Communist, 103,253.	1964 .....	Eric Hase, Socialist Labor, 45,219. Clifton DeBerry, Socialist Workers, 32,720.
1936 .....	William Lemke, Union, 892,267. Norman Thomas, Socialist, 187,833.	1968 .....	George Wallace, American Independent, 9,906,473. Henning Blomen, Socialist Labor, 52,568.
1940 .....	Norman Thomas, Socialist, 116,410. Roger Babeon, Prohibition, 58,708.	1972 .....	John Schmitz, American, 1,099,482. Benjamin Spock, People's, 78,756.
1944 .....	Norman Thomas, Socialist, 79,003. Claude Watson, Prohibition, 74,799.	1976 .....	Eugene McCarthy, Independent, 756,691. Roger MacBride, Libertarian, 173,011.
1948 .....	Strom Thurmond, States' Rights, 1,176,125. Henry Wallace, Progressive, 1,157,326.	1980 .....	John Anderson, Independent, 5,720,060. Ed Clark, Libertarian, 921,299.
		1984 .....	David Bergland, Libertarian, 228,314 Lyndon H. LaRouche, Independent, 78,607

<sup>1</sup> Includes votes for minor party candidates, independents, unpledged electors, and scattered write-in votes.  
Source: Elections Research Center, Washington, DC, *America at the Polls*, 1965, and *America Votes*, biennial, (copyright).

**NO. 306. ELECTORAL VOTE CAST FOR PRESIDENT, BY MAJOR POLITICAL PARTY—STATES:  
1844 TO 1984**

(D=Democratic, R=Republican. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 64-134.)

Region, Division, and State	1844	1848 <sup>1</sup>	1852	1856 <sup>2</sup>	1860 <sup>3</sup>	1864	1868 <sup>4</sup>	1872 <sup>5</sup>	1876 <sup>6</sup>	1880	1884
<b>Democratic</b>	432	308	89	73	303	486	181	17	287	46	13
<b>Republican</b>	99	188	442	457	219	82	321	526	240	489	525
<b>Northeast:</b>											
Democratic	130	20	-	-	121	128	102	14	86	4	-
Republican	8	118	133	133	12	-	24	108	36	118	113
<b>Midwest:</b>											
Democratic	73	101	-	13	71	149	31	-	58	10	10
Republican	82	54	153	140	82	-	118	145	87	135	127
<b>South:</b>											
Democratic	167	117	89	80	101	121	45	3	149	31	3
Republican	-	11	77	105	50	47	77	165	20	136	174
<b>West:</b>											
Democratic	52	85	-	-	10	90	13	-	4	4	-
Republican	9	8	79	79	75	6	82	102	97	98	111
<b>New England:</b>											
ME	R-5	R-5	R-5	R-5	R-5	D-4	D-4	R-4	R-4	R-4	R-4
NH	D-4	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
VT	R-3	R-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3
MA	D-16	D-16	R-16	R-16	D-16	D-14	D-14	D-14	D-14	R-14	R-13
RI	D-4	D-4	R-4	R-4	D-4	D-4	D-4	R-4	D-4	D-4	R-4
CT	D-8	R-8	R-8	R-8	R-8	D-8	D-8	R-8	R-8	R-8	R-8
<b>Middle Atlantic:</b>											
NY	D-47	R-47	R-45	R-45	D-45	D-43	D-43	R-41	D-41	R-41	R-38
NJ	D-16	R-16	R-16	R-16	D-16	D-17	R-17	R-17	R-17	R-17	R-16
PA	D-35	R-35	R-32	R-32	D-32	D-29	D-29	R-27	D-27	R-27	R-25
<b>East North Central:</b>											
OH	R-25	D-25	R-25	R-25	R-25	D-23	R-26	R-26	D-26	R-26	R-23
IN	R-13	R-13	R-13	R-13	R-13	D-13	R-13	R-13	R-13	R-13	R-12
IL	D-26	D-26	R-27	R-27	D-27	D-26	R-26	R-26	R-26	R-26	R-24
MI	D-19	R-19	R-20	R-20	D-20	D-21	D-21	R-21	R-21	R-21	R-20
WI	R-12	D-12	R-12	R-12	R-12	D-12	R-12	R-11	D-11	R-11	R-11
<b>West North Central:</b>											
MN	D-11	D-11	R-11	R-11	D-11	D-10	D-10	R-10	D-10	R-10	D-10
IA	R-10	D-10	R-10	R-10	R-10	D-9	R-9	R-9	R-9	R-9	R-9
MO	D-15	D-15	R-13	D-13	D-13	D-12	R-12	R-12	D-12	R-12	R-11
ND	R-4	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
SD	R-4	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
NE	R-6	R-6	R-6	R-6	R-6	D-6	R-6	R-6	R-6	R-6	R-6
KS	R-6	R-6	R-6	R-6	R-6	D-7	R-7	R-7	R-7	R-7	R-7
<b>South Atlantic:</b>											
DE	D-3	R-3	R-3	R-3	D-3	D-3	R-3	R-3	D-3	R-3	R-3
MD	D-8	R-8	R-8	R-8	D-8	D-10	D-10	R-10	D-10	D-10	R-10
DC	(X)	(X)	(X)	(X)	(X)	D-3	D-3	D-3	D-3	D-3	D-3
VA	D-11	D-11	R-12	R-12	R-12	D-12	D-12	R-11	R-12	R-12	R-12
WV	D-8	D-8	D-8	R-8	D-8	D-7	D-7	R-8	D-8	D-8	R-8
NC	D-14	D-14	D-14	D-14	D-14	D-13	R-12	R-13	D-13	R-13	R-13
SC	D-8	(?)	D-8	D-8	D-8	R-8	R-8	R-8	D-8	R-8	R-8
GA	D-12	D-12	D-12	D-12	D-12	R-12	(?)	R-12	D-12	D-12	R-12
FL	D-8	D-8	R-10	R-10	R-10	D-14	R-14	R-17	D-17	R-17	R-21
<b>East South Central:</b>											
KY	D-11	D-11	D-10	R-10	R-10	R-9	R-9	R-9	R-9	R-9	R-9
TN	D-12	D-11	R-11	R-11	R-11	D-11	R-11	R-10	D-10	R-10	R-11
AL	D-11	(?)	D-11	D-10	D-5	R-10	(?)	R-9	D-9	R-9	R-9
MS	D-8	(?)	D-8	D-8	(?)	R-7	(?)	R-7	D-7	R-7	R-7
<b>West South Central:</b>											
AR	D-8	D-8	D-8	D-8	D-8	D-8	(?)	R-8	D-8	R-8	R-8
LA	D-10	(?)	D-10	R-10	D-10	R-10	(?)	R-10	D-10	R-10	R-10
OK	D-10	D-10	R-8	R-8	R-7	D-8	R-8	R-8	R-8	R-8	R-8
TX	D-23	D-23	R-24	R-24	D-24	D-25	D-25	R-26	D-26	R-26	R-29
<b>Mountain:</b>											
MT	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
ID	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
WY	D-3	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3
CO	D-6	D-6	R-6	R-6	R-6	D-6	R-6	R-7	R-7	R-7	R-6
NM	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-5
AZ	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-7
UT	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-5
NV	D-3	D-3	R-3	R-3	D-3	D-3	R-3	R-3	R-3	R-3	R-4
<b>Pacific:</b>											
WA	D-8	D-8	R-8	R-8	R-8	D-8	D-8	R-8	R-8	R-8	R-10
OR	D-6	D-6	R-6	R-6	R-6	D-6	D-6	R-6	R-6	R-6	R-7
CA	D-25	D-25	R-32	R-32	R-32	D-40	R-40	R-45	R-45	R-45	R-47
AK	(X)	(X)	(X)	(X)	R-3	D-3	R-3	R-3	R-3	R-3	R-3
HI	(X)	(X)	(X)	(X)	D-3	D-4	D-4	R-4	D-4	D-4	R-4

- Represents zero    X Not applicable.    <sup>1</sup> Excludes 39 electoral votes cast for States' Rights Democratic candidates as follows: AL 11, LA 10; MS 9; SC 8; and TN 1.    <sup>2</sup> Excludes 1 electoral vote cast for Walter B. Jones in Alabama.    <sup>3</sup> Excludes 15 electoral votes cast for Harry F. Byrd as follows: AL 6, MS 8, and OK 1.

<sup>4</sup> Excludes 46 electoral votes cast for George C. Wallace as follows: AL 10; AR 6; GA 12; LA 10; MS 7; NC 1.    <sup>5</sup> Excludes 1 electoral vote cast for John Hospers in Virginia.    <sup>6</sup> Excludes 1 electoral vote cast for Ronald Reagan in Washington.

Source: 1944-1972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, quadrennial; thereafter, Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

## NO. 388. POPULAR VOTE CAST FOR PRESIDENT, BY POLITICAL PARTY—STATES: 1976 TO 1984

(In thousands, except percent. D—Democratic, R—Republican. Leading party vote refers to the party vote representing either a majority or a plurality for the victorious party in the area shown. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 135-169.)

REGION, DIVISION, AND STATE	1976				1980				1984			
	Total <sup>1</sup>	Dem- ocratic Party	Re- pub- lican Party	Percent for leading party	Total <sup>1</sup>	Dem- ocratic Party	Re- pub- lican Party	Percent for leading party	Total <sup>1</sup>	Dem- ocratic Party	Re- pub- lican Party	Percent for leading party
U.S.	81,556	40,831	38,148	D-50.1	85,518	35,484	43,994	R-50.7	82,863	37,577	54,485	R-65.8
Region:												
Northeast	19,520	9,929	9,272	D-50.9	19,206	8,019	9,147	R-47.6	20,483	9,046	11,336	R-55.3
Midwest	24,155	11,571	11,995	R-49.7	25,178	10,291	12,827	R-50.9	25,441	10,511	14,761	R-58.0
South	23,198	12,520	10,364	D-54.0	25,813	11,554	13,118	R-60.8	28,833	10,998	17,899	R-61.4
West	14,882	6,711	7,488	R-51.0	16,318	5,620	8,813	R-54.0	17,895	7,022	10,859	R-58.8
N. Eng.	6,361	2,768	2,454	D-51.7	5,467	2,398	2,446	R-44.7	5,814	2,437	3,183	R-58.2
ME	483	232	236	R-48.9	529	221	236	R-45.6	563	215	337	R-60.8
NH	340	148	186	R-54.7	384	109	222	R-57.7	389	120	267	R-68.6
VT	188	81	102	R-54.4	213	82	95	R-44.4	236	86	136	R-57.8
MA	2,548	1,429	1,030	D-58.1	2,524	1,054	1,058	R-41.9	2,559	1,240	1,311	R-51.2
RI	411	226	181	D-55.4	418	198	156	D-47.7	410	197	212	R-51.7
CT	1,362	648	719	R-52.1	1,406	542	677	R-48.2	1,457	570	891	R-62.7
Mid. Atl.	14,188	7,184	6,817	D-50.6	13,739	5,813	6,783	R-48.8	14,870	6,888	8,183	R-65.8
NY	8,534	3,390	3,101	D-51.9	8,202	2,728	2,894	R-48.7	8,607	3,120	3,885	R-63.8
NJ	3,014	1,445	1,519	R-50.1	2,976	1,147	1,547	R-52.0	3,218	1,281	1,934	R-60.1
PA	4,621	2,329	2,206	D-50.4	4,562	1,936	2,262	R-48.6	4,845	2,228	2,584	R-63.3
E. No. Cent.	16,808	8,036	8,449	R-50.3	17,488	7,221	8,835	R-58.6	17,813	7,278	10,213	R-68.9
OH	4,112	2,012	2,001	D-48.9	4,284	1,752	2,207	R-51.5	4,548	1,826	2,679	R-58.9
IN	2,220	1,015	1,184	R-53.3	2,242	844	1,258	R-58.0	2,233	841	1,377	R-61.7
IL	4,719	2,271	2,384	R-50.1	4,750	1,981	2,358	R-48.8	4,819	2,088	2,707	R-58.2
MI	3,854	1,697	1,894	R-51.8	3,810	1,882	1,915	R-49.0	3,802	1,530	2,252	R-58.2
WI	2,104	1,040	1,005	D-49.4	2,273	982	1,089	R-47.9	2,212	998	1,189	R-54.2
W. No. Cent.	7,346	3,436	3,547	D-49.5	7,719	3,070	4,882	R-51.8	7,838	3,232	4,548	R-68.1
MN	1,950	1,070	819	D-54.8	2,052	964	873	D-48.5	2,084	1,038	1,033	D-48.7
IA	1,279	620	633	R-49.5	1,318	509	678	R-51.3	1,320	606	703	R-63.3
MO	1,954	968	927	D-51.1	2,100	831	1,074	R-51.2	2,123	848	1,274	R-60.0
ND	297	136	153	R-51.8	302	79	194	R-64.2	309	104	200	R-64.8
SD	301	147	152	R-50.4	326	104	196	R-60.5	318	116	200	R-63.0
NE	808	234	380	R-59.2	841	167	420	R-65.5	852	188	480	R-70.8
KS	958	430	503	R-52.5	980	326	587	R-57.8	1,022	333	677	R-68.3
So. Atl.	11,882	5,284	5,095	D-55.9	12,589	5,888	5,199	R-48.2	14,134	5,519	8,885	R-68.8
DE	236	123	110	D-52.0	238	108	111	R-47.2	255	102	152	R-58.8
MD	1,440	780	673	D-52.8	1,540	726	881	D-47.1	1,678	788	880	R-52.5
DC	189	138	28	D-81.8	175	131	24	D-74.8	211	180	29	D-85.4
VA	1,897	814	837	R-48.3	1,866	752	980	R-53.0	2,147	798	1,337	R-62.3
WV	751	436	315	D-58.0	738	367	334	D-49.8	738	328	405	R-65.1
NC	1,679	827	742	D-55.2	1,856	876	915	R-48.3	2,175	824	1,345	R-61.8
SC	803	451	348	D-58.2	884	430	442	R-49.4	988	344	616	R-63.8
GA	1,457	979	484	D-66.7	1,597	891	654	D-56.8	1,778	707	1,089	R-60.2
FL	3,151	1,638	1,470	D-51.9	3,667	1,419	2,047	R-55.5	4,180	1,449	2,730	R-65.3
E. So. Cent.	4,588	2,482	2,097	D-54.0	6,147	2,465	2,816	R-48.9	6,484	2,155	3,987	R-68.9
KY	1,187	616	532	D-52.8	1,285	616	635	R-49.1	1,388	540	622	R-60.0
TN	1,478	626	634	D-55.9	1,518	783	788	R-48.7	1,712	712	990	R-67.8
AL	1,183	659	504	D-55.7	1,342	637	554	R-48.8	1,442	552	873	R-60.5
MS	789	381	367	D-49.6	893	429	441	R-49.4	941	352	582	R-61.8
W. So. Cent.	7,218	3,774	3,364	D-62.4	8,878	3,388	4,403	R-54.5	9,244	3,235	5,987	R-63.6
AR	788	499	289	D-65.0	838	398	403	R-48.1	884	339	535	R-60.5
LA	1,278	661	587	D-51.7	1,549	706	793	R-51.2	1,707	652	1,037	R-60.8
OK	1,082	532	546	R-50.0	1,150	402	896	R-60.5	1,258	365	882	R-68.8
TX	4,072	2,082	1,953	D-51.1	4,542	1,981	2,511	R-55.3	5,388	1,949	3,433	R-63.8
MT	3,815	1,889	2,124	R-55.7	4,346	1,251	2,837	R-60.7	4,738	1,548	3,131	R-68.1
WY	329	149	174	R-52.8	384	116	207	R-58.8	384	147	232	R-60.5
ID	344	127	204	R-58.3	437	110	291	R-68.5	411	108	298	R-72.4
WY	156	62	93	R-59.3	177	49	111	R-62.6	189	53	133	R-70.5
CO	1,082	490	584	R-54.0	1,184	368	852	R-55.1	1,295	455	822	R-68.4
NM	418	201	211	R-50.5	457	168	251	R-54.9	514	202	307	R-68.7
AZ	743	296	419	R-68.4	874	247	530	R-60.6	1,028	334	681	R-68.4
UT	541	182	338	R-62.4	604	124	440	R-72.8	630	155	489	R-74.5
NV	202	92	101	R-60.2	248	87	155	R-62.5	287	92	189	R-65.8
Pac.	18,887	5,140	5,384	R-48.4	11,973	4,388	6,177	R-51.6	13,189	6,478	7,839	R-67.3
WA	1,556	717	778	R-50.0	1,742	650	895	R-48.7	1,984	807	1,052	R-65.8
OR	1,030	490	492	R-47.8	1,182	457	571	R-48.3	1,227	538	686	R-65.9
CA	7,867	3,742	3,882	R-49.3	8,887	3,084	4,525	R-62.7	9,505	3,923	5,487	R-67.5
AK	124	44	72	R-57.8	158	42	86	R-54.3	208	62	139	R-68.7
HI	291	147	140	D-50.8	303	136	130	D-44.8	338	147	185	R-65.1

<sup>1</sup> Includes other parties.

Source: Elections Research Center, Washington, DC, America Votes, biennial. (Copyright.)

**NO. 489. VOTE CAST FOR UNITED STATES SENATORS, BY MAJOR POLITICAL PARTY—STATES:  
1982 TO 1986**

*(in thousands, except percent. Except as noted, excludes elections to fill vacancies for unexpired term)*

DIVISION AND STATE	1982				1984				1986			
	Total <sup>1</sup>	Democrat	Republican	Percent for leading party	Total <sup>1</sup>	Democrat	Republican	Percent for leading party	Total <sup>1</sup>	Democrat	Republican	Percent for leading party
<b>N. Eng.:</b>												
ME.....	489	290	180	60.9	551	143	404	73.3	(x)	(x)	(x)	(x)
NH.....	(x)	(x)	(x)	(x)	364	157	226	56.7	245	79	154	62.9
VT.....	186	79	84	50.3	(x)	(x)	(x)	(x)	197	124	68	63.2
MA.....	2,051	1,247	785	60.8	2,530	1,393	1,137	55.1	(x)	(x)	(x)	(x)
RI.....	343	187	175	51.2	365	267	108	72.8	(x)	(x)	(x)	(x)
CT.....	1,084	489	548	50.4	(x)	(x)	(x)	(x)	977	533	340	64.6
<b>Mid. Atl.:</b>												
NY.....	4,968	3,232	1,697	65.1	(x)	(x)	(x)	(x)	4,179	1,723	2,378	66.9
NJ.....	2,194	1,116	1,048	50.9	3,086	1,897	1,080	64.2	(x)	(x)	(x)	(x)
PA.....	3,604	1,413	2,136	58.3	(x)	(x)	(x)	(x)	3,376	1,448	1,907	66.4
<b>E. No. Cent.:</b>												
OH.....	3,395	1,924	1,397	56.7	(x)	(x)	(x)	(x)	3,121	1,949	1,172	62.5
IN.....	1,617	828	978	53.6	(x)	(x)	(x)	(x)	1,546	595	936	60.6
IL.....	(x)	(x)	(x)	(x)	4,787	2,397	2,396	60.1	3,123	2,034	1,084	65.1
MI.....	2,984	1,729	1,223	57.7	3,701	1,916	1,745	61.8	(x)	(x)	(x)	(x)
WI.....	1,545	983	527	68.6	(x)	(x)	(x)	(x)	1,483	703	756	50.9
<b>W. No. Cent.:</b>												
MIN.....	1,605	840	949	52.6	2,086	853	1,200	58.1	(x)	(x)	(x)	(x)
IA.....	(x)	(x)	(x)	(x)	1,293	717	564	55.5	892	299	589	66.0
MO.....	1,544	759	785	50.6	(x)	(x)	(x)	(x)	1,477	700	778	52.6
ND.....	282	165	89	62.6	(x)	(x)	(x)	(x)	289	144	142	49.8
SD.....	(x)	(x)	(x)	(x)	316	81	236	74.5	286	153	143	51.6
NE.....	546	363	156	66.6	840	332	307	51.9	(x)	(x)	(x)	(x)
KS.....	(x)	(x)	(x)	(x)	997	212	757	78.0	824	247	577	70.0
<b>S. Atl.:</b>												
DE.....	191	84	105	55.2	246	148	98	60.1	(x)	(x)	(x)	(x)
MD.....	1,115	707	407	63.5	(x)	(x)	(x)	(x)	1,113	675	437	60.7
VA.....	1,416	891	725	51.2	2,007	801	1,406	70.0	(x)	(x)	(x)	(x)
WV.....	585	387	174	68.5	722	374	345	51.8	(x)	(x)	(x)	(x)
NC.....	(x)	(x)	(x)	(x)	2,239	1,070	1,157	51.7	1,591	824	766	51.8
SC.....	(x)	(x)	(x)	(x)	985	307	646	68.8	738	466	263	63.1
GA.....	(x)	(x)	(x)	(x)	1,681	1,344	337	79.9	1,225	824	401	50.9
FL.....	2,653	1,836	1,015	61.7	(x)	(x)	(x)	(x)	3,430	1,876	1,552	54.7
<b>E. So. Cent.:</b>												
KY.....	(x)	(x)	(x)	(x)	1,292	640	645	49.9	677	504	173	74.4
TN.....	1,280	790	480	61.9	1,846	1,001	557	60.7	(x)	(x)	(x)	(x)
AL.....	(x)	(x)	(x)	(x)	1,371	861	499	62.8	1,212	609	603	50.3
MS.....	645	414	231	64.2	952	372	580	60.9	(x)	(x)	(x)	(x)
<b>W. So. Cent.:</b>												
AR.....	(x)	(x)	(x)	(x)	878	502	374	57.3	895	433	262	62.3
LA.....	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	1,370	724	646	52.8
OK.....	(x)	(x)	(x)	(x)	1,198	806	281	75.8	894	400	493	55.2
TX.....	3,103	1,818	1,257	58.6	5,319	2,203	3,116	58.6	(x)	(x)	(x)	(x)
<b>Mid.:</b>												
MT.....	321	175	134	54.5	379	218	154	58.9	(x)	(x)	(x)	(x)
ID.....	(x)	(x)	(x)	(x)	406	108	293	72.2	362	186	197	51.6
WY.....	167	72	95	58.7	187	41	146	78.3	(x)	(x)	(x)	(x)
CO.....	(x)	(x)	(x)	(x)	1,298	449	834	64.2	1,061	529	513	49.9
NM.....	405	216	187	53.6	503	141	361	71.9	(x)	(x)	(x)	(x)
AZ.....	724	412	282	56.9	(x)	(x)	(x)	(x)	863	341	522	60.5
UT.....	531	219	309	56.3	(x)	(x)	(x)	(x)	435	116	315	72.3
NV.....	240	115	120	60.1	(x)	(x)	(x)	(x)	262	131	117	50.0
<b>Pac.:</b>												
WA.....	1,368	944	332	69.0	*1,213	*541	*672	*56.4	1,337	677	651	50.7
OR.....	(x)	(x)	(x)	(x)	1,215	406	808	66.5	1,043	376	656	63.0
CA.....	7,806	3,495	4,023	51.5	(x)	(x)	(x)	(x)	7,399	3,647	3,542	49.3
AK.....	(x)	(x)	(x)	(x)	206	59	147	71.2	181	80	98	54.0
HL.....	306	245	52	80.1	(x)	(x)	(x)	(x)	329	242	87	73.6

x Not applicable. <sup>1</sup> Includes vote cast for minor parties. <sup>2</sup> Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. <sup>3</sup> 1983 election to fill vacancy caused by death of Senator Jackson.

Source: Elections Research Center, Washington, DC, American Votes, biennial. (Copyright.)

# NO. 401. VOTE CAST FOR UNITED STATES REPRESENTATIVES, BY MAJOR POLITICAL PARTIES— STATES: 1962 TO 1966

[In thousands, except percent. In each State, totals represent the sum of votes cast in each Congressional District or votes cast for Representative at Large in States where only one member is elected. In all years there are numerous districts within the State where either the Republican or Democratic party had no candidate. In some States the Republican and Democratic vote includes votes cast for the party candidate by endorsing parties. See also *Historical Statistics, Colonial Times to 1970*, series Y 211-214]

REGION, DIVISION, AND STATE	1962				1964				1966			
	Total <sup>1</sup>	Dem- ocratic	Re- pub- lican	Percent for lead- ing party	Total <sup>1</sup>	Dem- ocratic	Re- pub- lican	Percent for lead- ing party	Total <sup>1</sup>	Dem- ocratic	Re- pub- lican	Percent for lead- ing party
U.S. <sup>2</sup>	64,614	35,896	27,799	D-66.3	62,231	43,839	28,988	D-62.3	66,819	32,546	28,832	D-64.6
Region:												
Northeast	14,636	8,124	6,240	D-55.5	19,179	10,118	8,918	D-52.8	12,405	6,820	5,383	D-55.0
Midwest	18,088	10,389	8,550	D-54.3	24,171	12,220	11,813	D-50.6	16,861	8,954	7,988	D-52.7
South <sup>3</sup>	16,828	10,225	6,377	D-60.8	22,904	13,228	9,526	D-57.7	16,451	9,819	6,519	D-59.7
West	13,981	6,975	6,831	D-50.0	16,978	7,984	8,703	R-51.3	13,786	6,949	6,880	D-50.4
N. Eng.	4,180	2,390	1,733	D-57.2	5,308	2,832	2,436	D-53.2	3,641	2,122	1,433	D-58.3
ME	452	187	261	R-57.7	542	182	375	R-69.2	422	185	249	R-58.1
NH	269	114	154	R-57.3	373	118	251	R-67.2	241	84	156	R-64.9
VT	185	38	114	R-69.2	225	80	148	R-65.4	189	-	189	R-66.1
MA	1,980	1,300	561	D-68.8	2,346	1,618	704	D-69.0	1,803	1,188	250	D-79.7
RI	333	174	158	D-52.2	390	195	195	R-50.0	306	130	176	R-57.8
CT	1,071	577	495	D-53.9	1,432	808	762	R-53.2	990	545	434	D-55.6
Mid. Atl.	16,486	5,734	4,587	D-54.8	13,879	7,394	6,481	D-53.6	6,784	4,698	3,938	D-59.9
NY	4,081	2,817	1,940	D-55.9	6,218	3,255	2,898	D-52.4	3,904	2,132	1,685	D-54.8
NJ	2,146	1,206	915	D-56.2	2,902	1,508	1,471	D-50.4	1,554	803	739	D-51.7
PA	3,629	1,911	1,652	D-52.7	4,880	2,531	2,112	D-54.3	3,306	1,763	1,528	D-53.3
E. No. Cent.	12,964	7,221	6,836	D-56.6	16,818	8,417	8,116	D-50.7	11,288	6,088	6,291	D-69.6
OH	3,328	1,807	1,457	D-54.3	4,332	2,134	2,158	R-49.8	3,057	1,512	1,536	R-50.1
IN	1,766	882	810	R-50.7	2,180	1,022	1,147	R-52.6	1,586	788	756	D-50.7
IL	3,613	2,093	1,508	D-57.9	4,579	2,367	2,204	D-51.7	3,017	1,623	1,393	D-53.8
MI	2,808	1,670	1,093	D-58.4	3,452	1,861	1,567	D-53.9	2,327	1,342	977	D-57.7
WI	1,451	788	667	D-53.0	2,075	1,033	1,033	D-49.8	1,363	704	688	D-50.8
W. No. Cent.	6,884	3,148	2,918	D-51.7	7,683	3,813	2,703	D-50.6	6,631	2,888	2,637	D-69.6
MIN	1,750	956	778	D-54.6	1,975	1,061	902	D-53.7	1,369	832	556	D-59.7
IA	1,005	529	475	D-52.6	1,269	586	673	R-53.1	880	428	461	R-51.9
MO	1,528	872	653	D-57.0	2,040	1,130	903	D-55.4	1,430	828	600	D-57.9
ND	280	187	72	D-71.6	309	243	66	D-78.7	286	216	67	D-76.5
SD	276	142	134	D-51.6	318	181	135	D-57.4	290	171	118	D-59.2
NE	519	116	402	R-77.5	660	188	482	R-74.2	555	197	358	R-64.5
KS	758	348	401	R-63.0	994	435	542	R-54.5	787	313	475	R-60.3
S. Atl. <sup>4</sup>	8,367	4,989	3,345	D-68.2	11,488	6,414	6,893	D-68.8	8,884	4,861	3,349	D-69.3
DE	188	99	87	D-52.4	243	142	101	D-58.5	181	106	54	D-69.2
MD	1,081	743	348	D-68.1	1,485	956	536	D-63.9	1,083	689	384	D-62.8
DC	113	93	17	D-83.0	162	155	-	D-95.6	127	102	16	D-80.1
VA	1,335	630	680	R-51.7	1,838	795	1,003	R-54.8	1,043	545	487	D-52.2
WY	548	343	202	D-62.8	704	429	275	D-60.9	398	289	87	D-73.5
NC	1,321	708	580	D-53.6	2,158	1,131	1,026	D-52.4	1,573	880	692	D-56.6
SC	657	353	295	D-53.7	828	471	441	D-50.7	717	453	261	D-69.2
GA	904	670	225	D-74.1	1,521	1,091	430	D-71.7	1,082	773	289	D-73.6
FL <sup>5</sup>	2,212	1,311	900	D-59.3	2,437	1,245	1,191	D-51.1	2,142	1,184	967	D-53.9
E. So. Cent.	3,678	2,188	1,283	D-62.8	4,822	2,728	1,753	D-60.3	3,375	2,086	1,246	D-69.4
KY	700	413	280	D-59.0	1,186	657	529	D-56.3	630	375	253	D-59.5
TN	1,178	686	470	D-58.4	1,318	726	589	D-55.2	1,106	636	449	D-57.8
AL	981	677	273	D-70.4	1,149	822	308	D-71.5	1,116	679	436	D-60.8
MS	641	386	280	D-57.5	889	523	327	D-60.2	524	316	208	D-60.3
W. So. Cent.	4,981	3,119	1,746	D-62.6	6,886	4,984	2,779	D-69.2	4,782	2,822	1,934	D-69.9
AR <sup>6</sup>	758	387	382	D-52.4	493	341	81	D-73.7	686	387	288	D-59.1
LA <sup>7</sup>	517	238	142	D-65.0	642	402	239	D-62.7	381	286	102	D-73.6
OK <sup>8</sup>	856	539	310	D-63.0	1,111	846	456	D-58.1	725	430	291	D-69.4
TX	2,848	1,847	935	D-64.8	4,680	2,685	1,982	D-57.6	3,010	1,717	1,293	D-67.0
Mid.	3,873	1,873	1,928	R-63.8	4,837	1,872	2,776	R-61.3	3,748	1,681	2,142	R-57.2
MT	317	186	142	D-52.4	371	187	179	D-50.5	318	172	146	D-54.1
ID	321	161	170	R-53.0	405	185	240	R-58.3	378	183	208	R-56.4
WY	158	46	113	R-71.1	188	46	126	R-73.8	180	48	111	R-68.8
CO	848	448	485	R-51.2	1,248	436	780	R-62.5	1,018	450	586	R-68.8
NM	305	203	182	D-51.4	500	201	294	R-58.9	388	179	207	R-63.8
AZ	711	300	385	R-56.5	943	320	603	R-63.9	804	280	540	R-67.2
UT	400	145	312	R-63.7	601	206	387	R-64.5	429	187	230	R-63.8
NV	234	114	116	R-49.5	271	109	155	R-57.3	257	121	134	R-52.0
Pac.	16,389	5,482	4,786	D-62.8	12,481	6,382	5,927	D-69.5	16,038	5,386	4,536	D-69.4
WA	1,307	680	604	D-52.8	1,808	997	600	D-55.1	1,295	768	527	D-69.3
OR	1,015	578	437	D-56.9	1,203	656	548	D-54.4	1,032	585	446	D-56.7
CA	7,587	3,815	3,537	D-50.3	8,858	4,327	4,424	R-48.4	7,200	3,744	3,386	D-62.0
AK	181	52	128	R-70.8	206	86	114	R-55.0	180	74	102	R-68.6
HI	288	287	-	D-99.6	278	227	41	D-82.5	331	187	135	D-68.4

- Represents zero. <sup>1</sup> Includes vote cast for minor parties. <sup>2</sup> Includes vote cast for non-voting Delegate at Large in District of Columbia. <sup>3</sup> Total vote for Republican candidates was 195,077; for Democratic candidates, 194,842. <sup>4</sup> Includes votes cast by other endorsing parties for Democratic and Republican candidates. <sup>5</sup> Total vote for Democratic candidates was 1,033,033; for Republican candidates, 1,032,948. <sup>6</sup> State law does not require tabulation of votes for unopposed candidates. <sup>7</sup> In 1962 Districts 8, 10 and 17 were unopposed; in 1964 Districts 1, 2, 3, 5, 12, 13 and 17 were unopposed; in 1966 Districts 3, 4, 5, 7, 8, 15 and 17 were unopposed. <sup>8</sup> 1964, no data for District 3. <sup>9</sup> 1962 and 1964 data are for September open primary because there were no general election runoffs. 1966 data are for general election runoffs in two districts. 1966 open primary totals—total, 755,880; Democratic, 588,291; Republican, 148,007. <sup>10</sup> In 1968 District 6 was unopposed.

Source: Elections Research Center, Washington, DC. America Votes, biennial (copyright).



NO. 482. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—  
CONGRESSIONAL DISTRICTS: 985

[In some States the Democratic and Republican vote includes votes cast for the party candidate by endorsing parties]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
AL	1,198	(x)	(x)	(x)	(x)	CO	1,019	(x)	(x)	(x)	(x)
1st	97	(1)	(1)	Callahan	89.9	1st	155	Schroeder	88.4	Wood	31.6
2d	173	Stone	33.3	Dickinson	86.7	2d	177	Skaggs	51.5	Norton	48.5
3d	143	Nichols	80.6	Guerin	19.4	3d	184	Campbell	51.9	Strong	48.1
4th	171	Bevill	77.5	Deshaize	22.5	4th	188	Sprague	30.2	Brown	69.8
5th	159	Filippo	78.9	McCarley	21.1	5th	174	Story	30.2	Hefley	69.8
6th	192	Erdreich	72.7	Williams	27.0	6th	181	Norris	33.5	Scheeler	66.5
7th	181	Harris	59.8	McFarland	40.2	CT	988	(x)	(x)	(x)	(x)
AR	180	Bagich	41.1	Young	58.5	1st	174	Kennedy	74.2	Gain	25.4
AZ	884	(x)	(x)	(x)	(x)	2d	182	Gajden-son	67.4	Mullen	32.6
1st	179	Braun	28.7	Rhodes	71.3	3d	184	Morrison	68.6	Dietz	30.4
2d	105	Udall	73.3	Clark	23.3	4th	144	Nieder- meier	48.5	McKinney	53.5
3d	146	(1)	(1)	Stump	100.0	5th	182	Cohen	38.1	Rowland	60.9
4th	189	Davis	35.4	Kyl	64.6	6th	173	Amenta	35.8	Johnson	64.2
5th	184	Ireland	36.1	Kolbe	64.9	DE	181	Carper	68.2	Neuberger	33.4
AR	988	(x)	(x)	(x)	(x)	DC	127	Fauntroy	80.1	King	13.9
1st	165	Alexander	64.2	Abin	36.6	FL	2,142	(x)	(x)	(x)	(x)
2d	170	Robinson	75.7	Hamer	24.2	1st	153	Hutto	63.6	Neubeck	36.2
3d	182	Sargent	20.2	Hamm- schmidt	79.8	2d	111	Grant	99.4	(1)	(1)
4th	149	Anthony	77.4	Keels	15.4	3d	(1)	Bennett	(1)	(1)	(1)
CA	7,200	(x)	(x)	(x)	(x)	4th	(1)	Chappell	(1)	(1)	(1)
1st	205	Bosco	67.5	Sampson	28.6	5th	(1)	(1)	(1)	(1)	(1)
2d	186	Swend- men	39.6	Henger	58.3	6th	205	MacKay	70.2	Gallagher	29.8
3d	209	Matsui	75.9	Landoweki	24.1	7th	(1)	Gibbons	(1)	(1)	(1)
4th	183	Fazio	70.2	Hite	29.8	8th	(1)	(1)	(1)	(1)	(1)
5th	183	Burton	75.2	Garza	22.1	9th	236	Cazares	29.2	Ireland	71.2
6th	194	Bower	73.9	Ernet	26.1	10th	172	Higginbol- tom	28.8	Ellis	27.3
7th	187	Miller	66.6	Thakar	33.4	11th	205	Nelson	72.7	Lewis	98.4
8th	203	Dellums	60.0	Eigenberg	37.9	12th	151	(1)	(1)	(1)	(1)
9th	183	Stark	69.7	Williams	30.3	13th	251	Gilbert	25.0	Meek	75.0
10th	120	Edwards	70.5	LaCrone	26.6	14th	233	Mica	73.8	Martin	26.2
11th	152	Lantos	74.1	Ourish	25.9	15th	(1)	(1)	(1)	(1)	(1)
12th	187	Well	37.2	Konnyu	59.5	16th	174	Smith	69.7	Collins	30.3
13th	154	Mineta	69.7	Nash	30.3	17th	(1)	Lehman	(1)	(1)	(1)
14th	205	Steele	26.1	Shumway	71.6	18th	109	Pepper	73.5	Brodie	26.5
15th	132	Costello	71.0	Hamer	27.2	19th	144	Fasell	69.1	Flanagan	30.9
16th	183	Paretta	75.4	Damigo	19.2	GA	1,082	(x)	(x)	(x)	(x)
17th	147	Hartnett	39.8	Passhayan	60.2	1st	69	Thomas	100.0	(1)	(1)
18th	142	Lehman	71.3	Crevell	28.7	2d	72	Hatcher	100.0	(1)	(1)
19th	171	Norris	26.6	Lagomar- sino	71.9	3d	76	Ray	99.7	(1)	(1)
20th	179	Moquin	27.4	Thomas	72.6	4th	182	Jones	45.8	Swindall	53.2
21st	188	Seldane	28.2	Galleghy	68.4	5th	124	Lewis	75.3	Scott	24.7
22d	181	Simmons	23.0	Moorhead	73.8	6th	127	Bray	40.5	Gingrich	59.5
23d	185	Beltonson	65.7	Woolver- ton	31.8	7th	134	Darden	68.4	Morecraft	31.6
24th	116	Waxman	87.9	(1)	(1)	8th	95	Rowland	66.4	McDowell	13.6
25th	82	Roybal	76.1	Hardy	21.3	9th	64	Jenkins	100.0	(1)	(1)
26th	151	Berman	65.1	Karne	34.9	10th	118	Barnard	67.3	Hill	32.7
27th	173	Levine	63.7	Scribner	34.3	HI	331	(x)	(x)	(x)	(x)
28th	121	Dixon	76.3	Adams	21.3	1st	188	Hanne- men	37.5	Said	59.2
29th	92	Hawkins	84.5	Van de- Brooke	14.5	2d	183	Akaka	78.1	Hastace	21.7
30th	95	Martinez	62.5	Almquist	36.5	ID	376	(x)	(x)	(x)	(x)
31st	110	Dymally	70.2	McMurray	27.6	1st	186	Curie	32.3	Craig	65.3
32d	133	Anderson	68.5	Robertson	29.4	2d	190	Stallings	54.4	Richard- son	45.6
33d	165	Hempel	26.6	Draier	71.7	IL	3,017	(x)	(x)	(x)	(x)
34th	110	Torres	60.3	House	39.7	1st	127	Hayes	96.4	Faulkner	3.6
35th	166	Hall	23.1	Lewis	76.9	2d	118	Savage	63.8	Taylor	16.2
36th	137	Brown	57.1	Hartley	42.9	3d	155	Russo	66.2	Tierney	33.8
37th	192	Stunner	38.3	McCand- less	63.7	4th	119	Collins	48.4	Davis	51.6
38th	119	Robinson	42.4	Dorman	55.3	5th	117	Lipinski	70.4	Sobieski	29.6
39th	177	Vest	24.0	Danne- meyer	74.5	6th	130	Renshaw	24.6	Hyde	75.4
40th	201	Sumner	37.7	Badham	58.8	7th	113	Collins	80.2	Kallas	19.6
41st	197	Kripke	30.4	Lowery	67.8	8th	106	Rosten-kowski	78.7	DeFazio	21.3
42d	193	Blackburn	24.7	Lungren	72.8	9th	129	Yates	71.6	Sohn	28.4
43d	188	Chen	24.0	Packard	73.1	10th	117	Cleland	24.9	Porter	75.1
44th	110	Bates	64.2	Mitchell	33.1	11th	151	Annunzio	70.7	Gottlieb	29.3
45th	155	Ryan	21.2	Hunter	78.8	12th	118	Leonard	22.3	Cran	77.7
						13th	146	Jeffrey	28.6	Fawell	71.4

See footnotes at end of table.



**NO. 402. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—  
CONGRESSIONAL DISTRICTS: 1986—Continued**

[See headnote, p. 237]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
<b>IL—Con.</b>						<b>MA—Con.</b>					
14th	148	Kasra	47.6	Hebert	52.4	4th	181	Frank	88.8	(1)	(1)
15th	115	(1)	(1)	Madigan	100.0	9th	114	Allene	98.9	(1)	(1)
16th	139	Bohnbeck	33.1	Martin	66.9	11th	131	Mavroules	98.9	(1)	(1)
17th	154	Evans	55.6	Michael	44.4	12th	124	Markay	100.0	(1)	(1)
18th	151	Dawson	37.4	Michael	62.6	13th	145	Kennedy	72.0	Abt	27.7
19th	157	Bruc	68.4	Salvi	31.6	14th	131	Mosley	63.8	(1)	(1)
20th	186	Durbin	68.1	McCarthy	31.9	15th	187	Studds	65.1	Barro	34.9
21st	131	Price	50.4	Gaffner	49.6	16th	115	Donnelly	100.0	(1)	(1)
22nd	183	Gray	53.2	Patchett	46.8	<b>MI</b>	2,327	(x)	(x)	(x)	(x)
<b>IN</b>	1,986	(x)	(x)	(x)	(x)	1st	106	Conyers	88.2	Ash	8.8
1st	118	Vielosky	73.4	Costas	25.7	2d	135	Baker	41.0	Pursell	59.0
2d	186	Sharp	61.9	Lynch	37.4	3d	130	Wolpe	80.4	McGregor	28.6
3d	153	Ward	48.8	Hill	48.8	4th	114	Roche	38.6	Upton	61.9
4th	144	Scher	30.0	Costs	69.8	5th	141	Decker	28.8	Henry	71.2
5th	157	Jontz	51.4	Butcher	48.1	6th	132	Can	58.7	Dunn	43.3
6th	173	McKenna	30.8	Burton	69.4	7th	127	Kides	79.6	Callahan	19.5
7th	157	Smith	31.8	Myers	68.8	8th	134	Trader	72.6	Levi	27.4
8th	201	McClos-				9th	140	Anderson	35.8	Vander	
		key	53.0	McIntyre	46.5	10th	153	Albosta	48.8	Jagt	84.4
9th	188	Hamilton	71.8	Kilroy	27.7	11th	145	Anderson	38.8	Schultz	51.1
10th	119	Jacobs	57.7	Eynon	41.2	12th	132	Bonior	68.4	Davis	63.0
<b>IA</b>	888	(x)	(x)	(x)	(x)	13th	90	Crockett	85.2	Miller	33.8
1st	131	Whitaker	33.6	Leach	66.4	14th	127	Hertel	72.9	Griffin	13.8
2d	145	Tabor	38.7	Tauts	61.3	15th	104	Ford	75.2	Grot	26.7
3d	153	Nagle	54.6	McIntee	45.4	16th	131	Dingell	77.8	Kessel	24.2
4th	157	Smith	68.3	Lockard	31.6	17th	137	Lavin	76.4	Grzywacki	22.2
5th	144	Hughes	40.8	Lightfoot	59.2	18th	148	Kohut	26.2	Williams	22.5
6th	181	Hodgeson	48.0	Grandy	50.8					Broom-	
<b>KS</b>	787	(x)	(x)	(x)	(x)	<b>MM</b>	1,383	(x)	(x)	(x)	(x)
1st	185	Lyon	23.5	Roberts	76.5	1st	173	Penny	72.4	Rued	27.4
2d	157	Slatery	70.6	Kane	29.4	2d	194	Johnson	48.4	Grave	27.8
3d	109	(1)	(1)	Myers	100.0	3d	182	Stock	29.9	Weber	51.8
4th	172	Glickman	64.5	Knight	35.5	4th	155	Vento	72.9	Franzel	70.1
5th	184	Myers	28.8	Whitaker	71.1	5th	145	Sabo	72.7	Stassen	27.1
<b>KY</b>	838	(x)	(x)	(x)	(x)	6th	168	Skorak	85.8	Serra	25.8
1st	84	Hubbard	100.0	(1)	(1)	7th	189	Peterson	49.6	Sykora	34.2
2d	58	Natcher	100.0	(1)	(1)					Stange-	
3d	112	Mazzoli	73.0	Holmes	26.1	8th	187	Oberstar	72.6	land	48.7
4th	123	Mann	43.8	Bunning	56.1	<b>MS</b>	824	(x)	(x)	(x)	(x)
5th	57	(1)	(1)	Rogers	100.0	1st	80	Whitten	66.4	Rued	27.4
6th	102	Hammord	25.7	Hopkins	74.3	2d	141	Espy	51.7	Cobb	25.8
7th	114	Partins	79.8	Polley	20.4	3d	81	Montgom-	100.0	Franklin	48.3
<b>LA</b>	381	(x)	(x)	(x)	(x)	4th	120	Dowdy	71.5	ery	(1)
1st	(x)	(x)	(x)	Living-	(x)	5th	91	Albritton	17.7	Healy	25.5
				ston	(x)	<b>MO</b>	1,430	(x)	(x)	(x)	(x)
2d	(x)	Boggs	(x)	(x)	(x)	1st	138	Clay	68.1	Whitman	35.8
3d	(x)	Tauzin	(x)	(x)	(x)	2d	195	Young	48.1	Buechner	51.8
4th	(x)	Rosner	(x)	(x)	(x)	3d	189	Gephardt	69.0	Ames	31.0
5th	(x)	Huckaby	(x)	(x)	(x)	4th	129	Skelton	100.0	(1)	(1)
6th	(x)	(x)	(x)	Baker	(x)	5th	143	Wheel	70.8	Fisher	27.6
7th	191	(*)	100.0	(x)	(x)	6th	189	Hughes	43.3	Coleman	56.7
8th	198	Williams	48.6	Holloway	51.4	7th	171	Young	33.0	Taylor	67.0
<b>ME</b>	422	(x)	(x)	(x)	(x)	8th	151	Cryts	47.5	Emerson	52.5
1st	229	Brennan	53.2	Ives	43.7	9th	167	Volkmer	57.5	Uthaut	42.5
2d	192	Charrette	22.7	Snowe	77.3	<b>MT</b>	318	(x)	(x)	(x)	(x)
<b>MD</b>	1,083	(x)	(x)	(x)	(x)	1st	180	Williams	61.7	Allen	38.3
1st	132	Oyson	68.8	Williams	31.2	2d	158	O'Brien	46.5	Marionne	53.5
2d	185	Townsend	41.3	Bartley	58.7	<b>NE</b>	865	(x)	(x)	(x)	(x)
3d	127	Cardin	79.1	Perpoint	20.9	1st	189	Burns	35.5	Bensuler	64.4
4th	130	McMillen	50.2	Neall	49.8	2d	170	Cefinger	41.3	Daub	58.8
5th	100	Hoyer	61.8	Sellner	18.1	3d	196	Schwell	30.2	Smith	69.8
6th	143	Byron	72.2	Vanden-		<b>NV</b>	287	(x)	(x)	(x)	(x)
				berge	27.8	1st	114	Bibrey	54.1	Ryan	44.0
7th	91	Mune	65.7	Crosse	13.3	2d	143	Stanzani	41.6	Vuceno-	
8th	176	Bairum	47.1	Morella	52.9	<b>NH</b>	341	(x)	(x)	(x)	(x)
<b>MA</b>	1,883	(x)	(x)	(x)	(x)	1st	128	Demers	43.6	Smith	56.3
1st	148	Weiner	22.2	Conte	77.8	2d	115	Craig-	25.8	Gregg	74.2
2d	138	Boland	65.8	Lees	34.1						
3d	120	Early	100.0	(*)	(*)						

See footnotes at end of table.

**NO. 402. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—  
CONGRESSIONAL DISTRICTS: 1966—Continued**

[See footnote, p. 237]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
<b>MD</b>	<b>1,854</b>	(x)	(x)	(x)	(x)	<b>MD</b>	<b>285</b>	Dorgan	75.5	Vinje	23.4
1st	124	Florio	75.6	Buech	23.6	<b>OH</b>	<b>3,887</b>	(x)	(x)	(x)	(x)
2d	123	Hughes	68.3	Benning- ton	28.6	1st	147	Luker	61.7	Morr	36.3
3d	126	Howard	58.7	Kennedy	41.3	2d	149	Steneman	29.3	Gradison	70.7
4th	129	Laurenti	38.3	Smith	61.1	3d	133	Hall	73.7	Crutcher	26.3
5th	126	Jolley	25.4	Roukema	74.6	4th	154	Crafty	17.1	Oxley	75.1
6th	96	Dwyer	69.0	Scales- mont	28.9	5th	157	Murray	36.0	Letts	65.0
7th	117	Fischer	21.0	Rinaldo	79.0	6th	151	Roberts	27.9	McEwen	70.3
8th	92	Roe	82.8	Zampino	37.2	7th	119	(1)	(1)	DeWine	100.0
9th	130	Tomicelli	66.0	Jones	31.0	8th	145	Griffin	31.9	Lukens	68.1
10th	49	Rodino	95.9	(1)	(1)	9th	136	Kaptur	77.5	Shufeldt	22.5
11th	110	Astin	32.0	Gallo	68.0	10th	152	Buchanan	29.6	Miller	70.4
12th	115	Crespi	36.5	Courter	63.5	11th	145	Eckert	72.5	Mueller	27.5
13th	127	Wydra	34.6	Saxon	65.4	12th	161	Jochim	26.6	Kasich	73.4
14th	89	Guarino	70.7	Sires	29.7	13th	141	Pease	62.8	Nelson	37.2
<b>ME</b>	<b>399</b>	(x)	(x)	(x)	(x)	14th	155	Sewyer	53.7	Sieby	46.3
1st	126	Garcia	29.1	Lujan	70.9	15th	153	Jackson	36.3	Wyle	63.7
2d	124	Runnels	37.1	Skeen	62.9	16th	155	Kennick	23.7	Regula	76.3
3d	134	Richard- son	71.3	Cargo	28.7	17th	156	Traflet	72.3	Fulks	27.7
<b>NY</b>	<b>3,894</b>	(x)	(x)	(x)	(x)	18th	127	Applegate	100.0	(1)	(1)
1st	131	Hoch- bruck- ner	51.2	Glass	42.3	19th	179	Feighan	54.8	Suhadol- nik	45.2
2d	100	Downey	64.3	Buttke	32.4	20th	131	Oskar	64.9	Smith	15.1
3d	149	Mrszek	56.4	Guarino	40.6	21st	122	Stokas	81.6	Roski	18.4
4th	142	Sullivan	30.6	Lent	64.8	<b>OK</b>	<b>725</b>	(x)	(x)	(x)	(x)
5th	143	Sullivan	34.7	McGrath	65.3	1st	144	Alison	42.8	Inhole	54.8
6th	95	Flake	67.7	Diet	32.3	2d	156	Synar	73.3	Rice	26.7
7th	81	Ackerman	77.4	Rodriguez	22.6	3d	146	Watkins	78.1	Miller	21.9
8th	78	Scheuer	90.2	(1)	(1)	4th	125	McCurdy	76.2	Hum- phreys	23.8
9th	73	Manton	99.4	Cates	24.7	5th	154	Compton	29.4	Edwards	70.6
10th	82	Schumer	93.3	(1)	(1)	6th	(1)	English	(x)	(1)	(1)
11th	47	Towns	99.4	Hendricks	8.7	<b>OR</b>	<b>1,032</b>	(x)	(x)	(x)	(x)
12th	48	Owens	91.5	Augustine	6.0	1st	229	AuCoin	61.7	Mesker	38.3
13th	74	Solatz	82.4	Nadrowski	14.8	2d	189	Tuttle	39.8	Smith	60.2
14th	94	Wells	29.7	Molnar	68.8	3d	210	Wyden	85.9	Phelan	14.0
15th	100	Hirsch	42.0	Green	58.0	4th	196	DeFazio	54.1	Long	45.9
16th	64	Rangel	96.4	(1)	(1)	5th	208	Ross	39.5	Smith	60.5
17th	111	Weiss	85.5	Chorba	14.0	<b>PA</b>	<b>3,306</b>	(x)	(x)	(x)	(x)
18th	46	Garcia	93.5	Chase	5.3	1st	118	Foglietta	74.7	Mucciolo	25.3
19th	97	Blaggi	90.2	(1)	(1)	2d	130	Gray	98.4	(1)	(1)
20th	149	Abzug	44.8	DiGuardi	53.9	3d	174	Borski	61.8	Rovner	38.2
21st	133	Grun- berger	21.2	Fish	78.5	4th	143	Kotler	60.4	Underay	39.7
22d	136	Bur- ingham	27.2	Gilman	69.5	5th	133	Ringgold	34.3	Schultz	65.7
23d	146	Stratton	96.4	(1)	(1)	6th	142	Yatron	69.1	Bertess- vage	30.9
24th	167	Bloch	29.8	Solomon	70.4	7th	180	Spangler	38.7	Weldon	61.3
25th	151	Conway	22.4	Boehert	69.0	8th	156	Kostmeyer	55.0	Christen	45.0
26th	95	(1)	(1)	Martin	100.0	9th	121	(1)	(1)	Shuster	100.0
27th	168	Pooler	49.1	Wortley	49.7	10th	159	Bolus	25.3	McDade	74.7
28th	152	McHugh	68.3	Masterson	31.7	11th	159	Karjane	70.6	Holtzman	29.4
29th	141	Vogel	24.2	Horton	70.7	12th	144	Murtha	67.4	Holtzman	32.6
30th	170	Slaughter	51.0	Eckert	49.0	13th	172	Hoefel	41.5	Coughlin	58.5
31st	161	Keane	42.0	Kemp	57.5	14th	117	Coyne	89.6	(1)	(1)
32d	110	Lafalce	91.0	(1)	(1)	15th	132	Simonetta	43.2	Peter	56.8
33d	128	Nowak	85.1	Walker	14.9	16th	135	Hagelgers	25.4	Walker	74.6
34th	143	Himelein	39.9	Houghton	60.1	17th	137	Opden	26.4	Gates	73.6
<b>NC</b>	<b>1,873</b>	(x)	(x)	(x)	(x)	18th	165	Walgren	63.0	Buckman	37.0
1st	131	Jones	69.6	Moye	30.5	19th	137	Thornton	27.1	Goodling	72.9
2d	128	Valentine	74.6	McE- honey	25.4	20th	139	Gaydos	98.5	(1)	(1)
3d	111	Lancaster	64.5	Hurst	35.5	21st	137	Blackwell	19.1	Fudge	80.9
4th	166	Price	55.7	Cobey	44.3	22d	132	Murphy	100.0	(1)	(1)
5th	160	Neal	54.1	Epperson	45.9	23d	143	Wachob	44.5	Clinger	55.5
6th	145	Britt	50.0	Coble	50.0	<b>RI</b>	<b>396</b>	(x)	(x)	(x)	(x)
7th	110	Rose	64.2	Hartson	35.8	1st	147	St	57.7	Holmes	42.3
8th	140	Hefner	57.9	Hamby	42.1	2d	156	Germain	28.2	Schneider	71.8
9th	157	Martin	48.7	McMillan	51.3	<b>SC</b>	<b>717</b>	(x)	(x)	(x)	(x)
10th	146	Roark	42.5	Bellenger	57.5	1st	115	Stuckey	48.0	Ravenel	52.0
11th	181	Clarke	50.7	Hendon	49.3	2d	137	Ziegler	46.4	Spence	53.6
						3d	116	Derrick	69.4	Dickson	31.5
						4th	130	Peterson	51.4	Workman	47.3

See footnotes at end of table.

**NO. 402. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—  
CONGRESSIONAL DISTRICTS: 1986—Continued**

[See headnote, p. 237]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
<b>SC—Con.</b>						<b>UT</b>	429	(x)	(x)	(x)	(x)
5th	96	Spratt	99.7	(1)	(1)	1st	159	McKay	48.4	Hansen	51.6
6th	122	Tallon	75.5	Cun- ningham	24.5	2d	139	Owens	55.2	Shimizu	43.7
<b>SD</b>	290	Johnson	59.2	Bell	40.8	3d	130	Gardner	32.7	Nelson	66.8
<b>TN</b>	1,196	(x)	(x)	(x)	(x)	<b>VT</b>	189	(1)	(1)	Jeffords	98.1
1st	117	Russell	31.1	Cullen	68.9	<b>VA</b>	1,043	(x)	(x)	(x)	(x)
2d	126	Bowen	23.8	Duncan	76.2	1st	144	Scott	44.0	Bateman	56.0
3d	139	Lloyd	53.9	Golden	46.1	2d	110	Pickett	49.5	Canada	41.9
4th	87	Cooper	100.0	(1)	(1)	3d	111	Powell	29.6	Bliley	67.0
5th	147	Boner	57.9	Holcomb	39.9	4th	85	Slesky	99.8	(1)	(1)
6th	133	Gordon	76.8	Vall	23.2	5th	90	Daniel	81.6	(1)	(1)
7th	130	Hiler	27.7	Sundquist	72.3	6th	125	Din	69.0	Traywick	30.1
8th	127	Jones	60.4	Campbell	19.6	7th	80	(1)	(1)	Slaughter	96.3
9th	100	Ford	63.4	(1)	(1)	8th	118	Boren	36.2	Parris	61.8
<b>TX</b>	3,010	(x)	(x)	(x)	(x)	9th	80	Boucher	89.0	(1)	(1)
1st	84	Chapman	100.0	(1)	(1)	10th	159	Millen	39.6	Wolf	60.2
2d	136	Wilson	56.8	Gordon	40.6	<b>WA</b>	1,296	(x)	(x)	(x)	(x)
3d	162	(1)	(1)	Bartlett	94.1	1st	191	Lindquist	46.6	Miller	51.4
4th	136	Hall	71.7	Blow	28.3	2d	173	Swift	72.2	Talman	27.8
5th	96	Bryant	58.5	Carter	40.7	3d	156	Bonker	73.6	Wing	26.4
6th	154	Geren	44.2	Barton	55.8	4th	146	Goedecke	27.9	Morrison	72.1
7th	149	Kniffen	11.9	Archer	87.4	5th	163	Foley	74.7	Wakefield	25.3
8th	87	Mann	31.6	Fields	68.4	6th	126	Dicks	71.2	Bratton	28.8
9th	119	Brooks	61.5	Duperier	38.5	7th	171	Lowry	72.6	Maddon- sid	27.4
10th	186	Pinkle	72.3	Rylander	27.7	8th	165	Giles	34.8	Chandler	65.2
11th	84	Leath	100.0	(1)	(1)	<b>WV</b>	396	(x)	(x)	(x)	(x)
12th	123	Wright	66.7	McNell	31.3	1st	91	Mollohan	100.0	(1)	(1)
13th	131	Seal	35.1	Boutter	64.9	2d	110	Staggers	69.5	Golden	30.5
14th	142	Laughlin	47.7	Sweeney	52.3	3d	113	Wise	64.9	Sharp	35.1
15th	71	De La				4th	82	Rahall	71.3	Miller	28.7
		Gerza	100.0	(1)	(1)	<b>WI</b>	1,389	(x)	(x)	(x)	(x)
16th	77	Coleman	66.7	Gills	34.3	1st	143	Aspin	74.3	Peterson	24.1
17th	98	Sterholm	100.0	(1)	(1)	2d	193	Kasten- meier	55.6	Haney	44.2
18th	70	Leland	90.2	(1)	(1)	3d	163	Mulder	35.9	Gunder- son	64.1
19th	111	McCath- ern	38.0	Combest	62.0	4th	121	Kaczka	99.6	(1)	(1)
20th	55	Gonzalez	100.0	(1)	(1)	5th	111	Moody	99.0	(1)	(1)
21st	186	Snelson	36.5	Smith	63.5	6th	129	(1)	(1)	Petri	96.6
22d	107	Director	26.2	DeLay	71.8	7th	172	Obey	62.1	Herman- ing	36.9
23d	76	Busta-				8th	175	Williams	32.6	Roth	67.4
		ments	90.7	(1)	(1)	9th	177	Popp	21.8	Sensen- brenner	78.2
24th	103	Frost	67.2	Burt	32.8	<b>WY</b>	186	Gilmore	30.5	Cheney	69.5
25th	67	Andrews	100.0	(1)	(1)						
26th	149	Richard- son	31.9	Armey	68.1						
27th	64	Ortiz	100.0	(1)	(1)						

X Not applicable. <sup>1</sup> No candidate. <sup>2</sup> State law does not require tabulation of votes for unopposed candidates. <sup>3</sup> The winning Republican candidate received 75,879 votes; the Democratic candidate, 75,932. <sup>4</sup> Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. <sup>5</sup> Candidate listed won seat in open-primary. <sup>6</sup> Two Democratic candidates in run-off. Winner was Hayes. <sup>7</sup> The winning Republican candidate received 72,389 votes; the Democratic candidate, 72,250.

Source: Elections Research Center, America Votes, biennial.

**NO. 403. REPRESENTATIVES ELECTED, BY PERCENT OF VOTE CAST FOR WINNER AND MAJOR PARTY, 1970 TO 1986, AND BY STATE, 1986**

[For composition of regions, see fig. 1, inside front cover]

YEAR, REGION, DIVISION, AND STATE	TOTAL REPRESENTATIVES ELECTED				DEMOCRATS ELECTED				REPUBLICANS ELECTED				REPRESENTATIVES ELECTED WITH NO MAJOR PARTY OPPOSITION		
	Total	Percentage of vote			Total	Percentage of vote			Total	Percentage of vote			Total	Demo- crats	Republi- cans
		Under 55	55- 69.9	60 and over		Under 55	55- 69.9	60 and over		Under 55	55- 69.9	60 and over			
1970	436	59	84	312	295	28	26	201	180	31	36	111	63	68	5
1972	435	67	80	308	242	28	29	185	192	36	31	123	54	48	8
1974	436	105	89	281	291	48	34	208	144	57	35	52	60	68	1
1976	436	76	82	267	292	52	32	208	143	24	30	69	52	40	8
1978	436	74	81	300	277	46	36	195	158	26	25	106	70	51	19
1980	436	78	83	294	243	35	35	173	182	43	26	121	54	39	15
1982	436	78	73	286	269	40	33	188	166	36	40	90	58	46	10
1984	436	58	56	321	253	33	38	182	182	25	16	139	66	54	14
1986, total	436	46	41	348	288	22	18	218	177	24	23	130	72	64	18
Regions:															
Northeast	95	6	10	79	55	3	4	48	40	3	6	31	19	18	3
Midwest	113	16	10	87	62	7	6	49	51	9	4	36	8	4	4
South	116	16	12	114	90	7	6	83	46	9	6	31	43	33	10
West	96	8	9	88	45	5	2	38	40	3	7	30	2	1	1
N. Eng.	24	2	2	20	15	1	1	13	8	1	1	7	3	7	1
ME	2	1	-	1	1	1	-	-	1	-	-	1	-	-	-
NH	2	-	1	1	-	-	-	-	2	-	1	1	-	-	-
VT	1	-	-	1	-	-	-	-	1	-	-	1	1	-	1
MA	11	-	-	11	10	-	-	10	1	-	-	1	7	7	-
RI	2	-	1	1	1	-	1	-	1	-	-	1	-	-	-
CT	6	1	-	5	3	-	-	3	3	1	-	2	-	-	-
Mid. Atl.	71	4	8	69	40	2	3	35	31	2	5	24	11	8	2
NY	34	4	3	27	20	2	1	17	14	2	2	10	5	4	1
NJ	14	-	1	13	8	-	-	7	8	-	-	6	1	1	-
PA	23	-	4	19	12	-	1	11	11	-	3	8	5	4	1
E. No. Cent.	86	10	5	66	46	8	4	38	34	4	1	29	6	3	3
OH	21	2	-	19	11	2	-	9	10	-	-	10	2	1	1
IN	10	3	1	6	8	2	1	3	4	1	-	3	-	-	-
IL	22	4	1	17	13	2	1	10	8	2	-	7	1	-	1
MI	18	1	2	15	11	-	1	10	7	1	1	5	-	-	-
WI	9	-	1	8	5	-	1	4	4	-	-	4	3	2	1
W. No. Cent.	33	6	6	22	16	1	2	13	17	6	2	8	2	1	1
MN	8	2	-	6	5	-	-	5	3	2	-	1	-	-	-
IA	9	2	1	3	2	1	-	1	4	1	1	2	-	-	-
MO	9	2	2	5	5	-	1	4	4	2	1	1	-	1	-
ND	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
SD	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-
NE	3	-	1	2	-	-	-	-	3	-	1	2	-	-	-
KS	5	-	-	5	2	-	-	2	3	-	-	3	1	-	1
So. Atl.	86	11	8	62	46	6	2	41	21	6	4	11	18	14	8
DE	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
MD	8	2	1	5	5	1	-	5	2	1	1	-	-	-	-
VA	10	1	1	8	5	1	-	4	5	-	1	4	4	3	1
WY	4	-	-	4	4	-	-	4	-	-	-	-	1	1	-
NC	11	4	3	4	8	2	2	4	3	2	1	-	-	-	-
SC	6	3	-	3	4	1	-	3	2	2	1	-	1	1	-
GA	10	1	1	8	8	-	-	8	2	1	1	-	4	4	-
FL	18	-	-	18	12	-	-	12	7	-	-	7	9	5	4
E. So. Cent.	28	2	3	23	19	2	2	15	9	-	1	8	7	6	2
KY	7	-	1	6	4	-	-	4	3	-	1	2	3	2	1
TN	9	1	1	7	6	1	1	4	3	-	-	3	2	2	-
AL	7	-	1	6	5	-	1	4	2	-	-	2	1	1	1
MS	5	1	-	4	4	1	-	3	1	-	-	1	1	-	-
W. So. Cent.	46	2	2	38	29	-	2	27	18	2	1	12	17	14	3
AR	4	-	-	4	3	-	-	3	1	-	-	1	-	-	-
LA	8	1	1	6	5	-	1	4	3	1	-	2	6	4	2
OK	6	1	-	5	4	-	-	4	2	1	-	1	1	1	-
TX	27	1	2	24	17	-	1	16	10	1	1	8	10	9	1
MT	24	6	2	16	9	4	1	4	16	2	1	12	1	-	1
WY	2	1	-	1	1	-	-	1	1	1	-	-	-	-	-
ID	2	1	-	1	1	1	-	-	1	-	-	1	-	-	-
CO	6	2	-	4	3	2	-	1	3	-	-	3	-	-	-
NM	3	-	-	3	1	-	-	1	2	-	-	2	-	-	-
AZ	5	-	-	5	1	-	-	1	4	-	-	4	1	-	1
UT	3	1	1	1	1	-	1	-	2	1	-	1	-	-	-
NV	2	1	1	-	1	1	-	-	1	-	1	-	-	-	-
Pac.	61	2	7	52	26	1	1	34	26	1	8	18	1	1	-
WA	6	1	-	7	5	-	-	5	3	1	-	2	-	-	-
OR	5	1	-	4	3	1	-	2	2	-	-	2	-	-	-
CA	1	-	5	40	27	-	1	26	18	-	4	14	1	1	-
AK	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-
HI	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-

- Represents zero. \* Includes one Representative elected as an independent.

† Run off election between two Democratic candidates, no Republican candidate.

Source: Compiled by U.S. Bureau of the Census from Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report* vol. 46, No. 11, March 14, 1987 and previous issues (copyright).

No. 404. COMPOSITION OF CONGRESS, BY POLITICAL PARTY: 1939 TO 1987

[D=Democratic, R=Republican. Data for beginning of first session of each Congress, exclude vacancies at beginning of session. See also *Historical Statistics, Colonial Times to 1970*, series Y 204-210]

YEAR	Party and President	Congress	HOUSE			SENATE		
			Majority party	Minority party	Other	Majority party	Minority party	Other
1939	D (F. Roosevelt)	76th	D-261	R-180	4	D-69	R-23	4
1941	D (F. Roosevelt)	77th	D-268	R-162	5	D-66	R-26	2
1943	D (F. Roosevelt)	78th	D-218	R-208	4	D-55	R-37	1
1945	D (F. Roosevelt)	79th	D-242	R-190	2	D-66	R-36	1
1947	D (Truman)	80th	D-245	R-168	1	R-51	D-45	-
1949	D (Truman)	81st	D-263	R-171	1	D-54	R-42	-
1951	D (Truman)	82d	D-234	R-199	1	D-49	R-47	-
1953	R (Eisenhower)	83d	R-221	D-211	1	R-48	D-47	1
1955	R (Eisenhower)	84th	D-232	R-203	-	D-49	R-47	1
1957	R (Eisenhower)	85th	D-233	R-200	-	D-49	R-47	-
1958 <sup>1</sup>	R (Eisenhower)	86th	D-234	R-153	-	D-66	R-35	-
1961	D (Kennedy)	87th	D-263	R-174	-	D-55	R-35	-
1963	D (Kennedy)	88th	D-258	R-177	-	D-67	R-33	-
1965	D (Johnson)	89th	D-295	R-140	-	D-66	R-32	-
1967	D (Johnson)	90th	D-247	R-187	-	D-64	R-36	-
1969	R (Nixon)	91st	D-243	R-192	-	D-67	R-48	-
1971 <sup>2</sup>	R (Nixon)	92d	D-234	R-180	-	D-54	R-44	2
1973 <sup>2</sup>	R (Nixon)	93d	D-239	R-182	1	D-66	R-42	2
1975 <sup>4</sup>	R (Ford)	94th	D-291	R-144	-	D-66	R-37	2
1977 <sup>5</sup>	D (Carter)	95th	D-292	R-143	-	D-61	R-36	1
1979 <sup>5</sup>	D (Carter)	96th	D-276	R-157	-	D-59	R-41	1
1981 <sup>6</sup>	R (Reagan)	97th	D-243	R-192	-	R-53	D-49	1
1983	R (Reagan)	98th	D-268	R-185	-	R-54	D-46	-
1985	R (Reagan)	99th	D-252	R-182	-	R-53	D-47	-
1987	R (Reagan)	100th	D-268	R-177	-	D-55	R-45	-

- Represents zero. <sup>1</sup> Includes Hawaii; members seated Aug. 1959. <sup>2</sup> Senate had 1 Independent and 1 Conservative-Republican. <sup>3</sup> House had 1 Independent-Democrat. <sup>4</sup> Senate had 1 Independent, 1 Conservative-Republican, and 1 undecided (New Hampshire). <sup>5</sup> Senate had 1 Independent.

Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual; beginning 1977, biennial.

No. 405. CONGRESSIONAL BILLS, ACTS, AND RESOLUTIONS: 1969 TO 1986

[Excludes simple and concurrent resolutions. See also *Historical Statistics, Colonial Times to 1970*, series Y 189-196]

ITEM	91st Cong., 1969-70	92d Cong., 1971-72	93d Cong., 1973-74	94th Cong., 1975-76	95th Cong., 1977-79	96th Cong., 1979-80	97th Cong., 1981-82	98th Cong., 1983-84	99th Cong., 1985-86
Measures introduced	26,303	22,989	23,398	21,099	19,367	12,583	11,490	11,158	9,885
Bills	24,631	21,363	21,950	19,762	18,045	11,722	10,582	10,134	8,697
Joint resolutions	1,672	1,626	1,448	1,334	1,342	961	908	1,022	1,190
Measures enacted	941	768	774	729	803	738	529	677	483
Public	695	697	851	588	633	613	473	623	483
Private	246	161	123	141	170	123	56	54	17

Source: U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

No. 403. CONGRESSIONAL BILLS VETOED: 1923 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series Y 199-203]

PERIOD	President	Total vetoes	Regular vetoes	Pocket vetoes	Vetoes sustained	Bills passed over veto
1923-1928	Coolidge	50	20	30	48	4
1929-1933	Hoover	37	21	16	34	3
1933-1945	F. Roosevelt	635	372	263	626	9
1945-1953	Truman	250	160	70	235	12
1953-1961	Eisenhower	181	73	108	179	2
1961-1963	Kennedy	21	12	9	21	-
1963-1969	Johnson	30	16	14	30	-
1969-1974	Nixon	42	24	18	36	6
1974-1977	Ford	72	53	19	80	12
1977-1981	Carter	31	13	18	29	2
1981-1986	Reagan	59	31	28	53	6

- Represents zero.

Source: U.S. Congress, Senate Library, *Presidential Vetoes . . . 1789-1986*; U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

## 107. COMPOSITION OF CONGRESS, BY POLITICAL PARTY AFFILIATION—STATES: 1961 TO 1967

a are for the beginning of the first session. Dem. = Democratic; Rep. = Republican. For composition of regions, see fig. 1, inside front cover]

DIVISION, AND STATE	REPRESENTATIVES								SENATORS							
	87th Cong., 1961		88th Cong., <sup>1</sup> 1963		89th Cong., <sup>2</sup> 1965		100th Cong., 1967		97th Cong., <sup>3</sup> 1961		98th Cong., 1963		99th Cong., 1965		100th Cong., 1967	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
<b>ALL</b>	243	193	260	195	252	182	259	177	46	53	46	54	47	53	55	46
Ala.	59	45	58	37	54	41	55	40	9	9	9	9	9	9	9	9
Ark.	58	63	62	51	61	51	62	51	10	14	10	14	12	12	13	11
Cal.	87	47	103	39	89	49	88	49	18	13	18	14	18	14	23	9
Col.	39	37	46	35	44	41	45	40	9	17	9	17	8	18	10	18
Conn.	16	8	16	8	14	16	15	9	6	6	6	6	6	6	6	6
Del.	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1
Fla.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ga.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Idaho	10	2	10	1	10	1	10	1	2	1	2	1	2	1	2	1
Ill.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ind.	4	2	4	2	3	3	3	3	1	1	1	1	1	1	1	1
Iowa	43	30	42	29	46	31	49	31	3	3	3	3	3	3	3	3
Kan.	22	17	20	14	19	15	20	14	1	1	1	1	1	1	1	1
Kent.	6	7	6	5	6	6	6	6	2	2	2	2	2	2	2	2
Louis.	19	12	13	10	19	10	12	11	1	2	1	2	1	2	1	2
Maine	43	43	44	35	44	35	48	34	6	4	6	4	7	3	7	3
Maryl.	13	10	11	11	11	10	11	10	2	1	2	1	2	1	2	1
Mass.	6	5	5	5	4	5	6	4	1	2	1	2	1	2	1	2
Mich.	10	14	12	10	13	8	13	9	1	1	1	1	2	1	2	1
Minn.	12	7	12	6	11	7	11	7	2	1	2	1	2	1	2	1
Miss.	6	4	5	4	5	4	5	4	1	1	1	1	1	1	1	1
Mont.	15	30	15	15	17	15	16	17	4	16	4	16	5	8	8	8
Nebr.	3	5	3	3	5	3	5	3	1	2	1	2	1	2	1	2
Nev.	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1
N.H.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N.J.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N.M.	1	3	1	3	1	3	1	3	2	2	2	2	2	2	2	2
N.Y.	1	4	2	3	2	3	2	3	1	2	1	2	1	2	1	2
Ohio	39	39	39	19	44	25	45	21	7	8	7	8	7	8	11	5
Ore.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Penn.	7	1	7	1	6	2	6	2	1	1	1	1	1	1	1	1
R.I.	1	9	4	6	4	6	5	4	1	1	1	1	1	1	1	1
S.D.	2	2	4	4	4	4	4	4	2	2	2	2	2	2	2	2
Tenn.	7	4	6	2	6	5	6	3	1	2	1	2	1	2	1	1
Texas	2	4	3	3	3	3	4	2	1	1	1	1	1	1	1	1
Vt.	9	1	9	1	6	2	6	2	1	1	1	1	1	1	1	1
Wash.	11	4	13	6	12	7	12	7	1	1	1	1	1	1	1	1
Wisc.	15	11	15	10	15	10	15	9	5	3	5	3	5	3	6	2
W.Va.	4	3	4	3	4	3	4	3	2	1	2	1	2	1	2	1
Wyom.	5	3	6	3	6	3	6	3	1	1	1	1	1	1	1	1
Unaffiliated	4	3	5	2	5	2	5	2	1	1	1	1	1	1	1	1
Dem.	32	10	36	16	31	14	29	16	8	2	6	2	6	2	6	3
Rep.	2	2	2	2	3	1	3	1	2	1	2	1	2	1	2	1
Unaffiliated	8	2	6	2	6	2	5	3	2	1	2	1	2	1	2	1
Dem.	5	1	5	1	5	1	4	2	1	1	1	1	1	1	1	1
Rep.	19	5	22	5	17	10	17	10	1	1	1	1	1	1	1	1
Unaffiliated	7	12	8	16	7	17	9	15	5	11	5	11	5	11	8	10
Dem.	1	1	1	1	1	1	1	1	2	1	2	1	2	1	2	1
Rep.	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2
Unaffiliated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dem.	3	2	3	2	2	4	3	3	1	1	1	1	1	1	1	1
Rep.	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Unaffiliated	2	2	2	2	1	4	1	4	1	1	1	1	1	1	1	1
Dem.	1	2	1	3	1	3	1	2	1	2	1	2	1	2	1	2
Rep.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Unaffiliated	32	25	36	23	37	24	36	25	4	6	4	6	3	7	4	6
Dem.	5	2	5	3	5	3	5	3	1	1	1	1	1	2	1	1
Rep.	3	1	3	2	3	2	3	2	1	2	1	2	1	2	1	2
Unaffiliated	22	21	28	17	27	18	27	18	1	1	1	1	1	1	1	1
Dem.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rep.	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1

presents zero.

<sup>1</sup> Colorado had one vacancy.

<sup>2</sup> Indiana had one vacancy.

<sup>3</sup> Virginia had one Senator classified as

U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial; and unpublished data.

### NO. 408. MEMBERS OF CONGRESS—INCUMBENTS RE-ELECTED: 1962 TO 1986

ITEM	PRESIDENTIAL-YEAR ELECTIONS						MIDTERM ELECTIONS						
	1964	1968	1972	1976	1980	1984	1962	1966	1970	1974	1978	1982	1986
<b>Representatives:</b>													
Incumbent candidates.....	397	408	360	384	368	411	452	411	401	391	382	383	394
Re-elected.....	344	365	385	388	381	392	398	382	379	349	358	364	385
Percent of candidates.....	86.6	89.6	93.6	95.8	90.7	95.3	81.5	86.1	94.5	87.7	93.7	90.1	97.7
Defeated: in primaries.....	8	4	12	3	6	3	12	8	10	8	5	10	3
In general elections.....	45	9	13	13	31	18	22	41	12	40	19	29	6
<b>Senators:</b>													
Incumbent candidates.....	33	28	27	25	29	29	35	32	31	27	25	30	28
Re-elected.....	28	20	20	18	16	26	29	26	24	23	15	28	21
Percent of candidates.....	84.8	71.4	74.1	64.0	55.2	89.7	82.9	87.5	77.4	85.2	60.0	93.3	75.0
Defeated: in primaries.....	1	4	2	—	4	—	1	3	1	2	3	—	—
In general elections.....	4	4	5	8	9	3	5	1	6	2	7	2	7

— Represents zero. <sup>1</sup> Six incumbents defeated in primaries by other incumbents due to redistricting.

Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 44, No. 45, Nov. 6, 1986. (Copyright.)

### NO. 409. MEMBERS OF CONGRESS—SELECTED CHARACTERISTICS: 1971 TO 1987

(As of beginning of first session of each Congress. Figures for Representatives exclude vacancies)

MEMBERS OF CONGRESS AND YEAR	Male	Female	Black	Married	Not married <sup>1</sup>	AGE (in years)					
						Under 40	40-49	50-59	60-69	70-79	80 and over
REPRESENTATIVES											
92d Cong., 1971	421	12	12	407	28	40	133	152	86	19	3
93d Cong., 1973	419	14	15	399	34	45	132	154	80	20	2
94th Cong., 1975	416	19	15	381	34	89	136	137	76	14	2
95th Cong., 1977	417	18	16	379	38	81	121	147	71	15	—
96th Cong., 1979	417	16	16	384	33	86	125	145	63	14	—
97th Cong., 1981	416	19	17	349	66	84	142	132	64	12	1
98th Cong., 1983	413	21	21	386	26	88	145	132	57	13	1
99th Cong., 1985	412	22	20	386	26	71	154	131	59	17	2
100th Cong., 1987	412	23	23	371	41	83	153	137	58	24	2
SENATORS											
92d Cong., 1971	99	1	1	97	2	4	24	32	23	16	1
93d Cong., 1973	100	—	1	98	2	3	25	37	23	11	1
94th Cong., 1975 <sup>2</sup>	100	—	1	94	6	5	21	35	24	15	—
95th Cong., 1977	100	—	1	91	9	6	26	36	21	10	2
96th Cong., 1979	99	1	—	95	4	10	31	33	17	8	1
97th Cong., 1981	96	2	—	93	3	9	35	38	14	6	—
98th Cong., 1983	96	2	—	90	6	7	28	39	20	3	3
99th Cong., 1985	98	2	—	92	6	4	27	38	25	4	2
100th Cong., 1987	98	2	—	90	8	5	30	38	22	5	2

— Represents zero. <sup>1</sup> Single, widowed, or divorced. <sup>2</sup> Includes Senator Durkin, NH, seated Sept. 1975.

### NO. 410. MEMBERS OF CONGRESS—SENIORITY AND OCCUPATION: 1981 TO 1987

(As of beginning of first session of each Congress. Dem. = Democratic; Rep. = Republican)

SENIORITY AND OCCUPATION	REPRESENTATIVES						SENATORS					
	97th Cong., 1981	98th Cong., 1983	99th Cong., 1985	100th Cong., 1987			97th Cong., 1981	98th Cong., 1983	99th Cong., 1985	100th Cong., 1987		
				Total	Dem.	Rep.				Total	Dem.	Rep.
<b>Total</b> .....	435	438	436	436	258	177	100	100	100	100	55	45
<b>Seniority:</b> <sup>1</sup>												
Less than 2 years.....	77	83	49	51	28	23	19	5	8	14	12	2
2-9 years.....	231	224	237	221	117	104	51	61	58	41	16	25
10-19 years.....	96	66	104	114	74	40	17	21	27	38	18	17
20-29 years.....	23	28	34	37	29	8	11	10	7	7	7	—
30 years or more.....	8	11	10	12	10	2	2	3	2	2	1	1
<b>Occupation:</b> <sup>2</sup>												
Agriculture.....	29	29	24	20	10	10	9	9	7	5	2	3
Business or banking.....	134	139	144	142	68	74	28	35	30	28	13	15
Education.....	59	43	37	38	24	14	10	12	10	12	6	6
Journalism.....	21	21	21	20	11	9	7	7	8	8	6	2
Law.....	194	201	190	184	122	62	59	61	61	62	35	27
Public service/politics.....	52	48	65	94	58	36	13	2	11	20	13	7

— Represents zero. <sup>1</sup> Data have been adjusted for the subsequent switching of parties by one Representative and the Representative elected to fill the vacancy created by the death of Representative Rosenthal. <sup>2</sup> Includes one vacancy.

<sup>3</sup> Represents consecutive years of service. <sup>4</sup> Not all occupations reported are listed. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 44, No. 45, Nov. 6, 1986, and previous issues (copyright), and unpublished data. Members of Congress may state more than 1 occupation; therefore, sum may be greater than total.

Source of tables 408 and 410: Except as noted, compiled by U.S. Bureau of the Census from U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial.



## No. 411. NUMBER OF GOVERNORS, BY POLITICAL PARTY AFFILIATION: 1960 TO 1987

(Reflects results of elections in previous year and holdover incumbents)

YEAR	Democrat	Republican	YEAR	Democrat	Republican	Independent	YEAR	Democrat	Republican
1960	34	16	1970	16	32	—	1979	32	18
1961	34	16	1971	28	21	—	1980	31	19
1962	34	16	1972	30	20	—	1981	27	23
1963	34	16	1973	31	19	—	1982	27	23
1964	33	17	1974	32	18	—	1983	34	18
1965	33	17	1975	36	13	1	1984	35	15
1966	26	25	1976	36	13	1	1985	34	18
1967	24	26	1977	37	12	1	1986	34	18
1968	20	30	1978	37	12	1	1987	28	24

Represents zero.

Source: National Governors' Association, Washington, DC, *Governors of the American States, Commonwealths, and Territories*, annual. (Copyright.)

## No. 412. VOTE CAST FOR AND GOVERNOR ELECTED, BY STATE: 1980 TO 1986

(In thousands, except percent. D=Democratic, R=Republican)

Division and State	1980		1982		1984		1986		Candidate elected at most recent election
	Total vote <sup>1</sup>	Percent leading party	Total vote <sup>1</sup>	Percent leading party	Total vote <sup>1</sup>	Percent leading party	Total vote <sup>1</sup>	Percent leading party	
<b>N. Eng.:</b>									
ME	(x)	(x)	460	D-61.1	(x)	(x)	427	R-39.9	John R. McKernan
NH	364	D-58.0	283	R-51.4	364	R-66.8	251	R-53.7	John H. Sununu
VT	210	R-58.6	169	R-55.0	234	D-50.0	187	D-47.0	Madeleine M. Kunin
MA	(x)	(x)	2,050	D-58.5	(x)	(x)	1,884	D-68.7	Michael S. Dukakis
RI	406	D-73.7	337	D-73.3	406	R-60.0	323	R-64.7	Edward DiPrete
CT	(x)	(x)	1,084	D-53.3	(x)	(x)	984	D-57.9	William A. O'Neill
<b>Mid. Atl.:</b>									
NY	(x)	(x)	5,266	D-60.9	(x)	(x)	4,294	D-64.6	Mario M. Cuomo
NJ <sup>2</sup>	2,317	R-48.6	(x)	(x)	1,973	R-66.6	(x)	(x)	Thomas H. Kean
PA	(x)	(x)	3,884	R-50.6	(x)	(x)	3,368	D-50.7	Robert Casey
<b>E. No. Cent.:</b>									
OH	(x)	(x)	3,367	D-59.0	(x)	(x)	3,067	D-60.6	Richard F. Celeste
IN	2,178	R-57.7	(x)	(x)	2,198	R-52.2	(x)	(x)	Robert D. Orr
IL	(x)	(x)	3,674	R-48.4	(x)	(x)	3,144	R-52.7	James R. Thompson
MI	(x)	(x)	3,040	D-51.4	(x)	(x)	2,387	D-68.1	James J. Blanchard
WI	(x)	(x)	1,580	D-58.7	(x)	(x)	1,527	R-52.7	Tommy G. Thompson
<b>W. No. Cent.:</b>									
MN	(x)	(x)	1,780	D-58.6	(x)	(x)	1,416	D-55.8	Rudy Perpich
IA	(x)	(x)	1,038	R-52.6	(x)	(x)	911	R-51.9	Terry E. Branstad
MO	2,088	R-62.6	(x)	(x)	2,108	R-56.7	(x)	(x)	John Ashcroft
ND	303	R-58.8	(x)	(x)	314	D-55.3	(x)	(x)	George Sinner
SD	(x)	(x)	278	R-70.9	(x)	(x)	284	R-51.6	George S. Mickelson
NE	(x)	(x)	548	D-50.6	(x)	(x)	584	R-52.9	Kay Orr
KS	(x)	(x)	783	D-53.2	(x)	(x)	841	R-51.9	Mike Hayden
<b>S. Atl.:</b>									
DE	225	R-70.6	(x)	(x)	244	R-56.6	(x)	(x)	Michael N. Castle
MD	(x)	(x)	1,138	D-62.0	(x)	(x)	1,101	D-62.4	William D. Schaefer
VA <sup>3</sup>	1,421	D-53.5	(x)	(x)	1,343	D-55.2	(x)	(x)	Gerald L. Baliles
WV	742	D-64.1	(x)	(x)	742	R-53.3	(x)	(x)	Arch A. Moore
NC	1,647	D-61.9	(x)	(x)	2,227	R-54.3	(x)	(x)	James G. Martin
SC	(x)	(x)	672	D-68.6	(x)	(x)	784	R-51.0	Carroll Campbell
GA	(x)	(x)	1,188	D-62.8	(x)	(x)	1,175	D-70.5	Joe Frank Harris
FL	(x)	(x)	2,888	D-64.7	(x)	(x)	2,388	R-54.6	Bob Martinez
<b>E. So. Cent.:</b>									
KY <sup>4</sup>	936	D-59.4	(x)	(x)	1,031	D-64.5	(x)	(x)	Martha Layne Collins
TN	(x)	(x)	1,236	R-60.6	(x)	(x)	1,210	D-54.2	Ned McWhorter
AL	(x)	(x)	1,129	D-57.8	(x)	(x)	1,236	R-56.3	Guy Hunt
MS <sup>5</sup>	677	D-61.1	(x)	(x)	743	D-55.1	(x)	(x)	William A. Allain
<b>W. So. Cent.:</b>									
AR	839	R-51.9	789	D-54.7	867	D-62.6	889	D-63.8	Bill Clinton
LA	1,372	R-60.3	(x)	(x)	1,816	R-62.3	(x)	(x)	Edwin Edwards
OK	(x)	(x)	883	D-62.1	(x)	(x)	910	R-47.6	Henry Bellmon
TX	(x)	(x)	3,191	D-53.2	(x)	(x)	3,441	R-52.7	William P. Clements
<b>MT:</b>									
MT	380	D-56.4	(x)	(x)	379	D-70.3	(x)	(x)	Ted Schweiden
ID	(x)	(x)	327	D-58.6	(x)	(x)	387	D-49.8	Cecil D. Andrus
WY	(x)	(x)	169	D-63.1	(x)	(x)	185	D-64.0	Mike Sullivan
CO	(x)	(x)	956	D-65.7	(x)	(x)	1,069	D-58.2	Roy Romer
NM	(x)	(x)	407	D-53.0	(x)	(x)	386	R-53.0	Garrey E. Carruthers
AZ	(x)	(x)	726	D-62.5	(x)	(x)	867	R-39.7	Evan Mecham
UT	(x)	(x)	(x)	(x)	630	R-56.6	(x)	(x)	Norman H. Bangerter
NV	(x)	(x)	240	D-53.4	(x)	(x)	280	D-71.9	Richard H. Bryan
<b>Pac.:</b>									
WA	1,731	R-56.7	(x)	(x)	1,880	D-53.3	(x)	(x)	Booth Gardner
OR	(x)	(x)	1,042	R-61.4	(x)	(x)	1,080	D-51.9	Nel Goldschmidt
CA	(x)	(x)	7,677	R-48.3	(x)	(x)	7,444	R-60.5	George Deukmejian
AK	(x)	(x)	186	D-46.1	(x)	(x)	180	D-47.3	Steve Cooper
HI	(x)	(x)	312	D-45.2	(x)	(x)	334	D-52.0	John Waihee

X Not applicable. <sup>1</sup> Includes minor party and scattered votes. <sup>2</sup> Voting years 1981 and 1985. <sup>3</sup> Voting years 1979 and 1983. <sup>4</sup> Dec. 1979 vote. <sup>5</sup> Primary election, Oct. 1983, held on a non-party basis. Winner was Democratic.

Source: Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

## NO. 413. COMPOSITION OF STATE LEGISLATURES, BY POLITICAL PARTY AFFILIATION: 1960 TO 1966

[Data reflect election results in year shown for most States; and, except as noted, results in previous year for other States. Figures reflect immediate results of elections, including holdover members in State houses which do not have all of their members running for re-election. Dem.—Democratic; Rep.—Republican. In general, Lower House refers to body consisting of State Representatives; Upper House, of State Senators.]

STATE	LOWER HOUSE								UPPER HOUSE							
	1960 <sup>1</sup>		1962 <sup>2</sup>		1964 <sup>3</sup>		1966 <sup>4</sup>		1960 <sup>5</sup>		1962 <sup>6</sup>		1964 <sup>7</sup>		1966 <sup>8</sup>	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	3,289	2,190	3,439	2,008	3,138	2,316	3,264	2,172	1,182	742	1,210	725	1,197	703	1,179	711
AL <sup>12</sup>	100	4	97	8	87	12	88	16	36	—	32	3	28	4	30	—
AK <sup>13</sup>	22	16	16	21	21	18	24	18	11	6	0	11	0	11	6	—
AZ <sup>14</sup>	17	43	21	36	22	36	24	36	14	18	12	18	12	18	11	—
AR <sup>15</sup>	93	7	93	7	91	8	91	8	34	1	32	3	31	4	31	—
CA <sup>16</sup>	48	32	48	32	47	33	44	38	23	17	25	14	25	15	25	—
CO <sup>17</sup>	28	39	25	40	18	47	25	40	13	22	14	21	11	24	10	—
CT <sup>18</sup>	63	68	67	64	65	65	92	58	22	19	23	19	12	24	25	—
DE <sup>19</sup>	18	25	24	17	—	22	19	22	12	8	13	8	13	8	13	—
FL <sup>20</sup>	61	38	64	36	77	43	75	45	27	19	32	8	32	8	25	—
GA <sup>21</sup>	158	23	158	24	154	26	153	27	51	6	49	7	47	9	46	—
HI <sup>22</sup>	36	—	43	8	40	11	—	10	17	8	20	6	21	4	20	—
ID <sup>23</sup>	14	—	16	51	—	57	—	64	12	23	14	21	14	28	16	—
IL <sup>24</sup>	96	—	70	48	—	61	—	51	30	29	23	26	31	28	31	—
IN <sup>25</sup>	35	—	43	57	—	61	—	52	15	36	16	32	20	30	19	—
IA <sup>26</sup>	42	—	60	40	—	40	—	58	22	24	26	22	29	21	30	—
KS <sup>27</sup>	53	72	63	72	48	78	51	74	16	24	16	34	16	34	16	—
KY <sup>28</sup>	75	24	76	24	74	26	73	26	29	8	28	10	28	10	29	—
LA <sup>29</sup>	85	10	93	11	91	14	81	22	39	—	36	1	38	1	34	—
ME <sup>30</sup>	64	67	62	56	65	66	66	65	16	17	23	10	24	11	20	—
MD <sup>31</sup>	125	15	124	17	124	17	124	17	40	7	41	6	41	6	40	—
MA <sup>32</sup>	128	31	129	29	126	34	127	33	32	7	33	7	32	8	32	—
MI <sup>33</sup>	64	46	63	47	57	53	64	46	24	14	20	16	16	19	18	—
MN <sup>34</sup>	70	64	77	57	65	69	63	61	46	22	42	25	42	24	47	—
MS <sup>35</sup>	115	4	116	5	116	6	115	7	48	4	49	3	49	3	47	—
MO <sup>36</sup>	111	52	110	53	108	55	111	52	23	10	22	12	21	13	21	—
MT <sup>37</sup>	49	57	56	46	50	50	49	51	21	29	24	26	28	22	25	—
NE <sup>38</sup>	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)
NV <sup>39</sup>	26	14	23	16	17	25	29	19	16	5	17	4	13	8	9	—
NH <sup>40</sup>	160	236	158	237	102	267	132	266	10	13	9	16	6	16	6	—
NJ <sup>41</sup>	43	37	44	36	30	50	30	49	22	18	23	17	23	17	23	—
NM <sup>42</sup>	41	29	48	24	42	28	47	23	22	20	23	19	21	21	21	—
NY <sup>43</sup>	66	63	67	52	64	56	62	56	25	35	26	35	26	35	25	—
NC <sup>44</sup>	65	24	102	18	82	36	84	36	40	10	44	6	36	12	40	—
ND <sup>45</sup>	27	73	55	51	42	64	46	61	10	40	21	32	24	29	27	—
OH <sup>46</sup>	54	45	62	37	58	40	60	39	15	18	17	16	15	18	15	—
OK <sup>47</sup>	73	28	76	25	69	32	70	31	37	11	34	14	34	14	30	—
OR <sup>48</sup>	39	27	36	24	34	26	31	26	22	8	21	9	18	12	17	—
PA <sup>49</sup>	100	100	103	100	103	100	103	100	23	25	23	27	23	27	23	—
RI <sup>50</sup>	82	18	85	15	77	21	80	20	43	7	39	21	36	12	38	—
SC <sup>51</sup>	107	17	103	20	96	27	92	32	41	5	39	8	36	10	36	—
SD <sup>52</sup>	21	49	16	54	13	57	22	48	10	25	9	25	10	25	11	—
TN <sup>53</sup>	57	39	60	37	62	37	61	38	20	12	22	11	23	10	23	—
TX <sup>54</sup>	114	35	114	36	96	52	94	56	23	7	26	6	25	6	25	—
UT <sup>55</sup>	17	58	17	58	14	61	27	46	7	22	6	24	6	23	8	—
VT <sup>56</sup>	64	66	65	63	72	76	74	75	14	16	13	17	18	12	19	—
VA <sup>57</sup>	66	33	65	34	65	33	65	33	31	8	32	8	31	8	31	—
WA <sup>58</sup>	42	56	54	44	53	45	61	37	24	25	26	23	27	22	25	—
WV <sup>59</sup>	76	22	87	13	73	27	76	22	27	7	31	3	30	4	27	—
WI <sup>60</sup>	59	39	59	40	52	47	54	45	19	14	19	14	19	14	20	—
WY <sup>61</sup>	23	39	25	38	18	46	20	44	11	19	11	19	11	19	11	—

— Represents zero. <sup>1</sup> Excludes 1 Independent each for MD, MA, and VA, 2 Independents each for MS and TN; Libertarians for AK, 1 vacancy each for AL, GA, KY, MS, NY, NC, TN, TX, and WI; and 2 vacancies each for IN and OH. <sup>2</sup> Status as of late 1961, includes elections held and vacancies filled in 1961. <sup>3</sup> Status as of August 1963, except for KY, IL, MS, NJ, and VA which are as of Jan. 1964 and reflect elections held in 1963. <sup>4</sup> Excludes 1 Independent each for LA, TN, and WY, 2 Independents for NH; 1 vacancy each for MS, NY, SC, and TN; 2 vacancies each for MA and VT, and 3 vacancies for NH. <sup>5</sup> Status as of Jan. 1965, except for NJ and VA which are as of Jan. 1966 and reflect elections held in 1966. <sup>6</sup> Excludes 1 Independent for RI, 2 Independents for VA; 5 Independents for AL, 1 Libertarian for AK, and 1 vacancy each for AL, NH, OH, RI, and SC. <sup>7</sup> Status as of January 1967. <sup>8</sup> Excludes 1 Independent for VT, 2 Independents for VA, 2 Libertarians for NY, 1 vacancy each for HI, KY, and NJ; and 2 vacancies for LA. <sup>9</sup> Excludes 1 Independent each for MA and TN; 1 vacancy each for CT, MO, NH, and TX, and 2 vacancies for PA. <sup>10</sup> Excludes 1 Independent for CA and 1 vacancy for HI. <sup>11</sup> Excludes 3 Independents for AL, and 1 vacancy each for MI, MN, and VA. <sup>12</sup> Excludes 1 Independent each for CA and MS; 1 vacancy each for CA, IN, OK, and PA, and 2 vacancies for WI. <sup>13</sup> Members of both houses serve 4-year terms. <sup>14</sup> Upper House members serve 4-year terms and Lower House members serve 2-year terms. <sup>15</sup> Members of both houses serve 2-year terms. <sup>16</sup> Single chamber (unicameral body) of 49 members, elected without party designation.

Source: The Council of State Governments, Lexington, KY, 1960-1964 *Book of the States*, and its Supplement I, both biennial 1960, *State Elective Officials and the Legislators, 1967-68*. (Copyright.)

## IO. 414. POLITICAL PARTY CONTROL OF STATE LEGISLATURES, BY PARTY: 1961 TO 1967

[Beginning of year. Until 1972 there were two non-partisan legislatures in Minnesota and Nebraska. Since then only Nebraska has had a non-partisan legislature]

LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—		
Democrat control	Split control or tie	Republican control		Democrat control	Split control or tie	Republican control		Democrat control	Split control or tie	Republican control
27	8	15	1971	29	9	10	1961	28	6	15
25	7	16	1973	27	8	10	1963	34	4	11
32	10	8	1975	37	7	5	1965	27	11	11
24	9	16	1977	36	8	5	1966	28	12	11
20	8	20	1979	30	7	12	1967	26	12	9

[1964 mid-term recall elections resulted in a change in control of the Michigan State senate. At the time of the 1964 elections, Democrats controlled 33 legislatures.]

National Conference of State Legislatures, Denver, CO, *State Legislatures*, January 1967.

## 5. BLACK ELECTED OFFICIALS, BY OFFICE, 1970 TO 1967, AND BY REGION AND STATE, 1967

every 1967, no Black elected officials had been identified in Idaho, Montana, or North Dakota. For composition of regions, see fig. 1, inside front cover]

REGION AND STATE	Total	U.S. and State legislatures <sup>1</sup>	City and county offices <sup>2</sup>	Law enforcement <sup>3</sup>	Education <sup>4</sup>	DIVISION AND STATE	Total	U.S. and State legislatures <sup>1</sup>	City and county offices <sup>2</sup>	Law enforcement <sup>3</sup>	Education <sup>4</sup>
N.	1,479	170	719	213	366	W. No. Cent.	222	24	138	23	36
N.	1,870	216	909	274	471	Minnesota	12	1	4	5	2
N.	2,275	224	1,112	263	676	Iowa	2	1	3	1	4
N.	2,535	256	1,268	334	777	Missouri	164	17	116	14	17
N.	3,007	256	1,607	340	804	South Dakota	3	-	3	-	-
N.	3,522	290	1,886	387	851	Nebraska	5	1	1	-	3
N.	4,006	298	2,284	415	1,006	Kansas	29	4	12	3	10
N.	4,342	316	2,509	451	1,086	So. Atl.	1,861	130	1,344	88	291
N.	4,544	316	2,616	456	1,154	Delaware	21	3	13	-	5
N.	4,636	315	2,675	491	1,156	Maryland	119	28	66	18	5
N.	4,963	328	2,871	534	1,232	District of Columbia	251	1	242	-	8
N.	5,109	343	2,914	559	1,293	Virginia	123	10	103	10	-
N.	5,241	342	3,017	573	1,309	West Virginia	20	1	16	3	-
N.	5,719	366	3,253	620	1,430	North Carolina	353	16	248	23	66
N.	5,865	366	3,367	657	1,445	South Carolina	340	20	200	5	115
N.	6,312	407	3,669	685	1,531	Georgia	445	29	323	16	75
N.	6,384	410	3,800	676	1,498	Florida	179	12	131	19	17
(S.W.)	5,846	426	3,548	727	1,542	E. So. Cent.	1,213	61	793	162	267
S.W.	706	77	273	102	256	Kentucky	74	2	53	6	13
S.W.	1,275	94	727	141	313	Tennessee	143	14	67	19	23
S.W.	4,287	226	2,848	386	827	Alabama	448	24	324	40	60
S.W.	376	31	101	86	146	Mississippi	548	21	329	87	111
S.	126	26	62	3	29	W. So. Cent.	1,223	46	711	136	329
S.	3	-	1	-	2	Arkansas	319	5	181	40	83
S.	1	1	-	-	-	Louisiana	505	19	301	64	121
S.	1	1	-	-	-	Oklahoma	117	6	86	3	23
S.	36	7	20	-	9	Texas	262	16	143	31	92
S.	11	6	3	-	2	Mt.	60	12	16	10	12
S.	66	11	36	3	16	Wyoming	3	1	1	-	1
S.	66	61	211	96	227	Colorado	15	4	3	5	3
S.	250	24	51	49	128	New Mexico	6	1	2	2	1
S.	196	8	111	1	78	Arizona	15	3	7	-	5
S.	140	19	49	49	23	Utah	1	-	-	1	-
S.	1,863	79	588	116	277	Nevada	10	3	3	2	2
S.	214	14	123	30	47	Pac.	326	19	86	68	134
S.	69	8	49	3	9	Washington	19	3	6	4	6
S.	434	25	267	26	116	Oregon	10	3	4	2	1
S.	316	19	140	56	102	California	293	12	74	62	126
S.	20	4	9	4	3	Alaska	3	1	1	-	1
S.						Hawaii	1	-	-	-	1

represents zero. <sup>1</sup> Includes elected State administrators. <sup>2</sup> County commissioners and councilmen, mayors, vice

chairmen, regional officials, and other. <sup>3</sup> Judges, magistrates, constables, marshals, sheriffs, justices of the peace, and

<sup>4</sup> Members of State education agencies, college boards, school boards and other

: Joint Center for Political Studies, Washington, DC, *Black Elected Officials: A National Roster*, annual. (Copyright.)

NO. 416. HISPANIC PUBLIC OFFICIALS, 1986, AND STATE LEGISLATORS, 1983 TO 1986

[For States not shown, no Hispanic State legislators had been identified. For composition of regions, see fig. 1, inside front cover]

PUBLIC OFFICE	Both sexes	WOMEN		REGION, DIVISION, AND STATE	State legislators	DIVISION AND STATE	State legislators	DIVISION AND STATE	State legislators
		Number	Percent of total						
Total.....	3,191	492	15	1983 (July).....	108	Mid. Atl.....	9	W. So. Cent.....	20
Governor.....	1	14	12	1985 (Sept.).....	115	NY.....	7	LA.....	2
State executives.....	4			1986 (Sept.):		NJ.....	1	TX.....	24
State legislators.....	116			U.S.....	116	PA.....	1		
County officials.....	304	75	25	Region:		E. No. Cent.....	3	MT.....	66
Municipal officials.....	1,048	138	13	Northeast.....	11	IN.....	1	MT.....	2
Judicial/law enforcement.....	530	42	8	Midwest.....	7	IL.....	2	CO.....	9
Education/school boards.....	1,168	223	19	South.....	34			NM.....	32
				West.....	64	W. No. Cent.....	4	AZ.....	12
						MN.....	1	UT.....	1
				N. Eng.....	2	KS.....	3		
				CT.....	1			Pac.....	5
				RI.....	1	So. Atl.....	8	CA.....	7
						FL.....	8	HI.....	1

Source: National Association of Latino Elected and Appointed Officials, Washington, DC, unpublished data.

NO. 417. WOMEN HOLDING STATE AND LOCAL PUBLIC OFFICES, BY OFFICE AND STATE: 1975 TO 1987

[For data on women in U.S. Congress, see table 409]

PUBLIC OFFICE	1975	1979	1980	1981	1982	1982	1984	1986	1986	1987
State legislature.....	804	770	763	908	911	991	986	1,103	1,101	1,168
Percent of total legislators.....	8.0	10.3	10.2	12.1	12.2	13.3	13.3	14.8	14.8	15.5
County governing boards.....	456	947	1,144	1,205	1,397	1,427	1,476	(NA)	(NA)	1,568

STATE	Statewide elective office, <sup>1</sup> 1987	State legislature, <sup>2</sup> 1987	County governing boards, 1987	Mayors and municipal council members, 1980	STATE	Statewide elective office, <sup>1</sup> 1987	State legislature, <sup>2</sup> 1987	County governing boards, 1987	Mayors and municipal council members, 1980
U.S.....	43	1,166	1,568	14,672	Mississippi.....	-	4	6	176
Alabama.....	1	6	7	281	Missouri.....	2	31	17	-
Alaska.....	-	12	13	233	Montana.....	1	23	18	110
Arizona.....	3	21	*9	87	Nebraska.....	1	9	27	241
Arkansas.....	2	9	71	365	Nevada.....	1	10	10	16
California.....	1	17	*63	465	New Hampshire..	-	136	8	113
Colorado.....	2	28	*18	315	New Jersey.....	-	12	14	451
Connecticut.....	1	41	(x)	240	New Mexico.....	1	11	17	66
Delaware.....	1	10	*3	57	New York.....	-	23	*124	797
District of Columbia.....	(x)	(x)	(x)	7	North Carolina...	-	24	51	337
Florida.....	1	33	*41	311	North Dakota.....	-	20	*11	174
Georgia.....	-	28	22	251	Ohio.....	1	14	24	1,129
Hawaii.....	-	15	*9	3	Oklahoma.....	1	12	5	312
Idaho.....	1	28	13	141	Oregon.....	2	16	14	344
Illinois.....	-	32	*134	-	Pennsylvania.....	-	16	*24	-
Indiana.....	2	19	10	-	Rhode Island.....	1	24	(x)	30
Iowa.....	2	22	35	732	South Carolina...	-	13	*36	184
Kansas.....	1	31	*24	445	South Dakota.....	1	21	*16	149
Kentucky.....	4	8	17	-	Tennessee.....	-	12	*90	144
Louisiana.....	-	6	18	183	Texas.....	1	17	27	786
Maine.....	-	53	*3	243	Utah.....	-	8	1	137
Maryland.....	-	39	*21	133	Vermont.....	1	44	(x)	87
Massachusetts.....	1	37	4	217	Virginia.....	1	10	*43	211
Michigan.....	1	22	123	2,779	Washington.....	-	37	13	341
Minnesota.....	2	31	37	542	West Virginia.....	-	21	13	202
					Wisconsin.....	-	28	246	-
					Wyoming.....	2	22	5	88

- Represents zero. NA Not available. X Not applicable. <sup>1</sup> Contains 1986 data for 17 States. <sup>2</sup> As of August. <sup>3</sup> Excludes women elected to the judiciary and women appointed to State cabinet-level positions. <sup>4</sup> 1986 data.

Source: Center for the American Woman and Politics, Eagleton Institute of Politics, Rutgers University, New Brunswick, NJ, information releases.

## NO. 416. VOTING-AGE POPULATION, AND PERCENT REPORTING REGISTERED AND VOTED: 1972 TO 1980

[As of November. Covers civilian noninstitutional population 18 years old and over. Includes aliens. Figures are based on Current Population Survey (see text, section 1, and Appendix B) and differ from those in table 415 based on population estimates and official vote counts.]

CHARACTERISTIC	VOTING-AGE POPULATION (mil.)						PERCENT REPORTING THEY REGISTERED						PERCENT REPORTING THEY VOTED					
	1972	1974	1976	1978	1980	1982	1972	1974	1976	1978	1980	1982	1972	1974	1976	1978	1980	1982
Total.....	186.2	141.3	146.5	161.8	187.1	195.9	73.3	68.3	69.7	68.9	68.9	64.3	63.0	66.9	66.2	66.9	66.2	66.9
18-20 years old.....	11.0	11.0	12.1	12.2	12.3	12.1	58.1	36.4	47.1	44.7	44.7	35.4	48.3	20.6	36.0	20.1	36.7	19.8
21-34 years old.....	13.6	14.1	14.8	15.5	15.9	16.7	59.5	45.3	54.6	52.7	52.0	45.8	50.7	26.4	45.8	26.3	45.1	24.2
35-44 years old.....	28.9	29.3	31.7	33.4	35.7	36.8	68.4	63.3	62.3	62.0	63.3	65.6	69.7	36.0	64.6	36.0	64.6	35.1
45-54 years old.....	22.2	22.4	22.6	24.2	25.6	26.1	74.9	69.7	69.6	70.6	70.9	67.9	66.3	49.1	64.4	50.1	62.2	49.3
55-64 years old.....	42.3	43.0	43.3	43.4	43.8	44.2	78.7	73.6	75.5	75.8	76.6	74.8	70.8	58.8	66.7	58.5	62.2	58.7
65 years old and over.....	20.1	21.0	22.0	23.0	24.1	25.8	75.6	70.2	71.4	74.6	75.2	75.9	69.5	51.4	62.2	55.9	65.1	60.8
Male.....	63.8	68.4	69.0	71.5	74.1	78.0	73.1	68.8	67.1	68.6	67.3	63.4	64.1	68.8	69.1	68.8	69.0	68.7
Female.....	72.4	74.0	77.5	80.2	83.0	87.4	71.6	61.7	66.4	67.1	68.3	65.0	62.0	45.4	62.8	45.3	60.4	46.1
White.....	121.2	126.1	129.3	139.4	157.7	163.6	73.4	65.5	68.3	68.4	68.6	65.3	64.5	46.3	60.9	47.3	61.4	46.9
Black.....	14.5	14.2	14.9	15.8	16.4	17.6	65.5	61.3	60.7	61.0	61.3	61.0	59.1	33.8	50.5	37.2	55.8	43.2
Hispanic <sup>1</sup> .....	5.6	6.1	6.5	6.8	6.2	6.6	44.4	34.9	37.3	36.3	36.3	36.8	37.4	22.8	31.6	23.5	32.6	24.2
Region: <sup>2</sup>																		
North.....	(NA)	33.3	33.6	35.1	35.5	36.4	(NA)	63.2	65.9	64.8	65.6	62.0	(NA)	48.7	59.7	48.1	59.7	49.8
Northeast.....	(NA)	38.1	39.2	40.3	41.5	42.1	(NA)	66.6	72.3	73.8	74.6	70.7	(NA)	49.3	65.1	50.5	65.7	49.5
Midwest.....	(NA)	44.6	47.1	48.8	50.6	51.4	66.7	66.6	64.8	64.8	66.9	63.0	55.4	38.0	55.5	38.0	55.8	41.8
South.....	(NA)	25.0	26.2	27.5	29.5	31.9	(NA)	59.4	63.2	65.3	64.7	60.8	(NA)	48.1	57.5	47.8	58.5	48.4
West.....																		
School years completed:																		
0 years or less.....	28.1	24.4	24.9	23.6	22.7	22.4	61.5	64.1	64.4	60.0	63.4	60.5	47.4	34.4	44.1	34.6	42.6	35.7
High school.....	28.3	21.7	22.3	22.3	22.5	22.3	63.0	64.3	66.6	64.8	64.9	62.4	62.0	36.9	47.2	35.1	44.4	38.8
1-3 years.....	50.7	51.7	53.7	56.4	61.2	65.2	74.0	61.9	66.9	66.4	67.3	62.9	65.4	44.7	69.4	45.3	58.7	44.1
4 years.....																		
College.....																		
1-3 years.....	19.2	23.7	23.9	25.1	26.7	28.6	81.7	68.9	75.6	74.4	78.7	70.0	74.9	49.6	66.1	51.5	67.5	49.9
4 years or more.....	16.8	19.6	20.2	22.2	24.0	26.9	87.8	78.0	83.7	84.3	83.8	77.6	68.6	61.3	78.8	63.6	76.1	62.5
Employed.....	80.2	83.1	84.0	83.2	85.0	87.2	74.3	63.8	66.6	66.7	66.4	64.4	60.0	46.8	62.0	46.7	61.8	46.7
Unemployed.....	3.7	5.0	6.4	4.9	0.9	10.8	58.7	44.4	53.1	50.3	54.3	48.8	49.9	28.8	43.7	27.4	44.0	21.2
Not in labor force.....	62.9	53.2	54.1	53.5	56.2	57.5	70.3	61.3	65.2	66.6	66.1	65.4	59.3	43.0	56.5	46.2	55.9	48.2

NA Not available. <sup>1</sup> Hispanic persons may be of any race. <sup>2</sup> For composition of regions, see fig. 1, inside front cover.

Sources: U.S. Bureau of the Census, Current Population Reports, series P-20, No. 414 and earlier reports.

### NO. 419. PARTICIPATION IN ELECTIONS FOR PRESIDENT AND U.S. REPRESENTATIVES: 1960 TO 1986

(As of November. Estimated resident population 21 years old and over, 1960-1970, except as noted, and 18 and over thereafter; includes Armed Forces. District of Columbia is included in votes cast for President beginning 1964 and in votes cast for Representative beginning 1972)

YEAR	Resident population (incl. aliens) of voting age <sup>1</sup> (1,000)	VOTES CAST				YEAR	Resident population (incl. aliens) of voting age <sup>1</sup> (1,000)	VOTES CAST			
		For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population			For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population
1960.....	109,872	66,636	62.8	64,133	58.5	1974.....	146,336	(x)	(x)	62,495	35.9
1962.....	112,952	(x)	(x)	51,267	45.4	1976.....	152,306	61,566	53.5	74,422	48.9
1964.....	114,060	70,645	61.9	65,595	57.6	1978.....	158,369	(x)	(x)	55,332	34.9
1966.....	116,638	(x)	(x)	52,908	45.4	1980.....	164,595	66,515	52.6	77,985	47.4
1968.....	120,285	73,212	60.9	68,288	56.1	1982.....	169,839	(x)	(x)	64,514	38.0
1970.....	124,498	(x)	(x)	54,173	43.5	1984.....	174,447	62,653	53.1	83,231	47.7
1972.....	140,777	77,719	55.2	71,430	50.7	1986.....	178,335	(x)	(x)	59,819	33.4

X Not applicable. <sup>1</sup> Population 18 and over in Georgia and Kentucky, 19 and over in Alaska and 20 and over in Hawaii, 1960-1970.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 948 and earlier reports; and press release (C896-65); and Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

### NO. 420. STATEWIDE PRIMARIES—VOTES CAST AND PERCENT OF VOTING-AGE POPULATION CASTING VOTES, SELECTED RACES: 1986

(Races selected are those races where the nominee received a 15 percent or less plurality over the closest opponent. Maryland was included due to the presence of two other strong candidates whose combined vote fell within 15 percent of the nominee)

STATE	Voting-age population (1,000)	Race <sup>1</sup>	Party <sup>2</sup>	Votes cast (1,000)	Percent of voting-age population casting votes	STATE	Voting-age population (1,000)	Race <sup>1</sup>	Party <sup>2</sup>	Votes cast (1,000)	Percent of voting-age population casting votes
AL.....	2,948	Gov.....	Dem.....	840	31.8	MI.....	6,633	Gov.....	Rep.....	582	8.8
AK.....	373	Gov.....	Dem.....	63	17.0	MN.....	3,098	Gov.....	Dem.....	511	16.5
		Gov.....	Rep.....	84	22.5	NE.....	1,177	Gov.....	Dem.....	145	12.3
AZ.....	2,399	Gov.....	Dem.....	211	8.8	NM.....	1,035	Gov.....	Rep.....	89	8.6
		Gov.....	Rep.....	226	9.4	NY.....	13,472	Sen.....	Dem.....	487	3.7
CA.....	19,811	Sen.....	Rep.....	1,868	10.0	OH.....	7,891	Gov.....	Rep.....	731	9.3
CO.....	2,432	Gov.....	Rep.....	168	7.7	OK.....	2,445	Gov.....	Dem.....	517	21.2
FL.....	9,111	Gov.....	Dem.....	1,007	11.0	OR.....	2,016	Sen.....	Dem.....	296	14.7
IL.....	8,480	Sen.....	Rep.....	484	5.7	PA.....	3,023	Sen.....	Dem.....	916	10.1
KS.....	1,808	Gov.....	Rep.....	276	15.3	SC.....	2,467	Sen.....	Rep.....	52	2.1
		Sen.....	Dem.....	118	6.4	SD.....	509	Sen.....	Rep.....	116	22.9
KY.....	2,726	Sen.....	Rep.....	42	1.5			Gov.....	Dem.....	72	14.1
MD.....	3,333	Sen.....	Dem.....	622	18.7	WI.....	3,515	Sen.....	Dem.....	206	7.8

<sup>1</sup> Gov=governorship. Sen=senatorial. <sup>2</sup> Dem=Democratic. Rep=Republican.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study*, '85-'86.

### NO. 421. VOTER REGISTRATION IN 11 SOUTHERN STATES, BY RACE: 1980 TO 1986

(In thousands, except percent. Covers population 18 years old and over)

YEAR AND RACE	Total	AL	AR	FL	GA	LA	MS	NC	SC	TN	TX	VA
1980: White.....	24,961	1,700	1,056	4,331	1,800	1,560	1,152	2,314	916	2,200	6,020	1,342
Black.....	4,254	350	130	489	450	485	330	440	320	300	620	380
Percent of—												
White voting age pop.....	71.9	51.4	78.9	67.7	63.0	74.8	66.9	70.1	58.5	78.5	75.1	62.2
Black voting age pop.....	55.8	55.8	57.2	58.3	48.6	60.7	62.3	51.3	63.7	64.0	58.0	58.2
1982: White.....	22,866	1,657	964	4,200	1,607	1,491	1,055	2,151	862	1,998	4,753	1,320
Black.....	4,302	437	145	500	487	468	340	436	321	310	546	330
1984: <sup>1</sup> White.....	27,996	<sup>2</sup> 1,828	<sup>2</sup> 1,097	4,963	2,102	1,701	<sup>2</sup> 1,211	2,622	1,006	<sup>2</sup> 2,217	<sup>2</sup> 7,030	<sup>2</sup> 2,309
Black.....	5,597	<sup>2</sup> 516	<sup>2</sup> 171	591	584	551	<sup>2</sup> 459	519	389	<sup>2</sup> 362	<sup>2</sup> 870	<sup>2</sup> 484
1986: <sup>2</sup> White.....	<sup>2</sup> 27,026	<sup>2</sup> 1,607	<sup>2</sup> 1,030	4,677	1,900	1,580	<sup>2</sup> 1,193	2,468	932	<sup>2</sup> 2,188	<sup>2</sup> 7,066	<sup>2</sup> 2,087
Black.....	<sup>2</sup> 5,450	<sup>2</sup> 509	<sup>2</sup> 157	576	576	551	<sup>2</sup> 450	565	371	<sup>2</sup> 368	<sup>2</sup> 875	<sup>2</sup> 442
Percent of—												
White voting age pop.....	69.9	77.5	67.2	66.9	62.3	67.8	61.6	67.4	63.4	70.0	79.0	60.3
Black voting age pop.....	60.8	68.9	57.9	58.2	52.8	60.6	70.8	58.4	62.5	65.3	68.0	66.2

<sup>1</sup> As of October, except Arkansas as of November. <sup>2</sup> Estimated. <sup>3</sup> As of August.

Source: Voter Education Project, Inc., Atlanta, GA, *Voter Registration in the South*, semiannual.

### 3. 422. RESIDENT POPULATION OF VOTING-AGE AND PERCENT CASTING VOTES—STATES: 1976 TO 1988

November. Estimated population, 18 years old and over includes Armed Forces stationed in each State, alone, and institutional population. For composition of regions, see fig. 1, inside front cover]

E	VOTING AGE POPULATION (1,000)								PERCENT CASTING VOTES FOR PRESIDENTIAL ELECTORS			PERCENT CASTING VOTES FOR U.S. REPRESENTATIVES		
	1976	1980	1982	1984	1988	1988, proj.		1976	1980	1984	1988	1984	1988	
						Total	Percent—							
														Black
	152,309	164,896	169,839	174,467	178,482	182,826	11.2	7.1	53.5	62.6	63.1	38.0	47.7	33.4
	35,354	36,287	36,903	37,522	37,997	38,402	10.1	5.7	55.2	52.9	54.6	39.7	51.1	32.6
	40,246	42,184	42,670	43,180	43,610	43,952	8.9	2.3	60.0	59.7	58.9	44.7	56.0	38.9
	48,113	54,556	57,235	59,297	61,000	61,000	18.9	6.2	47.2	47.3	48.8	29.4	38.6	26.9
	27,582	31,586	33,132	34,489	35,815	37,242	5.2	15.9	53.2	51.7	51.9	42.1	49.3	38.5
	8,711	9,144	9,144	9,689	9,799	9,819	4.0	2.4	61.4	59.8	58.7	44.8	55.5	37.4
	759	811	829	854	874	893	3	4	63.7	64.5	64.7	54.5	63.5	48.3
	583	672	689	734	775	823	6	6	57.3	57.1	53.0	38.5	50.9	31.1
	337	370	382	392	402	412	3	7	56.7	57.7	59.9	43.2	57.6	47.0
	4,132	4,276	4,360	4,445	4,487	4,487	4.2	2.5	61.7	59.0	57.6	43.5	52.8	33.4
	689	710	720	735	750	750	3.2	2.2	59.7	58.6	55.7	46.2	53.0	40.8
	2,201	2,304	2,353	2,401	2,440	2,492	7.1	3.9	53.2	61.0	61.1	45.5	59.7	40.2
	36,843	27,143	27,589	27,963	28,259	28,482	12.3	6.8	53.2	50.6	53.2	37.9	49.6	31.0
	12,892	12,933	13,113	13,301	13,406	13,480	14.5	10.3	50.7	46.0	51.2	35.7	46.7	26.7
	5,220	5,422	5,557	5,687	5,812	5,943	12.7	7.3	57.7	54.9	56.6	36.6	52.6	26.7
	8,531	8,787	8,899	8,975	9,041	9,080	8.8	1.2	54.2	51.9	54.0	40.8	51.9	36.6
	26,489	29,766	30,809	30,822	30,849	30,814	10.8	2.8	59.0	58.7	58.1	43.3	51.9	37.0
	7,461	7,744	7,798	7,841	7,908	7,970	10.0	9	55.1	55.3	58.0	42.7	55.2	38.8
	3,892	3,892	3,838	3,893	4,032	4,088	7.5	1.4	60.1	57.6	55.9	45.6	54.6	38.6
	7,696	8,235	8,343	8,436	8,501	8,560	14.2	8.6	59.4	57.7	57.1	43.3	54.3	35.5
	6,214	6,520	6,497	6,566	6,601	6,791	13.2	1.6	58.8	60.0	57.9	43.2	52.6	35.5
	3,183	3,375	3,433	3,485	3,517	3,536	3.9	1.3	66.5	67.4	63.5	42.3	59.5	39.3
	11,780	12,428	12,861	12,888	12,961	13,037	4.4	1.2	62.4	62.1	60.9	48.1	51.9	43.4
	2,726	2,933	3,001	3,058	3,112	3,161	1.3	.8	71.5	70.0	68.2	58.3	64.6	38.6
	2,026	2,099	2,113	2,120	2,086	2,068	1.6	.9	63.1	62.2	62.2	47.5	59.8	42.4
	3,408	3,576	3,635	3,708	3,766	3,821	9.7	.9	57.3	58.7	57.3	42.0	55.0	38.0
	442	467	465	483	486	483	5	5	67.2	64.6	62.7	53.8	62.7	56.6
	489	488	488	508	510	509	.4	5	64.1	67.1	62.6	55.3	62.2	56.9
	1,081	1,133	1,157	1,172	1,170	1,167	3.0	1.7	56.2	56.6	55.6	44.9	55.5	47.4
	1,628	1,730	1,772	1,798	1,816	1,829	5.2	2.8	58.8	56.6	56.8	42.7	55.3	43.3
	24,586	27,373	28,621	29,737	30,872	32,137	16.8	3.8	46.3	46.2	47.5	29.3	38.6	26.8
	412	432	444	459	475	490	18.4	1.5	57.2	54.7	55.5	42.4	52.9	33.9
	2,920	3,080	3,164	3,260	3,372	3,484	23.9	1.7	49.3	50.0	51.4	34.5	45.9	31.5
	525	485	481	489	486	486	64.8	3.1	32.2	35.4	43.1	22.9	33.1	26.0
	3,613	3,930	4,080	4,235	4,377	4,544	17.6	1.6	47.0	47.5	50.7	32.7	43.4	23.6
	1,314	1,400	1,421	1,422	1,412	1,388	2.9	4	57.2	52.7	51.8	38.5	49.5	26.0
	3,907	4,274	4,424	4,583	4,736	4,913	20.2	.8	43.0	43.4	47.4	29.9	47.0	33.2
	1,993	2,215	2,306	2,392	2,452	2,517	27.3	5	40.3	40.4	40.7	28.5	39.0	29.2
	3,494	3,870	4,041	4,231	4,430	4,617	24.4	.9	42.0	41.3	42.0	22.4	35.9	24.0
	8,406	7,578	8,152	8,695	9,127	9,614	11.6	9.4	49.2	48.7	48.2	27.1	26.1	23.5
	8,634	10,399	10,869	10,881	11,089	11,294	17.6	.4	47.8	48.5	50.2	32.8	41.6	30.5
	2,434	2,566	2,656	2,697	2,724	2,748	6.9	4	46.0	49.9	50.8	26.4	44.0	23.1
	3,033	3,323	3,406	3,490	3,586	3,661	14.7	4	48.7	48.7	49.1	34.5	37.7	31.0
	2,554	2,757	2,826	2,892	2,947	3,010	23.2	5	46.3	48.7	49.9	34.0	39.7	37.9
	1,603	1,723	1,771	1,802	1,830	1,867	31.4	4	46.0	51.6	52.2	36.2	48.2	26.6
	14,804	16,894	18,065	18,679	19,130	19,610	13.4	13.9	48.4	47.8	48.5	27.6	36.9	26.1
	1,502	1,626	1,667	1,706	1,732	1,761	13.6	.6	51.1	51.5	51.9	45.6	27.1	36.5
	2,623	2,919	3,064	3,129	3,157	3,175	27.5	2.3	48.7	53.0	54.5	18.9	20.5	12.4
	1,990	2,207	2,371	2,408	2,405	2,404	6.0	2.1	54.9	52.1	52.2	36.1	46.1	30.1
	8,789	10,130	10,952	11,436	11,826	12,270	11.2	21.1	46.3	44.8	47.2	26.0	40.9	25.5
	6,534	8,067	8,580	8,967	9,311	9,661	2.4	12.3	55.8	63.9	62.8	41.6	50.5	40.3
	519	560	579	591	596	596	2	1.2	63.3	65.0	65.0	54.7	62.8	54.1
	567	646	668	685	693	701	5	4.0	60.7	67.7	59.9	—	59.0	54.3
	267	332	355	354	352	351	7	4.9	58.6	53.2	53.3	44.9	53.1	45.4
	1,838	2,123	2,288	2,353	2,414	2,489	3.6	10.8	58.6	55.8	55.0	41.7	53.0	42.2
	783	900	957	1,002	1,045	1,101	1.6	36.0	53.4	50.8	51.3	41.3	49.9	36.9
	1,611	1,970	2,116	2,268	2,437	2,605	2.4	14.5	46.1	44.4	45.2	33.6	41.6	33.0
	791	935	965	1,023	1,051	1,078	7	4.2	66.4	64.6	61.6	49.7	58.6	40.8
	457	602	652	691	732	780	5.9	7.3	44.2	41.2	41.6	35.9	39.2	35.1
	20,758	23,491	24,553	25,502	26,504	27,562	8.2	17.2	52.4	61.0	61.6	42.3	48.8	37.9
	2,801	3,040	3,143	3,226	3,323	3,417	2.3	3.0	59.6	57.3	—	41.6	56.0	39.0
	1,679	1,929	1,955	1,994	2,018	2,051	1.4	2.6	61.3	61.2	61.9	51.9	60.8	51.1
	15,596	17,548	18,406	19,181	20,015	20,875	7.5	21.6	50.4	—	49.6	41.2	46.7	36.0
	257	277	318	351	386	395	3.3	2.2	49.1	57.3	59.3	57.0	56.8	49.2
	624	697	729	758	784	824	1.8	6.3	46.7	43.5	44.3	40.9	36.4	42.9

etc persons may be of any race. <sup>1</sup> State law does not require tabulation of votes for unopposed candidates.

Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, *Current Population Reports*, 85, No. 846 and forthcoming report; votes cast from Elections Research Center, Washington, DC, America Votes, *Statistical*.



# **NO. 423. VOTER REGISTRATION—REGISTERED VOTERS, 1960 TO 1966, AND REGISTRATION DEADLINES AND RESIDENCY REQUIREMENTS, 1966**

[Registration figures are based on final and official registration statistics provided by Secretaries of State and State Registrars. The accuracy of registration figures varies according to the stringency of purges conducted in each State and locally. There is, therefore, some inflation in these figures, although the trends between years are likely to be accurate.]

STATE	1960		1964		Registration deadline <sup>1</sup>	Residency requirement <sup>2</sup>	1966				Votes cast <sup>4</sup>	
	Registered voters (1,000)	Percent registered of voting age population	Registered voters (1,000)	Percent registered of voting age population			Registered voters		Democrats, percent of total registered	Republicans, percent of total registered	Number (1,000)	Percent of registered voters
							Total <sup>3</sup>					
							Number (1,000)	Percent of voting-age population				
U.S.	114,802	66.8	126,987	72.8	D	D	121,088	67.9	(NA)	(NA)	64,808	53.5
AL	2,132	77.4	2,343	81.0	B	G	2,362	80.1	(NA)	(NA)	1,236	52.3
AK	258	94.0	305	87.7	D	H	292	76.4	22.3	21.0	161	61.9
AZ	1,121	57.1	1,483	64.8	D	H	1,180	66.8	43.0	45.4	867	54.3
AR	1,186	72.9	1,286	74.4	C	E	1,189	68.8	(NA)	(NA)	695	58.5
CA	11,361	64.8	13,074	68.5	C	G	12,634	64.8	50.8	38.3	7,444	59.0
CO	1,434	67.8	1,621	69.1	C	H	1,622	74.8	31.0	32.1	1,061	59.2
CT	1,708	74.1	1,808	75.0	C	F	1,673	68.4	40.1	28.6	994	59.4
DE	301	66.7	314	68.6	C	E	296	63.2	44.5	34.6	161	54.2
DC	269	56.6	275	56.3	D	H	282	68.4	80.2	8.1	132	48.7
FL	4,810	63.8	5,574	64.6	D	H	5,831	81.8	57.1	38.2	3,430	60.9
GA	2,977	61.4	2,732	64.6	D	F	2,576	56.5	(NA)	(NA)	1,226	47.8
HI	408	57.9	419	56.3	D	E	420	53.7	(NA)	(NA)	334	79.6
ID	581	90.1	582	84.5	B	H	550	78.0	(NA)	(NA)	367	70.4
IL	6,230	76.7	6,470	76.7	C	H	6,004	70.7	(NA)	(NA)	3,144	52.4
IN	2,944	76.7	3,054	78.4	C	H	2,678	71.4	(NA)	(NA)	1,558	54.0
IA	1,717	61.9	1,729	61.5	B	E	1,622	76.7	35.3	31.2	911	56.2
KS	1,291	74.7	1,291	72.1	C	G	1,173	64.6	29.1	41.2	841	71.7
KY	1,789	67.8	2,023	75.0	D	H	1,999	73.3	68.1	28.7	677	33.9
LA	2,015	69.1	2,262	72.4	C	E	2,179	68.4	78.2	13.5	1,370	62.9
ME	760	93.8	811	94.7	A	E	780	90.4	(NA)	(NA)	427	54.0
MD	2,065	67.0	2,253	69.1	C	F	2,140	64.2	67.4	25.1	1,113	52.0
MA	3,153	73.7	3,254	73.0	B	F	3,006	69.4	(NA)	(NA)	1,684	56.0
MI	5,726	67.7	5,869	69.4	D	E	5,791	87.3	(NA)	(NA)	2,397	41.4
MN	2,363	80.3	2,663	94.9	A	G	2,615	84.4	(NA)	(NA)	1,416	54.1
MS	1,482	66.1	1,670	82.6	D	H	1,652	90.1	(NA)	(NA)	524	31.7
MO	2,841	79.5	2,969	80.3	C	E	2,789	74.0	(NA)	(NA)	1,477	53.3
MT	495	68.7	527	69.6	D	H	444	74.6	(NA)	(NA)	318	71.6
NE	898	75.8	903	77.2	B	E	860	72.2	42.3	51.2	252	68.4
NV	297	49.4	356	52.0	D	H	366	50.8	50.0	42.9	262	71.3
NH	523	77.9	544	74.1	B	G	551	72.1	30.4	39.7	251	45.6
NJ	3,766	69.5	4,073	71.3	C	H	3,777	65.0	(NA)	(NA)	1,554	41.1
NM	653	72.6	651	65.4	D	E	633	81.1	(NA)	(NA)	396	62.4
NY	7,896	61.1	9,044	67.7	D	H	8,071	59.9	(NA)	(NA)	4,294	53.2
NC	2,775	66.0	3,271	71.1	C	H	3,081	64.9	68.6	27.2	1,591	51.6
ND	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	286	(?)
OH	5,887	76.1	6,356	80.9	D	H	5,987	75.9	(NA)	(NA)	3,121	52.1
OK	1,458	66.2	1,950	81.2	B	E	2,018	62.6	67.1	30.3	910	45.1
OR	1,860	61.4	1,809	60.5	B	G	1,502	74.5	48.5	38.1	1,060	70.5
PA	5,754	65.5	6,194	68.9	D	H	5,847	64.8	53.5	41.4	3,368	57.6
RI	531	74.9	542	73.5	D	H	525	70.0	(NA)	(NA)	323	61.5
SC	1,238	55.8	1,366	58.4	D	H	1,299	52.6	(NA)	(NA)	754	58.1
SD	448	91.9	443	87.9	C	E	426	84.1	43.1	48.6	296	69.1
TN	2,148	64.8	2,580	73.9	D	G	2,446	68.6	(NA)	(NA)	1,210	49.5
TX	6,640	65.6	7,900	69.2	D	H	7,287	61.3	(NA)	(NA)	3,441	47.2
UT	762	83.3	840	82.1	C	H	763	72.1	(NA)	(NA)	435	57.0
VT	312	64.3	322	62.2	C	E	326	61.7	(NA)	(NA)	197	60.0
VA	2,302	56.7	2,552	60.2	D	E	2,610	59.6	(NA)	(NA)	1,043	39.9
WA	2,182	71.8	2,456	76.1	D	H	2,230	67.2	(NA)	(NA)	1,337	60.0
WV	1,035	74.0	1,025	71.8	D	H	946	65.9	65.8	31.0	386	41.8
WI	(?)	(?)	(?)	(?)	A	G	(?)	(?)	(?)	(?)	1,527	(?)
WY	219	66.1	240	67.8	D	F	235	65.4	32.6	57.6	165	70.5

NA—Not available. X—Not applicable. <sup>1</sup>A—Election day registration. B—Registration closes 10 days or less before election. C—Registration closes 11–29 days before election. D—Registration closes 30 or more days before election. <sup>2</sup>E—No residency requirement. F—Voter must be bona fide resident (no time requirement). G—Residency for 10–29 days before election required. H—Residency for 30 or more days before election required. <sup>3</sup>Includes voters registered with other parties and with no party (independents), not shown separately. <sup>4</sup>Number shown represents the highest number of votes cast for the Senatorial election, the gubernatorial election or all races for the U.S. House of Representatives. <sup>5</sup>Estimate based on actual registration statistics from the States which keep registration records. Percentages are the actual percentages of the voting age population who registered in the States, for which actual registration figures are available. The estimates are derived by applying that percentage to the national voting age population figure. <sup>6</sup>North Dakota does not require registration. <sup>7</sup>No statewide registration.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study*, '80-'81, '84-'85, and '88-'89.

NO. 424. PRESIDENTIAL CAMPAIGN FINANCES—PRIMARY CAMPAIGN RECEIPTS AND DISBURSEMENTS AND FEDERAL FUNDS FOR GENERAL ELECTION: 1979-1980 AND 1983-1984

[In millions of dollars. Covers campaign finance activity during 2 year calendar period indicated. Based on disclosure documents submitted by candidates, their principal campaign committees, and other authorized committees. Figures adjusted to eliminate refunds and rebates, refunded contributions, loan repayments, and transfers to or from affiliated committees]

RECEIPTS AND DISBURSEMENTS	PRIMARY CAMPAIGN						GENERAL ELECTION—NET FEDERAL FUNDS DISTRIBUTED			
	1979-1980 <sup>1</sup>			1983-1984 <sup>2</sup>			1979-1986		1983-1984	
	Total	Democ-ratic	Republi-can	Total <sup>3</sup>	Democ-ratic	Republi-can	Candidate	Amount	Candidate	Amount
Receipts, total <sup>4</sup> .....	94.2	38.6	55.6	106.0	77.6	27.1	Total .....	62.7	Total .....	69.8
Individual contributions .....	61.0	23.9	37.1	62.8	46.2	16.4	Anderson <sup>5</sup> .....	4.2	Mondale .....	40.4
Federal matching funds .....	30.9	10.3	20.5	34.9	24.6	10.1	Carter .....	29.4	Reagan .....	40.4
Disbursements .....	92.3	35.6	56.7	103.6	77.4	25.9	Reagan .....	29.2		

<sup>1</sup> Covers 10 candidates who received Federal matching funds (Democrats: Edmund Brown, James Carter, Edward Kennedy, and Lyndon LaRouche; Republicans: John Anderson, Howard Baker, George Bush, Phillip Crane, Robert Dole, and Ronald Reagan).  
<sup>2</sup> Covers 11 candidates who received Federal matching funds (Democrats: Reubin Askew, Alan Cranston, John Glenn, Gary Hart, Ernest Hollings, Jesse Jackson, Lyndon LaRouche, George McGovern and Walter Mondale; Republican: Ronald Reagan; Citizens Party: Sonia Johnson). <sup>3</sup> Includes Citizens Party candidate not shown separately. <sup>4</sup> Includes other types of receipts, not shown separately. <sup>5</sup> John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were 17.6 million dollars and total expenditures were 15.6 million dollars.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity 1979-1980, Final Report, Presidential Pre-Nomination Campaigns*, October 1981; November 15, 1981 press release on public financing 1986 Presidential election; and *FEC Reports on Financial Activity, 1983-84, Final Report, Presidential Pre-Nomination Campaigns*, April 1983; June 4, 1986 press release on final 1984 Presidential statistical report.

NO. 425. INDEPENDENT EXPENDITURES FOR PRESIDENTIAL AND CONGRESSIONAL CAMPAIGNS: 1979-1980 TO 1985-1986

[In thousands of dollars. Covers campaign finance activity during 2 year calendar period indicated. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

TYPE OF OFFICE	ALL PARTIES			DEMOCRATS		REPUBLICANS		OTHERS	
	Total	For	Against	For	Against	For	Against	For	Against
1979-1980, total .....	16,084	13,883	2,191	441	2,657	13,189	123	272	11
President .....	13,745	12,833	813	123	737	12,538	65	272	11
Congress .....	2,339	951	1,378	318	1,321	642	58	(Z)	(NA)
Senate .....	1,854	359	1,295	127	1,283	232	12	(NA)	(NA)
House of Representatives .....	685	602	83	191	39	410	45	(Z)	(NA)
1983-1984, total .....	23,419	19,951	2,463	1,883	1,015	18,257	2,453	(NA)	(NA)
President .....	17,465	16,637	831	806	487	15,830	344	1	(NA)
Congress .....	5,951	3,313	2,638	867	528	2,427	2,109	(NA)	(NA)
Senate .....	4,627	2,134	2,493	326	410	1,806	2,082	(NA)	(NA)
House of Representatives .....	1,325	1,180	145	581	118	619	27	(NA)	(NA)
1985-1986, total <sup>1</sup> .....	8,706	7,460	1,250	3,888	829	4,110	430	6	(Z)
Senate .....	4,673	3,765	908	960	598	2,805	310	(NA)	(NA)
House of Representatives .....	4,035	3,695	351	2,373	230	1,305	120	6	(Z)

NA Not available. Z Less than \$500. <sup>1</sup> Excludes some independent expenditures made for and against Presidential candidates that were paid in 1985-86 but related to 1983-84 elections.  
Source: U.S. Federal Election Commission, *1979-80 FEC Index of Independent Expenditures*, November 1981; *1983-1984 FEC Index of Independent Expenditures*, July 1985; 1985-86 data, unpublished.

NO. 426. POLITICAL ACTION COMMITTEES—NUMBER BY COMMITTEE TYPE: 1974 TO 1986

[As of December 31, except 1975 as of November 24]

YEAR	Total	Cor-porate	Labor	Trade/mem-ber-ship/health	Non-con-nected	Coop-erative	Corpo-ration without stock
1974 .....	608	69	201	318			
1975 .....	722	139	226	357			
1976 .....	1,148	433	224	499			
1977 .....	1,360	550	234	438	110	8	26
1978 .....	1,653	785	217	453	162	12	24
1979 .....	2,000	950	240	514	247	17	32
1980 .....	2,551	1,206	297	576	374	42	56
1981 .....	2,901	1,329	318	614	531	41	68
1982 .....	3,371	1,469	360	649	723	47	103
1983 .....	3,525	1,538	378	643	793	51	122
1984 .....	4,009	1,682	394	686	1,053	52	130
1985 .....	3,992	1,710	366	695	1,003	54	142
1986 .....	4,157	1,744	384	745	1,077	56	151

Source: U.S. Federal Election Commission, press release January 12, 1987.

No. 427. CONTRIBUTIONS TO CONGRESSIONAL CAMPAIGNS BY POLITICAL ACTION COMMITTEES (PAC)  
BY TYPE OF COMMITTEE: 1979 TO 1986

[In millions of dollars. Covers amounts given to candidates in primary, general, run-off, and special elections during the two-year calendar period indicated]

TYPE OF COMMITTEE	HOUSE OF REPRESENTATIVES						SENATE					
	Total	Democrats	Republicans	Incumbents	Challengers	Open seats <sup>1</sup>	Total	Democrats	Republicans	Incumbents	Challengers	Open seats <sup>1</sup>
1979-1980, total <sup>2</sup> .....	37.9	28.5	17.2	24.9	7.9	5.1	17.3	8.4	8.9	8.8	6.8	2.1
Corporate.....	12.2	4.8	7.5	8.1	2.6	1.5	6.9	2.1	4.8	2.7	3.3	.9
Trade association <sup>3</sup> .....	11.7	5.1	6.6	6.0	2.2	1.5	4.1	1.9	2.2	2.2	1.4	.5
Labor.....	9.4	8.9	.4	8.6	1.5	1.2	3.6	3.4	.4	2.7	.7	.4
Non-connected <sup>4</sup> .....	3.1	.9	2.1	1.0	1.4	.7	1.9	.5	1.4	.5	1.1	.3
1981-1982, total <sup>2</sup> .....	61.1	34.2	26.5	49.6	10.8	8.4	22.8	11.2	11.4	14.3	5.2	3.0
Corporate.....	18.9	7.0	12.0	14.4	2.0	2.6	8.6	2.4	6.2	5.5	1.7	1.4
Trade association <sup>3</sup> .....	16.8	7.2	9.7	12.4	2.1	2.3	5.0	2.2	2.8	3.7	.8	.5
Labor.....	15.4	14.7	.7	8.5	4.3	2.6	4.9	4.5	.4	3.0	1.3	.5
Non-connected <sup>4</sup> .....	7.4	3.9	3.5	3.4	2.5	1.6	3.3	1.6	1.7	1.5	1.3	.5
1983-1984, total <sup>2</sup> .....	75.7	46.3	29.3	57.2	11.3	7.2	29.7	14.3	15.4	17.9	6.3	8.4
Corporate.....	23.4	10.4	13.1	18.8	2.6	2.0	12.0	3.2	8.8	8.8	1.1	2.2
Trade association <sup>3</sup> .....	20.4	10.5	9.9	16.5	2.1	1.7	6.3	2.7	3.7	4.5	.9	1.0
Labor.....	19.6	18.8	1.0	14.3	3.5	2.0	5.0	4.7	.3	1.8	2.3	1.2
Non-connected <sup>4</sup> .....	9.1	4.7	4.4	4.9	2.9	1.3	5.4	3.0	2.4	2.4	2.0	1.0
1985-1986, total <sup>2</sup> .....	67.2	54.6	32.5	60.8	9.1	12.3	45.0	20.0	25.0	22.6	10.1	11.3
Corporate.....	26.8	12.8	14.0	22.8	1.0	3.0	19.1	4.8	14.4	11.7	2.6	4.8
Trade association <sup>3</sup> .....	23.4	12.2	11.1	19.3	1.3	2.8	9.4	3.7	5.7	5.7	1.6	2.1
Labor.....	22.6	21.0	1.6	14.7	4.3	3.6	7.2	6.6	.6	2.2	3.1	1.9
Non-connected <sup>4</sup> .....	11.1	6.6	4.5	6.1	2.6	2.6	7.6	4.2	3.4	3.1	2.4	2.1

<sup>1</sup> Elections in which an incumbent did not seek re-election. <sup>2</sup> Includes other types of political action committees not shown separately. <sup>3</sup> includes membership organizations and health organizations. <sup>4</sup> Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979-1980, Final Report, U.S. Senate and House Campaigns*, March 1982; *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-1984, Final Report, U.S. Senate and House Campaigns*, November 1985; and FEC press release May 21, 1987.

No. 428. CONGRESSIONAL CAMPAIGN FINANCES—RECEIPTS AND DISBURSEMENTS: 1981 TO 1986

[Covers all campaign finance activity during 2 year calendar period indicated for primary, general, run-off, and special elections. For 1981-1982 relates to 1,957 House of Representatives candidates and to 283 Senate candidates, for 1983-1984 to 1,782 House of Representatives candidates and 254 Senate candidates, for 1985-1986 to 1,806 House of Representatives candidates and 282 Senate candidates. Data have been adjusted to eliminate transfers between all committees within a campaign]

ITEM	HOUSE OF REPRESENTATIVES						SENATE					
	Amount (mil. dol.)			Percent distribution			Amount (mil. dol.)			Percent distribution		
	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986	1981-1982	1983-1984	1985-1986
Total receipts <sup>1</sup> .....	213.2	222.5	257.4	100.0	100.0	100.0	141.5	174.7	214.0	100.0	100.0	100.0
Contributions:												
\$500 and over.....	34.0	37.5	(NA)	15.9	16.8	(NA)	36.6	44.0	(NA)	25.9	25.2	(NA)
Party committee.....	6.1	5.5	3.7	2.8	2.5	1.4	1.2	1.1	1.4	.8	.6	.6
Non-party committee.....	61.1	75.7	87.2	28.6	34.0	33.9	22.6	29.7	45.0	15.9	17.0	21.0
Democrats.....	108.8	121.4	139.5	51.1	54.6	54.2	89.0	64.2	91.8	48.8	48.2	42.9
Republicans.....	104.1	100.5	117.6	48.8	45.2	45.7	72.1	90.3	122.2	51.0	51.7	57.1
Others.....	.3	.5	.3	.1	.2	.1	.4	.2	(Z)	.3	.1	(Z)
Incumbents.....	110.6	132.4	149.6	51.9	59.5	58.1	55.1	74.8	90.3	38.9	42.8	42.2
Challengers.....	53.7	55.5	49.1	25.2	25.0	19.1	48.0	38.9	68.9	33.9	22.3	31.3
Open seats <sup>2</sup> .....	48.9	34.6	58.4	22.9	15.5	22.7	38.4	61.0	56.7	27.1	34.9	28.5
Total disbursements.....	204.0	203.6	239.0	100.0	100.0	100.0	138.4	170.5	211.1	100.0	100.0	100.0
Democrats.....	103.1	111.0	128.4	50.5	54.5	53.7	65.9	82.0	68.9	48.3	48.1	42.1
Republicans.....	100.6	91.8	110.3	49.3	45.1	48.2	71.1	68.3	122.1	51.4	51.6	57.9
Others.....	.3	.7	.3	.2	.3	.1	.4	.2	(Z)	.3	.1	(Z)
Incumbents.....	102.6	114.9	132.4	50.3	56.5	55.4	52.9	72.1	89.2	36.2	42.3	42.3
Challengers.....	53.1	54.7	49.8	26.1	26.9	20.4	47.6	38.3	66.0	34.4	22.5	31.3
Open seats <sup>2</sup> .....	49.2	33.9	57.5	23.8	18.7	24.1	37.9	60.1	55.8	27.4	35.3	28.5

NA Not available. Z Less than \$100,000. <sup>1</sup> includes other types of receipts, not shown separately. <sup>2</sup> Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1981-1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983-84, Final Report, U.S. Senate and House Campaigns*, November 1985; and FEC press release May 21, 1987.



## Section 9

# State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, and government employment of State and local governments. Nationwide statistics relating to State and local governments, their numbers, finances, and employment, are compiled primarily by the Bureau of the Census through a program of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau conducts a Census of Governments involving collection of data for all governmental units in the United States. In addition, the Bureau conducts annual surveys which cover all the State governments and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on governmental finances which presents figures for the Federal Government, nationwide totals for State and local governments, by type, and State-local data by States. Also issued annually are a series of publications on State, city, county, and school finances, and on city, county, and other public employment. Financial data are published in the GF publication series; employment data in the GE series. There is also a series of quarterly reports covering tax revenue, and of finances of major public employee retirement systems, as well as a series (GSS) of special studies. *Recurrent Publications on Governments* describes the publication program.

Basic information for Census Bureau statistics on governments is obtained by mail census from State and local officials; however, financial data for each of the State governments and for many of the large local governments are compiled from their official records and reports by Census Bureau personnel. In over half of the States, all or part of local government financial data are obtained through central collection arrangements with State governments. Financial data on the Federal Government is based on the *Budget* published by the Office of Management and Budget (see page 266).

**Governmental units.**—The governmental structure of the United States includes, in addition to the Federal Government and the States, thousands of local governments—counties, municipalities, townships, school districts, and numerous kinds of "special districts." As shown by table 429, almost 83,200 local governments were identified by the 1987 Census of Governments. As defined by the census, governmental units include all agencies or bodies having an organized existence, governmental character, and substantial autonomy. While most of these governments can impose taxes, many of the special districts—such as independent public housing authorities, the New York Port Authority, and numerous local irrigation, power, and other types of districts—are financed from rentals, charges for services, benefit assessments, grants from other governments, toll charges, and other nontax sources. The count of governments excludes semi-autonomous agencies through which States, cities, and counties sometimes provide for certain functions—for example, "dependent" school systems, State institutions of higher education, and certain other "authorities" and special agencies which are under the administrative or fiscal control of an established governmental unit.

**Finances.**—Unless otherwise stated, financial data relate to fiscal years ending in the year shown. Most States end their fiscal year June 30; however Alabama and Michigan end their fiscal years Sept. 30; New York, March 31; and Texas, Aug. 31. The Federal Government ended the fiscal year June 30 until 1976 when its fiscal year, by an act of Congress, was revised to extend from Oct. 1 to Sept. 30. A three-month quarter (July 1 to Sept. 30, 1976) bridged the transition. Beginning 1983, local government figures are for fiscal years which close at various dates during the 12 months ended June 30 of the year specified (exceptions are school districts in Alabama, which close Sept. 30 of the specified year; school districts in Texas, which close Aug. 31 of year cited; and Washington, DC which ends its fiscal year Sept. 30); figures for 1982 and earlier years are for fiscal years ended during the calendar year.

Nationwide government finance statistics have been classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States or local governments have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in six States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by the Federal, State, and local governments.

Data for cities relate only to municipal corporations and their dependent agencies, and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution, and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

**Employment and payrolls.**—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part-time as well as full-time personnel. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

No. 429. NUMBER OF GOVERNMENTAL UNITS, BY TYPE OF GOVERNMENT: 1942 TO 1987

[See text, section 9]

TYPE OF GOVERNMENT	1942	1962 <sup>1</sup>	1967 <sup>1</sup>	1962	1967	1972	1977	1982	1987
Total .....	155,116	116,807	102,362	91,237	61,259	78,299	79,913	61,831	63,217
U.S. Government .....	1	1	1	1	1	1	1	1	1
State government .....	48	50	50	50	50	50	50	50	50
Local governments .....	155,067	166,756	102,341	91,186	61,246	78,216	79,862	61,790	63,166
County .....	3,050	3,052	3,050	3,043	3,049	3,044	3,042	3,041	3,042
Municipal .....	16,220	16,807	17,215	18,000	18,048	18,517	18,862	19,076	19,205
Township and town .....	16,919	17,202	17,196	17,142	17,105	16,991	16,822	16,734	16,691
School district .....	108,579	67,355	50,454	34,676	21,782	15,761	15,174	14,851	14,741
Special district .....	8,299	12,340	14,424	18,323	21,264	23,865	25,962	28,076	29,487

<sup>1</sup> Adjusted to include units in Alaska and Hawaii which adopted statehood in 1959.

Source: U.S. Bureau of the Census, *Census of Governments: 1967*, vol. 1, No. 1, *Governmental Organization*, 1962, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Government Units in 1967*, Preliminary Report, No. 1, 1967 *Census of Governments*.

## . 430. ALL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT: 1970 TO 1985

Years ending in year shown; see text, section 9. Local government amounts are estimates subject to sampling appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-537 and Y 552-548.

YEAR	All governments (bil. dol.)	FEDERAL <sup>1</sup>		STATE AND LOCAL (bil. dol.)			ANNUAL PERCENT CHANGE <sup>2</sup>			PER CAPITA <sup>3</sup> (dollars)		
		Total (bil. dol.)	Per- cent of total	Total	State	Local	Fed- eral	State	Local	Total	Fed- eral	State and local
1970	1,334	208	61.7	1,150	89	89	7.5	10.4	9.2	1,642	1,011	739
1971	1,332	565	60.6	1,452	277	258	10.0	12.0	11.2	1,118	2,487	1,994
1972	1,307	754	57.7	1,552	387	305	7.5	9.4	9.1	5,537	3,183	2,781
1973	1,416	807	56.9	1,720	439	402	7.0	10.6	9.8	5,941	3,379	3,014
1974	(x)	-	(x)	22	20	30	-	11.1	11.6	(x)	-	108
1975	(x)	2	(x)	63	64	102	(x)	12.3	13.0	(x)	6	367
1976	(x)	2	(x)	97	81	127	(x)	8.1	5.6	(x)	7	410
1977	(x)	2	(x)	108	90	138	(x)	11.1	8.7	(x)	6	448
1978	272	164	60.3	108	58	51	6.5	10.7	8.3	1,342	805	536
1979	717	417	58.2	299	169	130	9.8	11.3	9.8	3,184	1,843	1,321
1980	875	530	54.4	448	249	197	6.2	10.2	11.0	4,130	2,242	1,888
1981	1,050	559	53.2	492	275	216	5.5	10.4	9.8	4,398	2,339	2,059
1982	233	146	62.7	87	46	39	6.6	10.3	8.0	1,146	719	427
1983	574	351	61.1	223	137	87	9.2	11.1	8.4	2,535	1,549	987
1984	736	415	56.5	320	197	123	4.3	9.5	9.0	3,112	1,757	1,355
1985	804	454	56.5	350	215	134	9.4	9.1	8.9	3,367	1,902	1,465
1970	34	-	(x)	34	1	33	-	-	7.5	168	-	168
1971	68	-	(x)	68	3	65	-	11.6	7.2	302	-	302
1972	96	-	(x)	96	4	92	-	7.5	9.0	408	-	408
1973	104	-	(x)	104	4	100	-	-	7.5	435	-	435
1974	101	90	89.1	11	9	2	8.2	18.2	7.2	468	445	23
1975	286	244	85.3	42	37	5	10.5	15.2	9.6	1,263	1,079	184
1976	361	298	82.0	63	59	4	4.9	12.4	4.7	1,527	1,253	274
1977	401	331	82.5	70	64	6	11.6	9.5	-	1,680	1,386	294
1978	37	33	89.2	4	4	(*)	4.6	14.9	(x)	180	162	18
1979	78	65	83.3	13	13	-	7.0	12.5	-	344	285	59
1980	74	67	77.0	17	16	2	-3.2	5.3	(x)	315	241	74
1981	60	51	76.3	18	16	2	7.0	12.5	(x)	337	267	80
1982	49	18	36.7	30	27	3	3.3	6.4	11.6	239	180	149
1983	112	32	28.6	80	65	12	8.9	9.7	14.9	494	141	353
1984	127	49	38.6	114	98	16	11.2	9.0	10.7	682	209	473
1985	175	49	28.0	126	105	21	-	9.4	16.7	735	206	529
1970	39	17	43.6	22	9	13	5.4	11.6	10.0	195	86	109
1971	142	67	47.2	75	33	44	14.7	13.9	13.0	629	294	335
1972	240	114	47.5	126	53	73	14.2	12.8	13.5	1,018	485	532
1973	246	104	42.3	141	61	82	-8.8	15.1	12.3	1,031	437	594
1974	333	208	62.5	148	85	63	7.9	10.3	8.8	1,636	1,024	726
1975	959	617	64.3	434	258	261	11.5	11.7	10.9	4,232	2,725	1,916
1976	1,426	926	65.0	601	352	359	10.7	8.1	8.3	6,047	3,830	2,543
1977	1,581	1,032	65.3	656	391	391	11.2	11.1	8.9	6,622	4,323	2,755
1978	(x)	23	(x)	-	29	1	12.6	12.4	(x)	(x)	114	-
1979	(x)	91	(x)	2	85	2	14.7	11.4	7.2	(x)	401	6
1980	(x)	89	(x)	2	108	4	2.1	6.2	18.8	(x)	419	7
1981	(x)	107	(x)	2	122	4	8.1	13.0	-	(x)	449	8
1982	333	185	55.6	148	86	92	7.5	9.8	8.0	1,636	910	726
1983	959	628	65.6	432	273	259	11.0	11.9	10.8	4,232	2,394	1,808
1984	1,426	929	65.1	599	343	356	12.0	8.9	8.3	6,047	3,511	2,536
1985	1,581	925	58.5	656	391	387	11.6	10.7	8.7	6,622	3,874	2,748
1970	197	99	50.3	98	31	67	6.2	12.0	9.5	989	486	482
1971	517	209	40.4	308	108	200	7.8	13.3	11.6	2,263	824	1,369
1972	759	325	42.8	434	157	277	11.7	9.8	8.5	3,212	1,376	1,836
1973	833	380	43.2	472	172	300	10.8	9.6	8.3	3,488	1,509	1,979
1974	48	18	37.5	30	13	16	.6	6.4	7.2	234	86	148
1975	98	36	36.4	63	23	40	7.2	5.9	9.6	439	161	278
1976	143	72	50.3	71	25	45	18.9	2.1	3.0	606	307	299
1977	157	77	48.0	80	31	49	6.9	24.0	8.9	657	323	335
1978	514	371	72.2	144	42	102	2.6	8.3	7.2	2,531	1,625	706
1979	1,250	814	73.1	336	122	214	8.4	11.3	7.7	5,518	4,037	1,482
1980	2,083	1,577	75.7	506	166	320	14.6	11.1	10.6	6,621	6,677	2,144
1981	2,396	1,827	76.3	569	212	357	15.9	14.0	11.8	10,036	7,866	2,391

1 zero. X Not applicable. 2 Rounds to zero. 3 Data adjusted to system for reporting State and local are differ from figures in section 10 tables. 4 Represents average for period of intervals shown; for 1970, 1980. For explanation, see Guide to Tabular Presentation. Minus sign ( - ) indicates decrease. 5 Based on all population as of July 1 except 1970 based on resident population enumerated as of April 1, 1970, and 1980 all population enumerated as of April 1, 1980. Excludes intergovernmental amounts. 6 Includes other amounts, mainly 7 Duplicative intergovernmental transactions are excluded. 8 Minor amounts included in individual 9 Includes customs. 10 End of fiscal year.

Bureau of the Census, *Census of Governments: 1977 and 1982, Historical Statistics on Governmental Finance* (FIC 77(2)-4 and 82(2)-4); and *Governmental Finance*, series GF No. 6, annual.



## No. 431. ALL GOVERNMENTS—REVENUE AND EXPENDITURE, BY LEVEL OF GOVERNMENT: 1965

(For fiscal year ending in year shown, see text, section B. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-537 and Y 563-546.)

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	PERCENT		PER CAPITA <sup>1</sup> (dol.)	
					Federal	State and local	Federal	State and local
<b>Revenue</b>	<b>* 1,416,326</b>	<b>806,806</b>	<b>436,963</b>	<b>* 402,479</b>	<b>100.0</b>	<b>100.0</b>	<b>3,379</b>	<b>2,014</b>
Intergovernment revenue	(*)	1,931	69,867	136,104	.2	14.8	6	445
Revenue from own sources	1,416,326	804,877	349,077	264,374	99.8	85.2	3,371	2,570
General revenue from own sources	1,060,000	558,518	275,468	216,014	69.2	68.3	2,339	2,059
Percent of total revenue	74.0	69.2	62.8	53.7	(x)	(x)	(x)	(x)
Taxes <sup>2</sup>	803,830	454,037	215,320	134,473	56.8	48.6	1,902	1,486
Property	103,757	(x)	3,964	99,772	(x)	14.4	(x)	435
Individual income	401,015	330,916	63,544	6,453	41.0	9.7	1,366	294
Corporation income	80,489	61,331	17,637	1,521	7.6	2.7	257	80
Sales and gross receipts	175,440	49,159	105,325	20,956	8.1	17.5	206	529
Customs duties	12,178	12,178	(x)	(x)	1.5	(x)	51	(x)
General sales and gross receipts	84,292	(x)	69,629	14,663	(x)	11.7	(x)	353
Selective sales and gross receipts <sup>3</sup>	78,672	36,963	35,896	—	4.6	5.6	165	176
Motor fuel	25,252	11,614	13,352	296	1.4	1.9	49	57
Alcoholic beverages	6,862	5,376	3,031	255	.7	.5	23	14
Tobacco products	8,628	4,483	4,247	196	.8	.6	19	19
Public utilities	14,645	4,998	6,203	3,445	.8	1.4	21	42
Motor vehicle and operators' licenses	6,177	(x)	7,659	516	(x)	1.1	(x)	34
Death and gift	6,750	6,422	2,328	—	.8	.3	27	10
Charges and misc. general revenue <sup>4</sup>	246,170	104,481	60,148	81,541	12.9	19.7	436	589
Current charges <sup>5</sup>	135,407	60,992	27,590	46,825	7.8	10.3	255	312
National defense and international relations	6,600	6,600	(x)	(x)	.3	(x)	28	(x)
Postal service	26,805	26,805	(x)	(x)	3.3	(x)	112	(x)
Education <sup>6</sup>	21,636	—	15,664	6,272	—	3.0	—	62
School lunch sales	2,618	(x)	10	2,607	(x)	.4	(x)	11
Higher education	17,512	—	15,444	2,068	—	2.4	—	73
Natural resources	14,652	13,612	771	269	1.7	.1	57	4
Hospitals	21,720	109	5,956	15,654	(2)	3.0	(2)	81
Sewerage and sanitation	9,573	(x)	3	9,571	(x)	1.3	(x)	40
Parks and recreation	2,159	62	497	1,600	(2)	.3	(2)	9
Housing and community development	4,140	2,068	218	1,854	.3	.3	6	9
Air transportation	3,179	61	299	2,816	(2)	.4	(2)	13
Water transport and terminals	1,664	522	335	607	.1	.2	2	5
Special assessments	2,111	(x)	66	2,022	(x)	.3	(x)	9
Sale of property	2,762	1,932	175	675	.2	.1	8	4
Interest earnings	48,867	15,563	18,218	17,086	1.9	4.6	66	139
Utility revenue	41,564	(x)	2,948	38,616	(x)	5.8	(x)	174
Liquor stores	3,235	(x)	2,763	462	(x)	.4	(x)	14
Insurance trust revenue	323,529	246,359	67,907	9,262	30.5	10.7	1,032	323
<b>Expenditure</b>	<b>* 1,569,997</b>	<b>1,032,131</b>	<b>390,828</b>	<b>* 390,890</b>	<b>100.0</b>	<b>100.0</b>	<b>4,323</b>	<b>2,796</b>
Intergovernment expenditure	(*)	107,242	121,571	4,030	10.4	.3	449	6
General revenue sharing	(*)	4,584	(x)	(x)	.4	(x)	19	(x)
Direct expenditure	1,569,997	924,889	269,257	366,851	99.6	99.7	3,874	2,746
General expenditure	1,182,375	640,256	223,562	328,558	62.0	63.9	2,662	2,313
Percent of total expenditure	75.4	62.0	57.2	84.1	(x)	(x)	(x)	(x)
Education <sup>7</sup>	205,894	13,208	53,667	139,019	1.3	26.3	56	607
Elementary and secondary education	131,967	—	1,020	130,967	—	20.1	—	553
Higher education	62,318	—	44,262	6,052	—	7.9	—	219
Public welfare	94,811	25,234	52,668	16,898	2.4	10.6	—	291
Health and hospitals	63,698	14,020	23,211	26,467	1.4	7.5	69	206
Highways	45,856	634	27,167	17,654	.1	6.6	3	166
Police protection	24,366	3,430	3,114	17,843	.3	3.2	14	88
Fire protection	8,917	(x)	(x)	8,917	(x)	1.4	(x)	37
Correction	13,559	720	8,370	4,469	.1	2.0	3	84
Natural resources <sup>8</sup>	71,152	53,635	7,998	9,549	6.2	2.7	225	73
Sewerage and sanitation	17,399	(x)	329	17,070	(x)	2.6	(x)	73
Housing and community development	18,592	8,214	1,034	9,344	.8	1.6	34	43
Governmental administration	37,200	8,309	10,820	17,971	.9	4.4	35	121
Interest on general debt	172,708	140,281	14,962	17,445	13.6	4.9	585	138
Other	416,206	372,371	20,112	23,722	36.1	7.0	1,580	192
Utility expenditure	56,975	(x)	5,364	51,611	(x)	6.7	(x)	239
Liquor stores expenditure	2,823	(x)	2,391	432	(x)	.4	(x)	12
Insurance trust expenditure	328,824	284,633	37,940	6,251	27.6	6.7	1,192	185
By character and object:								
Current operation	832,773	390,261	172,210	300,261	34.9	71.8	1,509	1,979
Capital outlay	156,915	77,014	30,667	49,245	7.5	12.1	323	335
Construction	71,168	10,632	23,877	36,779	1.0	9.2	44	254
Equip. land and existing structures	85,727	66,482	6,780	12,465	8.4	2.9	279	61
Assistance and subsidies	63,367	62,880	12,842	7,665	8.1	3.1	293	87
Interest on debt (general and utility)	179,068	140,281	18,608	23,209	13.6	5.9	586	169
Insurance benefits and repayments	228,824	284,633	37,940	6,251	27.6	6.7	1,192	185
<b>Expenditure for salaries and wages</b>	<b>357,206</b>	<b>180,331</b>	<b>70,627</b>	<b>186,250</b>	<b>11.7</b>	<b>38.0</b>	<b>504</b>	<b>666</b>

Represents or rounds to zero. X Not applicable. Z Less than .05 percent or \$50. <sup>1</sup> Based on estimated resident population as of July 1. <sup>2</sup> Aggregates exclude duplicative transactions between levels of government; see source. Includes amounts not shown separately. <sup>3</sup> Includes parks and recreation.

Source: U.S. Bureau of the Census, *Governmental Finances in 1964-65*, series GF 85, No. 5.



### No. 432. ALL GOVERNMENTS—EXPENDITURE FOR CAPITAL OUTLAY, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1970 TO 1986

In millions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Except for 1982, local government data are estimates subject to sampling variation; see Appendix III. See also *Historical Statistics, Colonial Times to 1972*, series Y 523-524, Y 673-674, Y 740,741, and Y 767-768.

LEVEL AND FUNCTION	1970	1975	1979	1979	1980	1981	1982	1983	1984	1986
<b>Total</b>	<b>47,519</b>	<b>66,822</b>	<b>81,058</b>	<b>83,186</b>	<b>90,306</b>	<b>118,498</b>	<b>129,637</b>	<b>148,729</b>	<b>143,107</b>	<b>198,915</b>
<b>Federal Government:</b>										
<b>Total</b>	<b>17,888</b>	<b>21,798</b>	<b>30,288</b>	<b>30,860</b>	<b>36,482</b>	<b>48,903</b>	<b>62,635</b>	<b>80,744</b>	<b>72,488</b>	<b>77,014</b>
Annual percent change <sup>1</sup>	6.0	4.1	20.9	10.1	-8.7	34.0	28.5	28.5	10.3	6.3
As percent of direct expenditure	9.7	7.5	9.1	8.8	6.9	7.8	8.8	10.3	8.7	8.3
By function:										
National defense <sup>2</sup>	14,027	14,507	26,361	29,502	28,181	39,441	52,958	68,897	60,382	64,154
Education	9	2	58	63	97	1	19	26	58	39
Highways	9	70	85	128	132	115	84	153	187	121
Health and hospitals	186	311	627	579	673	806	827	1,146	1,018	916
Natural resources	1,691	3,418	5,601	5,986	4,046	5,097	4,983	4,500	4,435	4,092
Housing <sup>3</sup>	853	1,059	365	345	317	376	613	1,080	1,471	1,935
Air transportation	234	363	148	238	151	265	115	283	249	786
Water transportation <sup>4</sup>	285	251	341	557	1,003	858	780	634	482	583
All other	596	1,819	2,706	2,584	1,912	2,124	2,478	3,225	4,176	4,389
<b>State and local governments:</b>										
<b>Total</b>	<b>29,630</b>	<b>44,824</b>	<b>44,769</b>	<b>53,196</b>	<b>53,824</b>	<b>67,595</b>	<b>66,802</b>	<b>67,981</b>	<b>70,611</b>	<b>78,981</b>
Annual percent change <sup>1</sup>	5.0	8.6	-9	18.8	18.2	7.5	1.2	1.8	3.9	13.1
As percent of direct expenditure	20.0	16.7	13.0	14.0	14.5	13.9	12.8	12.0	11.8	12.2
By function:										
Education <sup>5</sup>	7,821	9,861	8,674	9,505	10,737	11,327	10,855	10,880	11,586	13,477
Higher education	2,705	2,634	2,593	2,781	2,872	3,474	3,898	3,403	3,855	4,629
Elementary and secondary	4,658	6,632	5,709	6,370	7,362	7,441	6,864	7,200	7,258	8,358
Highways	10,762	13,648	12,896	15,567	19,133	19,334	18,178	18,627	20,288	23,900
Health and hospitals	790	1,781	1,878	1,984	2,443	2,559	2,503	2,707	2,380	2,712
Natural resources	789	1,113	643	720	1,052	1,017	1,072	1,311	1,414	1,736
Housing <sup>3</sup>	1,319	1,821	1,439	1,685	2,248	2,889	3,259	2,921	3,104	3,217
Air transportation	691	852	777	988	1,391	1,436	1,374	1,408	1,814	1,875
Water transportation <sup>4</sup>	258	419	317	558	823	878	898	716	585	717
Sewerage	1,385	3,589	4,366	5,819	6,272	6,911	5,922	5,806	5,884	5,926
Parks and recreation <sup>6</sup>	684	1,261	1,552	1,781	2,023	2,072	2,028	2,100	1,982	2,196
Utilities <sup>7</sup>	2,437	4,846	6,587	8,357	9,833	11,582	12,484	12,870	12,599	13,435
Water	1,201	2,111	2,141	2,701	3,335	3,784	3,888	3,821	3,438	4,180
Electric	820	1,465	3,001	3,943	4,572	4,960	5,603	5,292	5,153	5,247
Transit	388	1,203	1,407	1,618	1,921	2,617	3,072	3,615	3,673	3,830
Gas	50	48	47	98	105	181	120	143	135	198
Other	2,915	5,656	5,628	6,443	7,039	7,809	8,427	8,634	9,286	10,711

<sup>1</sup> Change from immediate prior year.  
<sup>2</sup> Includes community development.  
<sup>3</sup> Includes international relations and U.S. service schools.  
<sup>4</sup> Includes terminals.  
<sup>5</sup> Includes other education.  
<sup>6</sup> Beginning 1975, includes outlays by State governments.

Source: U.S. Bureau of the Census, *Census of Governments: 1977 and 1982*, Vol. 6, No. 4, *Historical Statistics on Governmental Finance and Employment*; and *Governmental Finance*, series GF No. 5, annual.

### No. 433. STATE AND LOCAL GOVERNMENT RECEIPTS AND EXPENDITURES IN THE NATIONAL INCOME AND PRODUCT ACCOUNTS: 1970 TO 1986

(In billions of dollars. Includes trust accounts transactions. For explanation of national income, see text, p. 403)

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>Receipts</b>	<b>136.8</b>	<b>238.8</b>	<b>355.3</b>	<b>396.6</b>	<b>425.6</b>	<b>448.4</b>	<b>487.7</b>	<b>540.5</b>	<b>579.8</b>	<b>618.8</b>
<b>General, own source</b>	<b>102.1</b>	<b>168.2</b>	<b>247.4</b>	<b>271.6</b>	<b>305.2</b>	<b>329.7</b>	<b>363.0</b>	<b>406.7</b>	<b>437.8</b>	<b>487.4</b>
Personal tax and nontax receipts <sup>1</sup>	23.6	44.7	73.7	82.8	94.5	104.9	116.1	129.8	139.3	149.3
Income taxes	10.9	22.5	36.2	42.6	47.9	51.9	58.3	67.6	71.9	78.3
Nontaxes	8.3	18.3	27.6	31.5	37.5	43.2	47.4	51.3	55.6	60.3
Corporate profits tax accruals	3.7	7.3	13.6	14.5	15.4	14.0	15.9	18.7	20.6	21.3
Indirect business tax and nontax accruals <sup>1</sup>	74.8	116.2	160.1	174.5	195.3	210.8	231.0	258.2	277.9	298.8
Sales taxes	31.6	51.7	77.3	82.9	90.7	96.2	106.6	120.8	130.9	139.8
Property taxes	36.7	53.4	64.4	68.8	77.1	85.3	91.9	99.7	107.1	114.8
Contributions for social insurance	9.2	18.8	27.4	29.7	32.5	35.8	38.5	40.2	42.1	44.5
Federal grants-in-aid	24.4	54.8	80.5	88.7	87.9	83.9	86.2	83.8	89.7	106.9
<b>Expenditures <sup>2</sup></b>	<b>134.0</b>	<b>238.2</b>	<b>327.7</b>	<b>363.2</b>	<b>391.4</b>	<b>414.3</b>	<b>440.2</b>	<b>475.9</b>	<b>516.5</b>	<b>581.8</b>
<b>Purchases of goods and services</b>	<b>119.4</b>	<b>205.9</b>	<b>269.9</b>	<b>322.2</b>	<b>345.9</b>	<b>389.0</b>	<b>391.5</b>	<b>425.3</b>	<b>464.7</b>	<b>503.5</b>
Compensation of employees	71.1	121.1	173.5	192.2	209.3	226.9	241.7	258.5	276.3	299.9
Transfer payments to persons	20.1	38.9	57.2	65.7	73.8	79.9	86.5	93.7	101.5	110.1
Net interest paid <sup>3</sup>	1.8	4.2	11.8	17.0	20.1	24.4	28.2	-28.4	-30.4	-21.5
Less: Dividends received	.2	.9	2.0	1.9	2.3	2.9	2.8	3.5	5.0	5.6
Subsidies <sup>4</sup>	-3.6	4.5	5.7	5.8	5.6	7.3	8.8	11.3	-14.2	-14.6
<b>Surplus</b>	<b>1.8</b>	<b>4.5</b>	<b>27.8</b>	<b>28.8</b>	<b>34.1</b>	<b>36.1</b>	<b>47.8</b>	<b>64.6</b>	<b>63.1</b>	<b>36.8</b>
<b>Local insurance funds</b>	<b>6.9</b>	<b>13.1</b>	<b>23.8</b>	<b>27.1</b>	<b>30.0</b>	<b>36.9</b>	<b>43.1</b>	<b>44.8</b>	<b>47.1</b>	<b>48.4</b>
<b>Other</b>	<b>-5.1</b>	<b>-8.8</b>	<b>3.8</b>	<b>.3</b>	<b>4.1</b>	<b>1.7</b>	<b>4.4</b>	<b>18.8</b>	<b>18.0</b>	<b>7.4</b>

<sup>1</sup> Includes other items not shown separately.  
<sup>2</sup> Includes wage accruals less disbursements of -\$135 million in 1979 and -\$840 million in 1980, not shown separately.

<sup>3</sup> Interest paid less interest received.  
<sup>4</sup> Less current surplus of government enterprises.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929 to 1982*; and *Survey of Current Business*, July 1987.

## NO. 434. FEDERAL GRANTS-IN-AID—SUMMARY: 1965 TO 1986

(For fiscal year ending in year shown; see text, section 9. Minus sign (-) indicates decrease)

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS	
	Total grants (bil. dol.)	Annual percent change <sup>1</sup>	Grants to individuals		Grants as percent of—			Total grants (bil. dol.)	Average annual percent change <sup>2</sup>
			Total (bil. dol.)	Percent of total grants	State-local govt. outlays <sup>3</sup>	Federal outlays	Gross national product		
1965	10.9	7.0	3.7	33.9	15.1	9.2	1.6	35.4	7.5
1970	24.0	18.2	8.8	36.8	19.0	12.3	2.4	61.2	11.8
1975	49.6	14.7	16.4	33.0	22.6	15.0	3.3	67.1	7.3
1977	66.4	15.7	22.2	32.4	25.6	16.7	3.6	103.6	9.1
1979	77.9	13.9	24.2	31.0	26.6	17.0	3.6	106.7	5.9
1979	82.9	6.4	26.9	32.4	25.8	16.5	3.4	106.7	-2.7
1980	91.5	10.4	31.9	34.9	25.8	16.5	3.4	106.9	-7
1981	94.8	3.6	35.9	39.0	24.7	14.0	3.2	100.7	-4.9
1982	86.2	-7.0	37.9	42.9	21.8	11.8	2.8	86.2	-12.4
1983	92.5	4.8	41.8	45.0	21.3	11.4	2.8	86.8	7
1984	97.6	5.5	44.3	45.4	21.0	11.5	2.8	90.2	1.8
1985	105.9	8.5	48.1	45.4	21.0	11.2	2.7	93.7	3.9
1986	112.4	6.1	51.4	45.7	20.6	11.4	2.7	95.0	1.4
1987, est.	109.9	-2.2	54.2	49.3	19.1	10.8	2.5	90.2	-5.1
1988, est.	106.3	-3.3	52.9	49.8	17.1	10.4	2.3	84.1	-8.8

<sup>1</sup> Average annual percent change from prior year shown. For explanation, see Guide to Tabular Presentation. 1985, change from 1980. <sup>2</sup> Outlays as defined in the national income and product accounts.Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1987 Edition*, based on *Budget of the United States Government, FY 88, Special Analysis H*.

## NO. 435. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS: 1970 TO 1987

(In millions of dollars. For fiscal year ending in year shown; see text, section 9. Includes trust funds. Minus sign (-) indicates previously disbursed funds returned to the Federal Government. See *Historical Statistics, Colonial Times to 1970*, series Y 639-651, for related data)

TYPE OF AID, FUNCTION, AND MAJOR PROGRAM	1970	1975	1980	1982	1983	1984	1985	1986	1987, est.
Grant-in-aid shared revenues	24,086	49,761	91,461	98,196	92,496	97,577	106,997	112,367	106,676
National defense	37	74	93	68	56	65	157	177	174
Natural resources and environment	411	2,437	5,363	4,872	4,018	3,779	4,068	4,255	3,757
Environmental Protection Agency	194	2,025	4,603	4,079	3,266	2,922	3,197	3,419	2,980
Energy	25	43	499	509	462	534	529	538	431
Agriculture	604	404	569	986	1,822	1,832	2,420	1,932	2,044
Transportation <sup>1</sup>	4,569	5,894	13,087	12,171	13,248	15,013	17,055	16,396	17,544
Airports	83	292	590	339	453	694	789	853	869
Highways	4,265	4,702	9,209	7,903	6,866	10,522	12,841	14,109	12,809
Railroads	-	(2)	54	60	182	34	25	22	45
Urban mass transit	106	689	3,129	3,782	3,855	3,483	2,797	2,686	3,008
Commerce and housing credit	4	2	3	3	62	2	2	2	1
Community and regional development <sup>2</sup>	1,780	2,842	6,486	5,379	4,962	5,157	5,221	4,991	4,991
Appalachian development	184	306	335	304	262	209	199	154	136
Community development block grants	(X)	36	3,902	3,792	3,554	3,819	3,817	3,326	3,299
Urban renewal	1,064	1,374	214	101	38	24	28	13	-
Education, employment, training, social services <sup>3</sup>	6,417	12,133	21,862	16,589	16,125	16,669	17,817	16,953	16,579
Elementary and secondary education <sup>4</sup>	1,470	2,184	3,370	(X)	(X)	(X)	(X)	(X)	(X)
Compensatory education for the disadvantaged <sup>5</sup>	(X)	(X)	(X)	2,636	2,629	3,067	4,194	3,362	3,097
Special programs and populations <sup>6</sup>	(X)	(X)	(X)	636	509	570	479	576	615
Bilingual education <sup>7</sup>	(X)	(X)	(X)	110	108	112	66	52	112
Federally affected areas impact aid	622	577	622	546	546	567	629	678	700
Vocational and adult education	265	653	854	802	705	719	633	1,008	1,036
Library and learning resources	105	210	158	101	124	60	76	66	188
Work incentives	81	304	363	222	261	259	274	227	110
Social services—block grants to States	574	2,047	2,763	2,568	2,508	2,789	2,743	2,671	2,661
Human development	390	803	1,548	1,531	1,666	1,717	1,807	1,831	1,812
Employment and training assistance	954	2,504	6,191	3,295	3,197	2,565	2,775	3,019	2,666
Temporary employment assistance	(X)	372	1,797	38	46	15	18	-	-
Health <sup>8</sup>	3,849	6,810	15,758	16,839	20,224	21,837	24,451	26,823	26,089
Alcohol, drug abuse, and mental health <sup>9</sup>	146	590	679	656	506	501	501	494	640
Medicaid <sup>10</sup>	2,727	6,640	13,957	17,391	18,965	20,061	22,655	24,996	26,709
Income security <sup>11</sup>	5,795	9,352	18,495	21,930	24,758	25,678	27,153	29,070	30,968
Assistance payment program <sup>12</sup>	4,142	5,121	6,866	7,486	7,844	8,311	8,592	8,877	10,808
Food stamps—administration	659	136	413	752	629	732	886	968	1,126
Child nutrition and special milk programs <sup>13</sup>	379	1,566	3,386	2,675	3,115	3,361	3,480	3,678	3,982
Housing assistance <sup>14</sup>	438	1,326	3,435	4,894	5,685	5,750	6,407	7,418	8,182
Veterans benefits and services	16	33	90	63	66	66	91	90	109
Administration of justice	42	725	529	187	101	69	95	133	299
General government	49	101	156	262	211	171	162	171	186
General purpose fiscal assistance	430	6,971	8,478	6,347	6,330	6,677	6,656	6,998	2,931
General revenue sharing	(X)	6,190	6,828	4,569	4,614	4,567	4,584	5,114	76

- Represents zero. X Not applicable. Z Less than \$600,000. <sup>1</sup> Includes \$5 million for international affairs subsequently provided to a private institution. <sup>2</sup> Includes items not shown separately. <sup>3</sup> The 1983 Budget proposed dismantling of the Dept. of Education (DED). Budget data for elementary and secondary education previously performed by DED are included in the Foundation for Education Assistance under compensatory education for the disadvantaged, special programs and populations, and bilingual education. <sup>4</sup> Includes grants for payments to individuals.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

### 436. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS—SELECTED PROGRAMS, BY STATE: 1986

(In millions of dollars, except per capita. For fiscal year ending Sept. 30)

STATE	FEDERAL AID <sup>1</sup>		OE <sup>2</sup> compensatory edu- cation <sup>3</sup>	EPA <sup>4</sup> waste treat- ment facilities con- struction	HEW <sup>5</sup>		HUD <sup>6</sup>		ETA <sup>10</sup> employ- ment/ training	DEPARTMENT OF—	
	Total	Per cap- ita <sup>7</sup> (dol.)			Medi- cared	Medi- cald	Lower income housing assistan- ce <sup>8</sup>	Communi- ty develop- ment		Trans- portation, highway trust fund	Treas- ury, general revenue sharing
All States	112,886	480	2,380	2,880	12,419	34,802	7,517	3,328	3,019	13,988	6,113
Alabama	8,583	515	186	187	770	1,883	823	181	128	819	261
Alaska	572	573	15	17	80	180	58	25	19	85	31
Arizona	404	394	8	29	31	75	31	12	8	59	15
Arkansas	334	617	7	15	41	69	22	5	7	50	13
California	3,082	528	76	86	370	889	283	83	85	185	140
Colorado	570	585	13	12	84	151	61	14	12	80	22
Connecticut	1,501	471	37	28	174	339	167	42	31	190	60
Delaware	21,482	576	841	688	2,680	6,379	1,888	728	483	1,778	917
District of Columbia	12,380	887	380	458	1,570	4,384	384	384	211	673	509
Florida	3,354	440	114	103	409	700	305	117	89	285	118
Georgia	5,718	481	167	97	681	1,286	446	225	118	245	245
Hawaii	18,437	442	636	919	2,787	4,438	1,322	877	623	1,888	888
Idaho	4,784	443	122	223	614	1,283	372	152	159	488	214
Illinois	2,000	363	52	82	158	571	122	81	81	188	102
Indiana	5,010	434	162	125	620	922	437	184	161	578	118
Iowa	4,353	475	138	121	678	1,059	175	122	183	397	221
Kansas	2,310	483	52	67	437	623	116	59	59	208	118
Kentucky	7,886	437	189	241	630	1,586	488	214	161	1,302	388
Louisiana	2,110	501	42	52	293	580	132	53	44	287	101
Maine	1,158	434	31	37	145	236	44	42	176	63	63
Maryland	1,882	391	58	84	358	358	124	60	57	340	118
Massachusetts	433	638	8	16	28	74	30	7	9	80	31
Michigan	457	646	10	15	28	75	48	11	10	80	18
Minnesota	881	413	18	14	60	120	27	17	12	132	33
Mississippi	684	358	24	23	73	148	43	24	19	187	44
Missouri	16,333	388	548	438	1,278	3,308	1,188	448	432	3,228	808
Montana	314	495	10	16	42	42	35	7	7	14	14
Nebraska	1,858	439	59	80	379	379	167	48	48	285	97
Nevada	1,423	2,273	15	1	62	187	61	16	17	48	20
New Hampshire	1,885	345	88	45	173	354	189	93	51	358	110
New Jersey	1,083	554	31	40	99	170	53	26	28	234	52
New Mexico	2,281	380	81	45	188	547	173	64	77	284	132
New York	1,322	391	53	44	102	317	77	38	41	141	75
North Carolina	2,732	448	91	69	183	582	188	85	67	397	117
North Dakota	3,244	278	142	86	245	612	215	136	105	186	186
Ohio	7,015	481	267	138	416	1,548	684	189	238	988	328
Oklahoma	1,784	479	51	44	141	405	124	42	57	230	62
Oregon	2,128	443	72	31	112	552	158	59	85	118	118
Pennsylvania	1,759	434	70	34	81	317	140	52	68	288	118
Rhode Island	1,344	512	64	30	82	272	71	37	37	180	68
South Carolina	8,787	384	388	221	636	2,051	641	313	361	1,882	518
South Dakota	1,123	474	41	33	55	320	61	22	32	157	52
Tennessee	2,038	453	83	29	143	527	125	57	57	288	95
Texas	1,400	423	38	27	88	303	128	42	32	176	63
Utah	5,225	213	225	132	242	801	328	201	105	931	288
Vermont	8,008	384	137	131	367	728	261	128	164	1,223	287
Virginia	582	723	11	18	40	88	49	8	13	132	22
Washington	435	434	10	10	30	81	13	3	13	96	22
West Virginia	471	829	4	14	15	18	7	4	7	98	19
Wisconsin	1,220	374	32	21	101	177	68	31	11	231	82
Wyoming	857	578	27	15	52	123	67	20	19	118	37
Unaffiliated	1,206	367	35	14	71	70	117	37	49	248	118
Total	807	485	12	17	81	140	21	18	14	189	44
Unaffiliated	418	434	8	22	17	45	41	8	11	117	15
Total	18,873	438	418	212	2,783	3,223	888	483	481	1,888	772
Unaffiliated	1,905	427	45	17	111	355	85	41	82	351	85
Unaffiliated	1,340	497	30	28	131	189	51	28	40	179	61
Unaffiliated	11,291	419	322	232	2,267	2,553	587	344	325	865	581
Unaffiliated	684	1,244	6	21	40	48	75	7	12	126	21
Unaffiliated	473	448	12	16	46	77	30	32	12	63	24
Total	2,784	753	122	25	85	82	234	94	100	118	118

figures are zero. <sup>1</sup> Includes other amounts not shown separately. <sup>2</sup> Based on Bureau of the Census estimated population as of July 1. <sup>3</sup> Office of Education. <sup>4</sup> For the disadvantaged. <sup>5</sup> Environmental Protection Agency. <sup>6</sup> Department of Health and Human Services. <sup>7</sup> Social Security Administration. Includes Aid to Families With Dependent Children (AFDC), child support enforcement, low income home energy assistance, refugee assistance, State and local training and initial security income. <sup>8</sup> Department of Housing and Urban Development. <sup>9</sup> Includes public housing, housing assistance (section 8) to public agencies, and college housing, and operating assistance for low rent housing. <sup>10</sup> Employment Training Administration, Job Training Partnership Act. <sup>11</sup> Includes \$858 million undistributed by State (programs shown here are affected are compensatory education (\$—1 million), lower income housing assistance (\$—408 million), and highway trust funds (\$5 million)).

U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year 1986*.

## NO. 437. STATE AND LOCAL GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1965

[For fiscal year ending in year shown, see text, section B. Local government amounts included here are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1870*, series Y 652-709]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	TOTAL (mil. dol.)			PER CAPITA (dol.) <sup>1</sup>			PERCENT DISTRIBUTION		
	1960	1964	1965	1960	1964	1965	1960	1964	1965
<b>Revenues<sup>2</sup></b>	<b>461,537</b>	<b>561,967</b>	<b>719,000</b>	<b>1,963</b>	<b>2,781</b>	<b>3,014</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
From Federal Government	83,929	86,935	106,156	366	410	445	18.4	14.9	14.8
Public welfare	24,821	35,845	39,081	110	162	164	5.5	5.5	5.4
Highways	8,980	10,814	12,999	40	45	54	2.0	1.6	1.8
Education	14,436	15,361	16,766	64	65	70	3.2	2.4	2.3
Employment security administration	2,066	2,818	2,806	9	11	11	.6	.4	.4
Revenue sharing	6,844	4,541	4,556	30	19	19	1.5	.7	.6
Other and unallocable	26,793	27,869	30,164	114	118	126	5.7	4.3	4.2
From State and local sources	368,608	565,082	612,451	1,627	2,360	2,570	81.6	85.1	85.2
General, net intergovernmental	299,293	445,794	491,482	1,321	1,866	2,059	65.3	68.4	65.3
Taxes	223,463	320,194	349,793	966	1,359	1,466	49.5	49.1	46.8
Property	66,496	66,457	103,757	302	406	436	15.2	14.8	14.4
Sales and gross receipts	79,927	114,097	126,261	353	483	529	17.7	17.5	17.5
Individual income	42,080	64,529	70,097	186	273	294	9.3	9.9	9.7
Corporation income	13,321	17,141	19,156	59	73	80	3.0	2.6	2.7
Other	19,636	27,970	30,601	87	118	126	4.3	4.3	4.2
Charges and miscellaneous	75,830	125,000	141,666	335	532	593	16.8	19.3	19.7
Utility and liquor stores	25,580	40,814	44,800	113	172	188	5.7	6.2	6.2
Water supply system	6,766	10,467	11,980	30	44	50	1.5	1.6	1.7
Electric power system	11,367	19,814	21,767	50	83	91	2.6	3.0	3.0
Transit system	2,397	3,792	4,244	11	16	18	.5	.6	.6
Gas supply system	1,806	3,501	3,573	8	15	15	.4	.5	.5
Liquor stores	3,201	3,240	3,236	14	14	14	.7	.6	.4
Insurance trust revenue <sup>3</sup>	43,666	66,664	77,170	189	291	323	9.7	10.5	10.7
Employee retirement	26,441	46,160	53,212	112	196	223	5.6	7.1	7.4
Unemployment compensation	13,629	16,769	17,640	60	71	74	3.0	2.6	2.5
<b>Direct expenditure</b>	<b>432,328</b>	<b>596,845</b>	<b>688,108</b>	<b>1,868</b>	<b>2,536</b>	<b>2,746</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>By function:</b>									
Direct general expenditure <sup>4</sup>	367,340	503,375	552,119	1,621	2,132	2,313	85.0	84.0	84.2
Education <sup>5</sup>	133,211	178,106	192,686	586	746	807	30.8	29.4	29.4
Higher education	33,919	47,613	52,316	150	202	219	7.8	7.9	8.0
Local schools	92,930	120,896	131,967	410	512	553	21.5	20.2	20.1
Highways	33,311	39,419	45,022	147	167	189	7.7	6.8	6.9
Public welfare	45,552	64,709	69,577	201	274	291	10.5	10.8	10.6
Health	8,367	12,277	13,711	37	52	57	1.9	2.0	2.1
Hospitals	23,787	34,142	36,967	105	145	151	5.5	5.7	5.5
Police protection	13,494	19,262	20,956	60	82	88	3.1	3.2	3.2
Fire protection	6,718	8,202	8,917	29	36	37	1.3	1.4	1.4
Natural resources	5,809	7,421	8,357	24	31	35	1.3	1.2	1.3
Sanitation and sewerage	13,214	16,225	17,388	58	69	73	3.1	2.7	2.7
Housing and urban renewal	8,062	9,283	10,376	27	39	43	1.4	1.6	1.6
Parks and recreation	6,520	8,343	9,180	29	36	38	1.5	1.4	1.4
Financial administration	8,719	9,502	10,471	39	40	44	1.6	1.6	1.6
General control	8,697	12,994	14,314	38	56	60	2.0	2.2	2.2
Interest on general debt <sup>6</sup>	14,747	28,696	32,427	65	122	136	3.4	4.3	4.6
Utility and liquor stores <sup>4</sup>	36,191	55,062	59,798	160	233	250	8.4	9.2	9.1
Water supply system	9,226	12,560	14,296	41	53	60	2.1	2.1	2.2
Electric power system	15,016	23,206	25,341	66	86	106	3.5	3.9	3.9
Transit system	7,641	13,191	13,858	34	58	58	1.8	2.2	2.1
Gas supply system	1,715	3,244	3,468	8	14	15	.4	.6	.6
Liquor stores	2,991	2,741	2,823	11	12	12	.6	.5	.4
Insurance trust expenditure <sup>3</sup>	29,797	40,506	44,191	127	172	186	6.7	6.8	6.7
Employee retirement	14,008	22,271	24,414	62	94	102	3.2	3.7	3.7
Unemployment compensation	12,070	14,060	14,995	53	60	63	2.6	2.3	2.3
<b>By character and object:</b>									
Current operation	307,811	433,653	472,492	1,356	1,836	1,979	71.2	72.4	72.0
Capital outlay	62,894	70,851	79,901	276	299	336	14.5	11.8	12.2
Construction	51,492	53,833	60,856	227	228	254	11.9	8.0	9.2
Equipment, land and existing structures	11,402	16,818	19,245	50	71	81	2.6	2.8	2.9
Assistance and subsidies	15,222	19,894	20,707	67	83	87	3.5	3.3	3.2
Interest on debt (general and utility)	17,604	34,439	38,817	76	146	163	4.1	5.7	5.9
Insurance benefits and repayments	28,797	40,506	44,191	127	172	186	6.7	6.8	6.7
<b>Expenditure for salaries and wages</b>	<b>163,899</b>	<b>219,206</b>	<b>236,877</b>	<b>729</b>	<b>828</b>	<b>902</b>	<b>37.9</b>	<b>36.6</b>	<b>36.1</b>
<b>Debt outstanding, end of year</b>	<b>336,803</b>	<b>506,330</b>	<b>668,501</b>	<b>1,481</b>	<b>2,144</b>	<b>2,361</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Long-term	322,456	486,369	546,918	1,423	2,060	2,299	95.1	95.1	95.6
Short-term	13,147	19,960	19,583	58	85	62	3.9	3.9	3.4
Long-term debt:									
Issued	42,364	71,621	101,164	187	303	424	12.6	14.1	17.8
Retired	17,404	33,941	43,521	77	144	162	5.2	6.7	7.7

Based on estimated resident population as of July 1, except 1960 based on resident population enumerated as of April 1, 1960. Excludes duplicative transactions between State and local governments. <sup>1</sup> Includes amounts not shown separately. Interest on utility debt included in "utility expenditures." For total interest on debt, see "Interest on debt (general and utility), below."

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC 82(9)-4) and *Governmental Finances*, series GF No. 5, annual.

No. 436. NEW ISSUES OF LONG-TERM STATE AND LOCAL GOVERNMENT SECURITIES: 1970 TO 1986

[In billions of dollars. Beginning 1982, includes outlying areas]

ITEM	1970	1975	1976	1980	1981	1982	1983	1984	1985	1986
All issues, new capital and refunding.....	18.2	30.8	43.5	48.5	47.7	79.0	85.1	108.0	222.2	150.3
General obligations .....	11.9	18.0	12.1	14.1	12.4	21.1	21.5	26.7	54.1	43.0
Revenue .....	6.1	14.5	31.3	34.3	35.3	58.0	63.6	81.3	165.1	107.3
Type of issuer:										
State .....	4.2	7.4	4.3	5.3	5.3	10.3	9.2	9.1	13.1	13.9
Special district and statutory authority .....	5.6	12.4	23.4	27.0	27.5	43.3	48.8	64.5	138.6	85.4
Municipalities, counties, townships <sup>1</sup> .....	8.4	10.7	15.6	16.1	14.9	25.4	27.3	34.3	70.5	51.3
Issues for new capital, total.....	16.1	29.5	41.5	48.7	48.5	74.8	71.1	95.2	180.0	81.2
Use of proceeds:										
Education .....	5.0	4.7	5.2	4.8	4.6	6.5	6.2	7.9	16.6	11.3
Transportation .....	3.2	2.2	2.4	2.8	3.4	8.3	4.4	7.6	12.1	7.5
Roads, bridges .....	1.5	1.3	1.1	1.1	.9	1.7	1.3	2.0	4.7	4.2
Utilities and conservation .....	3.5	5.5	8.5	8.0	10.2	14.3	13.5	16.0	27.0	13.8
Electric and gas .....	.9	1.9	3.5	3.4	6.3	7.1	6.3	6.8	10.9	5.1
Social welfare .....	1.2	3.9	15.7	19.4	12.1	25.6	25.4	29.4	66.3	12.3
Public housing .....	.5	1.2	12.1	15.5	5.9	14.9	17.4	19.3	37.2	8.5
Industrial aid .....	.1	.4	1.7	1.7	3.4	2.9	3.6	15.7	14.1	4.9
Other .....	5.1	12.8	8.0	10.4	12.8	19.2	16.0	16.8	26.9	31.4

<sup>1</sup> Includes school districts.

Source: Public Securities Association, New York, NY, *Statistical Yearbook of Municipal Finances*, periodic, and IDD/PSA Municipal Database.

No. 438. STATE AND LOCAL GOVERNMENTS—INDEBTEDNESS AND DEBT TRANSACTIONS:  
1970 TO 1985

In billions of dollars, except per capita. As of and of fiscal year; see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 680, Y 747, and Y 794, for debt outstanding]

ITEM	DEBT OUTSTANDING						LONG-TERM		
	Total	Per capita <sup>1</sup> (dol.)	Long-term			Short-term	Net long-term	Debt issued	Debt retired
			Local <sup>2</sup> schools	Utilities <sup>3</sup>	All other				
1970: Total .....	143.8	704	31.5	19.6	60.3	12.2	121.7	12.8	7.0
State .....	42.0	208	3.0	(NA)	35.9	3.1	34.5	3.9	1.9
Local .....	101.6	496	28.6	19.6	44.4	9.1	87.3	8.9	5.1
1980: Total .....	336.6	1,482	32.3	55.2	235.0	13.1	262.9	42.4	17.4
State .....	122.0	540	3.8	4.6	111.5	2.1	79.8	18.4	5.7
Local .....	213.8	942	28.5	50.6	123.5	11.0	183.1	25.9	11.7
1984: Total .....	506.3	2,144	43.2	82.6	360.6	20.0	388.8	71.6	33.9
State .....	196.4	791	6.5	7.4	169.3	3.2	101.7	29.0	12.6
Local .....	320.0	1,355	36.7	75.2	191.2	16.8	287.1	42.6	21.4
1985: Total .....	588.5	2,381	43.8	90.8	414.3	19.6	430.4	101.2	43.5
State .....	211.9	890	6.7	8.6	193.8	2.8	110.3	41.7	16.4
Local .....	356.6	1,494	37.1	82.2	220.5	16.8	320.0	59.5	27.2

NA Not available. <sup>1</sup> 1970 and 1980 based on enumerated resident population as of April 1; 1983 and 1984 based on estimated resident population as of July 1. <sup>2</sup> Includes debt for education activities other than higher education. <sup>3</sup> Beginning 1980, data for State governments classified as "utility," rather than in "All other."

Source: U.S. Bureau of the Census, *Governmental Finances*, series GF No. 5, annual, and unpublished data.

No. 440. STATE AND LOCAL GOVERNMENT REVENUES FROM ALCOHOLIC BEVERAGES: 1984 AND 1985

[In millions of dollars, except per capita. For fiscal year; see text, section 9]

STATE	REVENUE		Revenue per capita <sup>2</sup> (dol.)	STATE	REVENUE		Revenue per capita <sup>2</sup> (dol.)	STATE	REVENUE		Revenue per capita <sup>2</sup> (dol.)
	Total	Taxes <sup>1</sup>			Total	Taxes <sup>1</sup>			Total	Taxes <sup>1</sup>	
Total, 1984 .....	6,702.3	5,770.2	28								
Total, 1985 .....	6,982.5	6,029.5	29	KY .....	84.2	59.9	17	ND .....	16.8	14.7	24
AL .....	137.1	114.8	34	LA .....	143.2	139.3	32	OH .....	307.8	200.8	29
AK .....	15.5	13.8	30	ME .....	45.1	23.3	39	OK .....	66.2	63.7	20
AZ .....	113.3	106.7	38	MD .....	96.1	81.0	22	OR .....	67.3	10.9	25
CA .....	41.3	36.8	18	MA .....	109.3	101.4	19	PA .....	291.6	215.7	25
CO .....	534.4	504.7	20	MI .....	249.7	181.2	28	RI .....	27.3	25.9	28
CT .....	97.0	94.3	30	MN .....	172.7	156.5	41	SC .....	142.4	136.1	43
DE .....	111.8	105.1	35	MS .....	87.9	67.1	34	SD .....	20.7	18.4	29
FL .....	5.7	5.2	9	MO .....	87.6	83.2	17	TN .....	181.7	171.0	38
GA .....	39.1	36.7	63	MT .....	19.9	13.9	24	TX .....	497.9	485.2	30
HI .....	579.7	580.8	51	NE .....	30.1	27.3	19	UT .....	49.1	29.6	30
IA .....	274.9	249.9	48	NV .....	68.7	84.2	71	VT .....	19.1	16.8	36
ID .....	22.1	18.7	21	NH .....	42.1	10.4	42	VA .....	186.8	136.7	33
IL .....	27.3	21.2	27	NJ .....	156.7	141.0	21	WA .....	229.3	196.5	52
IN .....	315.2	293.8	27	NM .....	36.2	36.2	26	WV .....	54.2	34.6	28
KS .....	107.9	100.6	20	NY .....	496.7	447.0	28	WI .....	117.4	111.0	25
LA .....	85.2	36.1	30	NC .....	207.4	163.0	33	WY .....	15.0	10.5	30
ME .....	48.1	47.5	20								

<sup>1</sup> Excise and sales taxes. <sup>2</sup> Based on estimated resident population as of July 1.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

## NO. 441. STATE AND LOCAL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT

(In millions of dollars, except as indicated. For fiscal years ending in year shown; see text, section B. Except for 1982, local

YEAR, DIVISION, AND STATE	GENERAL REVENUE									
	Total <sup>1</sup>	Amount from—					Per capita <sup>2</sup> (dol.)			
		Federal Government	Taxes			Current charges	Total		Taxes	
			Total	Property	Other		Amount	Rank	Total	Rank
1970	130,756	21,857	86,795	34,054	52,741	14,873	843	(x)	427	(x)
1975	228,171	47,034	141,405	51,491	89,914	25,588	1,071	(x)	664	(x)
1980	382,322	83,029	223,463	88,499	134,964	44,373	1,688	(x)	987	(x)
1981	423,404	90,294	244,514	74,969	169,545	50,238	1,899	(x)	1,079	(x)
1982	457,854	87,282	266,390	82,067	184,322	56,920	2,020	(x)	1,176	(x)
1983	498,753	90,007	284,438	89,105	195,332	62,625	2,060	(x)	1,216	(x)
1984	542,730	98,935	320,184	98,457	221,727	69,022	2,298	(x)	1,356	(x)
U.S., 1985	987,840	108,188	348,793	103,757	245,037	74,415	2,503	(x)	1,486	(x)
<b>New England:</b>										
Maine	2,848	651	1,545	549	997	242	2,275	32	1,328	29
New Hampshire	1,921	385	1,124	691	433	188	1,826	45	1,128	42
Vermont	1,351	333	745	284	460	148	2,525	24	1,362	21
Massachusetts	15,502	2,957	9,997	3,305	6,692	1,492	2,863	16	1,719	8
Rhode Island	2,589	530	1,431	589	842	242	2,854	17	1,479	15
Connecticut	8,596	1,252	5,765	2,231	3,533	650	2,709	12	1,816	5
<b>Middle Atlantic:</b>										
New York	64,588	11,457	41,500	12,238	29,262	5,850	3,631	4	2,334	4
New Jersey	20,700	3,112	13,223	5,423	7,800	2,050	2,737	11	1,749	7
Pennsylvania	27,163	5,095	18,414	4,350	12,064	2,491	2,292	30	1,395	22
<b>East North Central:</b>										
Ohio	24,229	4,203	14,296	4,017	10,279	3,264	2,255	33	1,331	26
Indiana	11,258	1,941	6,493	2,077	4,417	1,899	2,047	41	1,181	40
Illinois	27,399	4,970	17,007	6,064	10,943	2,542	2,375	27	1,474	16
Michigan	24,481	4,270	14,619	5,625	8,994	3,363	2,605	13	1,809	13
Wisconsin	12,493	2,229	7,692	2,715	4,976	1,577	2,610	18	1,611	12
<b>West North Central:</b>										
Minnesota	13,023	2,085	7,407	2,083	5,324	1,797	3,108	5	1,767	6
Iowa	6,603	1,144	3,530	1,501	2,029	1,078	2,290	31	1,331	27
Missouri	9,593	1,857	5,485	1,200	4,284	1,331	1,908	47	1,091	43
North Dakota	1,949	409	930	231	699	346	2,846	8	1,357	25
South Dakota	1,535	375	738	322	416	181	2,168	37	1,043	45
Nebraska	3,721	836	2,010	889	1,140	646	2,317	28	1,251	35
Kansas	5,672	889	3,324	1,227	2,097	795	2,397	29	1,357	26
<b>South Atlantic:</b>										
Delaware	1,907	293	989	127	862	296	3,067	6	1,556	14
Maryland	11,308	1,846	7,153	1,786	5,367	1,110	2,575	21	1,629	11
District of Columbia	3,238	1,346	1,574	455	1,119	147	5,172	3	2,515	3
Virginia	12,101	1,809	7,480	2,067	5,374	1,786	2,121	38	1,307	30
West Virginia	4,006	851	2,328	365	1,943	463	2,068	40	1,203	37
North Carolina	12,205	2,332	7,158	1,543	5,615	1,588	1,951	44	1,144	41
South Carolina	6,425	1,257	3,601	801	2,800	1,066	1,920	46	1,076	44
Georgia	13,455	2,716	7,081	1,761	5,299	2,530	2,251	34	1,181	36
Florida	23,940	3,805	13,428	4,295	9,133	4,080	2,108	36	1,181	39
<b>East South Central:</b>										
Kentucky	7,295	1,843	3,850	679	3,171	808	1,958	43	1,033	46
Tennessee	8,799	1,932	4,742	1,036	3,704	1,470	1,848	50	995	48
Alabama	8,086	1,786	3,681	465	3,616	1,476	2,006	42	990	49
Mississippi	4,929	1,153	2,398	550	1,849	982	1,898	48	916	51
<b>West South Central:</b>										
Arkansas	4,219	844	2,282	409	1,873	556	1,769	51	987	50
Louisiana	10,882	1,877	5,616	791	5,027	1,501	2,428	25	1,298	31
Oklahoma	7,409	1,151	4,255	745	3,511	1,135	2,111	35	1,289	32
Texas	35,579	4,899	20,741	7,626	13,115	4,899	2,173	39	1,257	33
<b>Mountain:</b>										
Montana	2,282	524	1,142	521	621	218	2,763	10	1,363	23
Idaho	1,915	419	1,027	262	745	286	1,906	49	1,022	47
Wyoming	2,664	470	1,313	561	752	252	5,274	2	2,580	2
Colorado	8,200	1,186	4,680	1,807	3,073	1,189	2,536	23	1,448	17
New Mexico	4,166	887	1,810	217	1,593	395	2,875	7	1,249	36
Arizona	7,324	939	4,398	1,170	3,218	851	2,298	29	1,378	24
Utah	4,240	865	2,070	589	1,501	486	2,578	20	1,258	34
Nevada	2,436	339	1,351	295	1,056	424	2,802	19	1,443	18
<b>Pacific:</b>										
Washington	11,219	2,246	6,328	1,813	4,515	1,560	2,545	22	1,435	19
Oregon	7,185	1,407	3,516	1,656	2,157	930	2,697	15	1,420	20
California	73,542	13,525	43,365	11,083	32,282	6,170	2,789	9	1,645	10
Alaska	6,726	525	2,399	556	1,830	421	12,910	1	4,585	1
Hawaii	2,816	500	1,741	309	1,432	338	2,673	14	1,852	9

X Not applicable. <sup>1</sup> Includes miscellaneous revenue, not shown separately. <sup>2</sup> Data for 1975 based on estimated resident population as of July 1, 1970 and 1980-1982 based on enumerated resident population as of April 1, 1970 and 1980, respectively; 1983-1985 based on estimated resident population as of July 1.



## 1970 TO 1985 AND BY STATE, 1985

government amounts included here are estimates subject to sampling variation; see source and Appendix III

DEBT OUTSTANDING			DIRECT GENERAL EXPENDITURE								CAPITAL OUTLAY *		YEAR, DIVISION AND STATE
Total	Per capita # (dol.)	Rank	Total	Per capita # (dol.)	Rank	Educ- tion	High- ways	Public wel- fare	Health, hospi- tals	All other	Total	Per capita # (dol.)	
143,570	706	(x)	131,332	646	(x)	52,718	18,427	14,679	9,888	37,840	29,850	146	1970
221,224	1,036	(x)	229,747	1,077	(x)	87,858	22,528	27,191	18,846	73,324	44,824	211	1975
335,603	1,482	(x)	367,340	1,822	(x)	133,211	33,311	45,552	32,174	123,092	62,894	278	1980
363,662	1,806	(x)	405,578	1,790	(x)	145,784	34,603	52,248	36,101	136,840	67,596	295	1981
404,579	1,786	(x)	435,103	1,921	(x)	154,293	34,520	56,216	40,882	149,202	66,802	296	1982
484,501	1,942	(x)	464,999	1,987	(x)	163,876	36,655	59,157	43,998	161,314	67,981	291	1983
506,330	2,144	(x)	503,375	2,132	(x)	176,108	39,419	64,709	46,419	176,720	70,951	299	1984
688,591	3,381	(x)	652,119	2,913	(x)	192,898	45,022	66,577	49,578	196,157	75,891	336	U.S., 1985
1,963	1,867	41	2,449	2,104	33	837	267	433	121	792	237	204	New England:
2,485	2,490	24	1,812	1,818	44	805	226	209	105	667	226	227	Maine
1,226	2,291	27	1,262	2,396	21	482	180	164	60	415	157	293	New Hampshire
15,439	2,652	22	14,134	2,428	19	4,233	752	2,395	1,334	5,420	1,822	313	Vermont
3,443	3,557	10	2,459	2,541	11	763	155	423	181	937	238	245	Massachusetts
8,735	2,752	20	7,516	2,398	22	2,346	617	1,005	503	3,048	631	262	Rhode Island
62,454	3,512	11	59,455	3,343	4	16,926	3,255	10,596	6,018	22,682	7,236	407	Connecticut
22,629	2,993	15	16,771	2,482	16	6,345	1,370	2,237	1,126	7,693	1,837	243	Middle Atlantic:
25,197	2,128	32	24,040	2,026	35	6,349	2,132	3,890	1,542	8,126	2,492	210	New York
16,842	1,549	44	22,781	2,120	32	6,462	1,716	3,491	1,842	7,137	2,560	236	New Jersey
7,145	1,300	49	10,179	1,851	43	4,113	651	1,157	1,069	2,990	1,241	226	Pennsylvania
21,709	1,882	38	25,087	2,173	31	8,371	2,403	3,614	1,821	9,058	3,430	297	East North Central:
15,214	1,674	42	22,706	2,496	15	6,180	1,417	3,848	2,275	6,884	1,889	208	Ohio
6,622	1,847	39	12,160	2,547	10	4,533	1,067	1,927	989	3,643	1,403	294	Indiana
13,958	3,329	13	11,918	2,642	5	3,926	1,222	1,807	974	3,990	1,731	413	Illinois
3,958	1,372	48	6,864	2,311	25	2,581	836	779	690	1,709	1,062	398	Minnesota
7,249	1,442	46	8,927	1,775	48	3,268	922	948	1,004	2,764	1,271	253	Iowa
1,299	1,997	36	1,647	2,096	8	683	271	183	97	613	296	432	Missouri
1,684	2,238	31	1,567	2,214	30	525	263	131	75	573	405	573	North Dakota
5,958	3,710	7	3,621	2,256	28	1,425	489	339	362	1,009	707	441	South Dakota
5,994	2,447	25	5,439	2,220	29	2,144	703	466	436	1,698	815	333	Nebraska
2,582	4,151	6	1,672	2,668	7	636	156	117	81	680	216	347	Kansas
12,307	2,802	17	10,332	2,352	23	3,578	939	1,216	418	4,181	1,555	354	South Atlantic:
3,437	5,490	2	2,716	4,342	2	473	90	486	266	1,403	519	629	Delaware
8,780	1,536	45	11,399	1,993	37	4,554	1,153	1,035	952	3,678	1,439	252	Maryland
4,402	2,274	29	3,840	1,983	36	1,554	469	356	279	1,191	505	261	District of Columbia
10,012	1,601	43	11,169	1,785	46	4,780	997	1,004	1,115	3,331	1,697	271	Virginia
6,748	2,018	33	5,966	1,782	48	2,453	422	517	839	1,734	839	250	West Virginia
11,251	1,863	37	11,771	1,970	39	4,062	1,143	1,033	2,065	3,478	2,496	418	North Carolina
26,071	2,294	26	22,226	1,956	41	7,807	1,881	1,674	2,429	8,838	4,669	411	South Carolina
10,365	2,782	18	6,699	1,796	45	2,413	720	879	456	2,230	909	244	Georgia
8,267	1,736	40	6,300	1,743	50	2,915	661	695	1,051	2,579	1,329	279	Florida
7,740	1,925	34	7,879	1,959	40	2,929	615	699	1,141	2,328	1,276	316	East South Central:
3,248	1,243	50	4,662	1,784	47	1,546	554	495	766	1,200	565	224	Kentucky
3,283	1,392	47	3,999	1,695	51	1,704	413	467	398	1,018	569	254	Tennessee
15,313	3,417	12	10,344	2,306	25	3,280	1,028	1,124	1,261	3,653	1,439	321	Alabama
7,411	2,245	30	6,713	2,034	34	2,636	836	693	668	2,056	1,219	369	Mississippi
42,388	2,599	23	32,803	2,004	36	14,107	2,952	2,226	3,088	10,729	6,356	368	West South Central:
1,884	2,281	26	2,160	2,615	8	798	304	196	114	747	401	488	Arkansas
1,147	1,141	51	1,878	1,868	42	712	242	147	178	599	315	314	Louisiana
2,291	4,501	4	2,121	4,186	3	801	344	91	203	681	551	1,062	Oklahoma
8,958	2,773	19	7,784	2,409	20	2,886	706	700	637	2,676	1,490	461	Texas
3,954	2,727	21	3,678	2,536	12	1,445	407	260	291	1,275	691	476	Mountain:
11,818	3,709	6	7,346	2,305	27	2,779	774	576	346	2,670	1,835	575	Montana
7,924	4,817	3	3,827	2,327	24	1,585	482	312	243	1,225	1,740	1,058	Idaho
2,802	2,993	14	2,356	2,518	13	606	260	131	243	1,116	447	477	Wyoming
17,873	4,064	6	11,093	2,518	14	3,934	1,159	1,180	856	3,963	2,352	533	Colorado
8,863	3,671	9	6,640	2,471	17	2,469	554	519	410	2,688	882	326	New Mexico
60,361	1,910	35	68,429	2,595	9	22,271	3,271	9,936	6,004	26,845	7,831	297	Arizona
9,861	16,986	1	4,954	6,559	1	1,234	550	210	191	2,769	1,462	2,807	Utah
3,056	2,896	15	2,801	2,468	18	730	134	269	185	1,263	369	350	Nevada
													Pacific:
													Washington
													Oregon
													California
													Alaska
													Hawaii

\* 1970 to 1982, based on personal income for the previous calendar year; beginning 1983 based on income for calendar year

\* Includes general functions, liquor stores, and utilities.

Source: U.S. Bureau of the Census, *Governmental Finances*, series GF, No. 5, annual.



## No. 442. STATE GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1965

(For fiscal years; see text section B. See also *Historical Statistics, Colonial Times to 1870*, series Y 710-782)

ITEM	TOTAL (mil. dol.)			PER CAPITA <sup>1</sup> (dol.)			PERCENT DISTRIBUTION		
	1960	1964	1965	1960	1964	1965	1960	1964	1965
<b>Borrowing and revenue</b>	<b>293,388</b>	<b>424,898</b>	<b>476,511</b>	<b>\$1,298</b>	<b>\$1,803</b>	<b>\$2,001</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Borrowing	18,384	27,611	37,547	73	117	158	6.6	6.5	7.9
Revenue	275,002	397,087	438,963	1,228	1,686	1,843	93.4	93.5	92.1
General revenue	233,592	330,740	365,354	1,034	1,404	1,534	79.6	77.9	76.7
Taxes	137,075	196,796	215,320	607	836	904	44.2	48.9	45.2
Sales and gross receipts	67,855	95,801	106,325	300	407	442	23.1	22.6	22.1
General	43,188	62,564	69,629	181	268	292	14.7	14.7	14.6
Motor fuels	9,722	12,368	13,362	43	53	56	3.3	2.9	2.9
Alcoholic beverages	2,478	2,900	3,031	11	12	13	.9	.7	.9
Tobacco products	3,738	4,149	4,247	17	18	19	1.3	1.0	.9
Other	8,750	13,793	16,065	38	58	63	3.0	3.2	3.2
Licenses	6,890	11,822	13,546	30	51	55	3.0	2.8	2.9
Motor vehicles	4,936	8,364	7,045	22	27	30	1.7	1.5	1.5
Corporations in general	1,968	2,104	2,767	8	8	12	.6	.5	.6
Other	2,388	3,464	3,734	10	15	18	.8	.8	.8
Individual income	37,089	58,942	63,644	164	260	287	12.6	13.9	13.4
Corporation net income	13,321	15,511	17,837	58	66	74	4.5	3.7	3.7
Property	2,892	3,862	3,964	13	16	17	1.0	.9	.9
Other	7,227	10,767	11,184	32	48	47	2.5	2.5	2.3
Charges and miscellaneous	32,190	52,495	60,148	142	223	253	11.0	12.4	12.8
Intergovernmental revenue	64,328	81,450	86,867	285	348	377	21.8	19.2	18.9
From Federal Government	61,892	78,140	84,434	274	323	355	21.1	17.9	17.7
Public welfare	24,880	35,423	38,884	109	150	162	8.3	8.1	8.1
Education	12,765	13,975	15,307	57	59	64	4.4	3.3	3.2
Highways	8,880	10,380	12,702	38	44	53	3.0	2.4	2.7
Other	15,587	16,362	17,781	69	69	75	5.3	3.9	3.7
From local governments	2,434	5,310	5,453	11	23	23	.8	1.3	1.1
Liquor stores revenue	2,765	2,759	2,753	12	12	12	.9	.6	.6
Insurance trust revenues <sup>2</sup>	39,301	60,950	67,907	174	259	285	13.4	14.4	14.3
Employee retirement	21,148	36,564	43,993	94	164	185	7.2	9.1	9.2
Unemployment compensation	13,468	16,671	17,598	60	71	74	4.6	3.9	3.7
Utility revenue	1,304	2,538	2,848	6	11	12	.4	.8	.8
<b>Expenditure and debt redemption</b>	<b>293,464</b>	<b>361,901</b>	<b>402,896</b>	<b>1,296</b>	<b>1,537</b>	<b>1,992</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Debt redemption	6,882	10,364	12,060	28	44	51	2.2	2.8	3.0
Expenditure <sup>3</sup>	287,812	351,537	390,828	1,241	1,493	1,941	97.8	97.1	97.0
General expenditures	228,223	309,775	345,133	1,010	1,315	1,449	86.6	85.6	85.7
Education	87,939	116,058	128,004	389	493	540	33.4	32.1	31.9
Public welfare	44,219	62,749	67,317	196	266	293	15.6	17.3	16.7
Highways	25,044	28,640	33,186	111	122	139	9.5	8.0	8.2
Health and hospitals	17,853	24,962	27,595	79	118	119	6.8	6.9	6.8
State hospitals	11,015	15,088	15,802	49	64	66	4.2	4.2	3.8
Other hospitals and health	6,840	9,914	11,793	30	42	50	2.6	2.7	2.9
Corrections	4,449	7,732	9,171	20	33	39	1.7	2.1	2.3
Natural resources	4,346	5,945	6,758	19	25	29	1.6	1.6	1.7
General control	3,232	4,654	5,291	14	20	22	1.2	1.3	1.3
Financial administration	3,031	4,517	5,019	13	19	21	1.2	1.2	1.2
Police protection	2,263	3,140	3,518	10	13	15	.8	.9	.9
Employment security	2,001	2,546	2,582	9	11	11	.8	.7	.8
Housing and community development	801	1,306	1,540	3	6	6	.2	.4	.4
Misc. and unallocable	33,242	44,811	54,611	147	201	229	12.6	13.1	13.8
Liquor stores expenditure	2,206	2,313	2,391	10	10	10	.8	.6	.6
Insurance trust expenditure <sup>2</sup>	24,961	34,832	37,940	111	147	159	9.5	9.6	9.4
Employee retirement	10,256	16,467	18,230	45	70	77	3.8	4.6	4.5
Unemployment compensation	12,006	13,967	14,928	53	59	63	4.6	3.9	3.7
Utility expenditure	2,401	4,617	5,384	11	20	23	.9	1.3	1.3
<b>By character and object:</b>									
Intergovernmental expenditure	84,504	106,373	121,571	374	480	511	32.1	29.9	30.2
Direct expenditure	173,307	243,164	269,257	767	1,032	1,131	65.8	67.2	66.8
Current operation	108,131	158,922	172,210	479	666	723	41.0	43.4	42.7
Capital outlay	23,325	25,486	30,857	103	108	129	8.9	7.0	7.9
Construction	11,111	19,507	23,877	47	83	100	7.5	5.4	5.9
Land and existing structures	1,345	1,863	1,833	6	8	8	.5	.5	.5
Equipment	2,243	4,098	4,847	10	17	21	.9	1.1	1.2
Assistance and subsidies	9,818	12,388	12,842	43	53	54	3.7	3.4	3.2
Interest on debt	7,052	13,738	15,806	31	58	66	2.7	3.8	3.9
Insurance benefits and repayments	24,961	34,832	37,940	111	147	159	9.5	9.6	9.4
<b>Debt outstanding, year-end</b>	<b>121,968</b>	<b>186,377</b>	<b>211,904</b>	<b>540</b>	<b>791</b>	<b>899</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Long-term	119,821	183,208	209,112	530	778	878	98.2	96.3	96.7
Full-faith and credit	49,364	57,349	60,432	219	243	254	40.6	30.8	28.5
Non-guaranteed	70,457	125,859	148,680	312	534	624	57.6	67.5	70.2
Short-term	2,137	3,169	2,792	9	13	12	1.8	1.7	1.3
Net long-term	79,810	101,681	110,348	353	432	464	65.4	54.8	52.1
Full-faith and credit only	39,357	46,976	47,894	174	199	201	32.3	25.2	22.9

<sup>1</sup> Based on estimated resident population as of July 1, except 1960 based on resident population enumerated as of April 1, 1960. <sup>2</sup> Includes other items not shown separately. <sup>3</sup> Intergovernmental and direct.Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC62(2)-4) and *State Government Finances*, series GF No. 3, annual.

## NO. 443. STATE GENERAL FUND RESOURCES AND EXPENDITURES: 1986 TO 1988

in millions of dollars, except percent. Fiscal year data; see text, section 9. General funds exclude special funds earmarked for other purposes, such as highway trust funds and federal funds; they support most on-going broad-based State services, and are available for appropriation to support any governmental activity. Minus sign ( - ) indicates deficit.

STATE	GENERAL FUND RESOURCES <sup>1</sup>			EXPENDITURES <sup>2</sup>			BALANCE <sup>3</sup>					
	1986	1987 <sup>4</sup>	1988 <sup>5</sup>	1986	1987 <sup>4</sup>	1988 <sup>5</sup>	Total			As percent of expenditures		
							1986	1987 <sup>4</sup>	1988 <sup>5</sup>	1986	1987 <sup>4</sup>	1988 <sup>5</sup>
<b>States</b>	<b>216,667</b>	<b>223,144</b>	<b>226,641</b>	<b>203,666</b>	<b>216,633</b>	<b>217,226</b>	<b>6,398</b>	<b>1,636</b>	<b>2,954</b>	<b>2.6</b>	<b>.8</b>	<b>1.6</b>
Alabama	2,778	2,538	(NA)	2,770	2,537	(NA)	8	1	(NA)	.3	-	(NA)
Alaska	2,563	1,506	1,937	2,769	2,361	1,865	-196	-875	52	-7.0	-36.7	2.6
Arizona	2,313	2,401	2,403	2,329	2,398	2,363	-16	5	19	-7	.2	.8
Arkansas	1,567	1,631	1,702	1,567	1,631	1,702	-	-	-	-	-	-
California	29,545	31,242	32,236	29,841	30,890	31,264	686	561	1,040	2.4	1.8	3.3
Colorado	1,097	2,163	2,513	1,867	1,971	2,140	4	130	323	.2	6.6	15.1
Connecticut	4,318	4,507	4,919	4,012	4,343	4,919	-	-	-	-	-	-
Delaware	1,070	1,067	1,108	929	939	1,001	141	126	106	15.2	13.6	10.6
District of Columbia	7,028	7,745	8,870	6,842	7,785	8,445	186	-	-	2.7	-	-
Florida	5,274	5,410	5,772	5,026	5,410	5,772	94	-	-	1.9	-	-
Georgia	1,739	1,837	1,843	1,602	1,725	1,830	137	112	113	8.6	6.5	6.2
Hawaii	562	609	663	561	609	663	1	-	-	.2	-	-
Idaho	11,062	11,452	12,496	10,014	10,398	11,403	268	219	219	2.9	2.1	1.9
Illinois	3,330	3,520	3,624	3,123	3,272	3,378	39	16	11	1.2	.5	.3
Indiana	2,152	2,181	2,444	2,144	2,175	2,435	-	-	-	-	-	-
Iowa	1,763	1,765	2,014	1,743	1,732	1,880	20	52	129	1.1	3.0	6.9
Kansas	2,863	3,117	3,344	2,656	2,955	3,293	209	137	1	7.9	4.6	(2)
Kentucky	4,111	3,971	(NA)	4,313	3,963	(NA)	202	8	(NA)	4.7	.2	(NA)
Louisiana	986	1,047	1,131	951	1,044	1,122	10	-	6	1.1	-	.5
Maine	4,213	4,544	4,825	4,160	4,452	4,916	53	42	4	1.3	.9	1
Maryland	6,715	7,172	7,666	6,163	6,829	7,366	333	39	-	5.4	.6	-
Massachusetts	6,263	6,311	6,495	5,970	6,260	6,457	153	31	39	2.6	.5	.6
Michigan	5,360	5,546	5,816	4,855	5,236	5,431	370	179	40	7.6	3.4	7
Minnesota	1,569	1,542	1,547	1,517	1,512	1,547	52	31	-	3.4	2.1	-
Mississippi	3,167	3,341	3,655	3,057	3,341	3,655	110	-	-	3.6	-	-
Missouri	377	400	416	367	362	402	16	27	13	4.4	7.1	3.2
Montana	847	866	868	830	875	862	16	10	26	2.2	-1.1	3.0
Nebraska	561	612	600	474	569	556	85	44	44	17.9	7.7	7.9
Nevada	502	535	551	469	484	526	32	26	24	6.8	5.4	4.6
New Hampshire	9,251	9,586	10,084	8,730	9,119	9,869	521	446	195	6.0	4.9	2.0
New Jersey	1,548	1,560	1,620	1,414	1,459	1,516	124	93	106	8.8	6.4	7.0
New Mexico	22,963	24,730	26,444	21,751	23,402	25,194	153	189	185	7	7	7
New York	5,291	5,528	6,821	4,972	5,350	5,841	319	178	180	6.4	3.3	3.2
North Carolina	640	557	542	525	556	548	109	1	-4	20.8	.2	-7
North Dakota	10,032	10,605	10,725	9,567	10,573	10,678	458	32	47	4.8	.3	.4
Ohio	2,048	1,883	1,768	2,040	1,841	1,681	-	15	87	-	.9	5.2
Oklahoma	1,794	1,840	1,831	1,604	1,737	1,720	191	203	112	11.9	11.7	6.5
Oregon	9,555	9,961	10,315	9,292	9,649	10,243	213	282	2	2.3	2.7	(2)
Rhode Island	1,105	1,174	1,225	1,048	1,117	1,193	52	45	19	5.0	4.0	1.6
South Carolina	2,570	2,671	2,829	2,582	2,671	2,804	15	-6	-	.6	.2	-
South Dakota	377	381	373	346	364	365	31	27	6	9.0	7.4	2.2
Tennessee	2,950	3,034	3,133	2,566	2,966	3,032	144	75	75	5.5	2.5	2.5
Texas	11,026	10,552	9,028	8,287	8,564	8,282	-231	1,030	-	-2.6	-12.0	-
Utah	1,272	1,256	1,372	1,277	1,264	1,372	2	-	-	.2	-	-
Vermont	368	442	464	369	427	457	3	11	7	.8	2.6	1.5
Virginia	4,227	4,766	4,942	4,021	4,766	4,937	206	-	5	5.1	-	1
Washington	4,521	4,834	5,291	4,520	4,726	5,261	1	107	29	-	2.3	.6
West Virginia	1,709	1,705	1,617	1,597	1,686	1,617	112	-	-	7.0	-	-
Wisconsin	5,165	5,156	5,354	4,872	5,054	5,299	237	102	55	4.9	2.0	1.0
Wyoming	530	434	313	424	402	304	106	-	35	25.0	-	11.5

represents zero. NA Not available.

from previous year. Estimates.

resources, less expenditures and transfers.

<sup>2</sup> Less than .05 percent.

<sup>3</sup> Governors' proposed budget.

<sup>4</sup> Includes funds budgeted, adjustments, and

<sup>5</sup> Does not include transfers (plus or minus).

National Governors' Association and National Association of State Budget Officers, Washington, DC, *Fiscal Survey of*  
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## No. 444. STATE GOVERNMENTS—REVENUE,

(in millions of dollars, except as indicated)

YEAR, DIVISION, AND STATE	Total revenue <sup>1</sup>	GENERAL REVENUE								DEBT OUT- STAND- ING
		Total		Per capita <sup>2</sup>		Intergovernmental revenue		Taxes	Charges and miscel- laneous	
		Amount	Rank	Total (dol.)	Rank	From Federal Government	From local govern- ments			Total
1970	86,939	77,766	(x)	364	(x)	12,252	966	47,962	9,645	42,008
1975	157,033	134,611	(x)	634	(x)	36,148	1,580	80,155	16,629	72,127
1980	276,962	233,682	(x)	1,034	(x)	61,892	2,434	137,075	32,190	121,958
1982	330,699	275,111	(x)	1,218	(x)	66,026	3,139	162,607	43,336	147,470
1983	367,861	290,480	(x)	1,246	(x)	66,985	3,742	171,440	46,312	167,290
1984	397,087	330,740	(x)	1,404	(x)	78,140	5,310	196,796	52,495	186,377
U.S., 1986	436,963	365,354	(x)	1,534	(x)	94,434	5,463	216,330	60,146	211,804
<b>New England:</b>										
Maine	2,137	1,846	41	1,697	20	564	4	1,006	274	1,225
New Hampshire	1,361	1,086	48	1,070	48	307	27	434	298	1,979
Vermont	1,109	984	49	1,640	10	302	5	466	219	687
Massachusetts	11,485	10,417	10	1,789	12	2,186	206	6,621	1,406	10,101
Rhode Island	2,129	1,660	40	1,921	9	456	22	662	519	2,814
Connecticut	6,299	5,996	21	1,796	11	1,066	2	3,496	1,132	6,368
<b>Middle Atlantic:</b>										
New York	46,762	37,432	2	2,106	7	9,161	2,921	20,702	4,649	32,366
New Jersey	15,806	13,246	6	1,751	13	2,671	124	7,719	2,732	13,366
Pennsylvania	20,337	16,662	4	1,406	26	4,061	77	10,162	2,372	7,289
<b>East North Central:</b>										
Ohio	21,242	14,776	7	1,375	31	3,276	136	6,652	2,712	6,204
Indiana	7,917	7,102	17	1,282	39	1,617	19	4,336	1,130	1,730
Illinois	17,573	15,377	5	1,333	36	3,770	66	9,226	2,314	9,787
Michigan	17,292	15,166	8	1,669	18	3,673	448	6,664	2,460	5,604
Wisconsin	9,740	8,166	13	1,714	16	1,627	70	5,066	1,122	4,473
<b>West North Central:</b>										
Minnesota	9,376	8,261	12	1,970	6	1,709	64	5,226	1,230	3,509
Iowa	4,667	4,004	31	1,366	29	962	46	2,907	696	1,326
Missouri	6,662	5,786	20	1,160	46	1,479	22	3,362	833	3,319
North Dakota	1,661	1,472	44	2,149	5	341	23	662	416	596
South Dakota	1,662	929	50	1,313	37	306	8	366	280	1,086
Nebraska	2,144	2,003	36	1,247	44	526	29	1,040	409	1,038
Kansas	3,714	3,142	34	1,262	40	726	14	1,916	486	319
<b>South Atlantic:</b>										
Delaware	1,662	1,542	43	2,479	3	236	3	616	467	1,632
Maryland	6,221	7,093	16	1,616	19	1,466	36	4,322	1,237	5,061
Virginia	8,030	7,667	14	1,347	33	1,536	94	4,466	1,567	3,317
West Virginia	3,672	2,664	36	1,631	23	744	5	1,666	360	1,666
North Carolina	9,879	8,266	11	1,326	36	1,933	106	5,196	1,061	2,167
South Carolina	6,626	4,546	27	1,366	32	1,066	26	2,732	729	3,409
Georgia	6,760	7,672	16	1,267	42	2,149	46	4,526	662	2,166
Florida	13,763	11,647	9	1,042	60	2,326	47	6,329	1,146	5,014
<b>East South Central:</b>										
Kentucky	6,176	5,366	24	1,446	27	1,461	10	3,013	923	3,633
Tennessee	6,142	5,361	26	1,124	46	1,612	36	2,996	706	1,913
Alabama	6,601	5,636	22	1,377	30	1,616	31	2,924	1,066	3,340
Mississippi	3,923	3,303	32	1,264	43	1,022	14	1,612	466	1,007
<b>West South Central:</b>										
Arkansas	3,342	2,626	36	1,240	46	614	4	1,746	362	666
Louisiana	6,166	6,961	19	1,563	22	1,573	12	3,866	1,620	6,066
Oklahoma	6,672	4,933	26	1,466	26	942	23	2,962	966	3,661
Texas	21,346	16,766	3	1,146	47	3,647	12	11,641	3,367	5,169
<b>Mountain:</b>										
Montana	1,736	1,366	46	1,660	16	422	12	641	314	746
Idaho	1,610	1,299	47	1,292	36	363	16	734	197	639
Wyoming	1,946	1,704	42	3,346	2	423	6	906	466	767
Colorado	5,296	4,133	29	1,279	41	967	10	2,264	662	1,660
New Mexico	3,624	3,166	33	2,166	4	627	37	1,439	1,167	1,277
Arizona	6,330	4,293	28	1,347	34	696	61	2,646	672	664
Utah	3,133	2,583	37	1,670	21	736	20	1,324	603	1,333
Nevada	1,906	1,366	46	1,463	26	269	9	641	160	1,106
<b>Pacific:</b>										
Washington	9,761	7,407	16	1,660	17	1,776	136	4,666	906	3,066
Oregon	6,337	4,076	30	1,616	24	1,007	60	1,863	1,040	6,606
California	67,694	46,047	1	1,747	14	11,221	206	26,662	5,666	16,067
Alaska	6,616	5,463	23	10,467	1	397	2	1,666	3,166	6,662
Hawaii	2,677	2,246	36	2,130	6	404	3	1,363	476	2,710

X Not applicable. <sup>1</sup> Includes liquor stores, utilities, and insurance trust activities, not shown separately. <sup>2</sup> 1970 and 1980 based on enumerated resident population as of April 1, 1970, and 1980 respectively. 1980 based on provisional 1980 estimate as of April 1; 1975, 1983, 1984, and 1986 based on estimated resident population as of July 1.

## DEBT, AND EXPENDITURE 1970 TO 1985, AND BY STATE: 1985

For fiscal year ending in year shown; see text, section 9)

DEBT OUT- STANDING— 1985		Total expendi- ture <sup>1</sup>	GENERAL EXPENDITURES								YEAR, DIVISION, AND STATE
Per capita <sup>2</sup>			Total <sup>2</sup>			Selected functions					
Total (dol.)	Rank		Amount	Per capita <sup>2</sup>		Educa- tion	Public welfare	High- ways	Health and hospi- tals	Natural re- sources	
			Total (dol.)	Rank							
807	(x)	66,055	138,303	383	(x)	30,865	13,206	13,483	5,356	2,223	1971
340	(x)	158,882	138,303	851	(x)	54,012	25,558	17,483	10,158	3,554	1975
540	(x)	257,812	228,223	1,010	(x)	87,939	44,220	25,044	17,855	4,348	1980
653	(x)	310,358	269,490	1,193	(x)	102,984	55,257	25,131	22,284	5,485	1982
717	(x)	333,917	284,939	1,221	(x)	107,703	57,544	26,431	23,805	5,834	1983
791	(x)	351,537	300,775	1,315	(x)	116,058	62,749	28,840	24,982	5,845	1984
899	(x)	399,828	345,135	1,449	(x)	129,804	67,517	33,186	27,585	5,798	U.S., 1985
1,052	18	1,948	1,705	1,455	22	547	438	185	91	50	N. Eng.:
1,983	7	1,195	1,012	1,014	50	201	181	163	111	15	ME.
1,858	12	1,034	954	1,783	10	314	172	120	58	30	NH.
1,736	11	11,028	10,171	1,747	11	2,548	1,400	469	977	71	VT.
2,307	9	2,010	1,787	1,848	6	432	432	117	111	12	MA.
5,429	6	5,429	4,871	1,535	19	1,280	953	443	479	39	RI.
1,819	8	40,108	33,358	1,579	7	9,449	9,621	1,514	3,256	106	CT.
1,787	10	14,080	11,858	1,569	16	3,472	2,128	952	785	106	N.Y.
618	38	18,087	15,088	1,273	37	4,841	3,927	1,770	1,224	235	N.J.
784	30	1,111	14,071	1,310	34	5,431	3,134	1,425	1,127	181	PA.
315	48	7,084	8,824	1,281	43	1,009	798	448	448	119	E. No. Cent.:
848	25	18,491	14,781	1,281	36	4,917	3,489	1,851	925	188	OH.
650	39	15,834	14,063	1,547	18	4,185	3,885	1,114	1,821	188	IN.
837	21	8,718	7,994	1,874	14	2,718	1,795	881	545	152	IL.
826	27	8,121	7,492	1,787	9	2,898	1,480	714	512	187	MI.
480	40	4,830	4,229	1,486	21	1,790	735	694	323	75	WI.
888	32	5,817	5,442	1,082	46	2,201	937	698	473	123	W. No. Cent.:
855	24	1,541	1,440	2,103	3	541	177	212	94	50	IA.
1,535	19	1,005	954	1,382	28	255	120	181	50	51	ND.
840	34	2,137	2,087	1,287	35	693	329	389	177	79	SD.
130	50	3,248	3,002	1,225	45	1,353	457	461	177	82	NE.
2,945	2	1,335	1,251	2,011	4	481	117	124	81	23	KS.
1,159	16	7,365	6,381	1,483	24	1,199	909	809	507	133	So. Atl.:
581	36	7,833	7,234	1,288	38	3,027	953	997	745	78	DE.
841	28	3,343	2,780	1,438	25	1,192	355	426	142	73	MD.
345	46	8,482	7,828	1,252	39	3,827	945	805	670	184	VA.
1,017	18	5,254	4,400	1,915	33	2,077	505	382	487	101	WV.
261	44	7,618	7,087	1,186	44	3,035	1,135	940	804	111	NC.
441	41	12,854	12,148	1,071	48	4,977	1,547	1,210	950	420	SC.
975	20	5,447	4,982	1,337	29	2,018	883	829	288	150	So. S. Cent.:
402	42	5,439	5,025	1,055	49	2,003	853	701	444	87	KY.
808	29	6,082	5,544	1,379	27	2,427	880	870	558	113	TN.
385	43	3,581	3,204	1,285	41	1,285	482	410	288	105	AL.
350	45	3,018	2,797	1,186	45	1,233	482	383	218	83	MS.
1,806	8	7,581	6,582	1,484	23	2,381	1,088	882	702	188	W. So. Cent.:
1,085	17	5,077	4,387	1,323	31	1,950	701	523	375	77	AR.
317	47	19,074	17,536	1,071	47	9,545	2,148	1,850	1,850	188	LA.
801	22	1,557	1,318	1,318	15	184	239	79	84	84	TX.
828	35	1,440	1,256	1,256	40	539	140	206	86	81	MT.
1,487	14	1,487	1,385	2,881	2	418	90	80	80	47	ID.
471	39	4,817	4,251	1,318	11	1,834	878	474	107	107	WY.
881	23	3,041	2,881	1,973	8	1,284	252	313	228	58	CO.
215	49	4,599	4,251	1,334	30	1,918	487	610	155	56	NBA.
811	28	2,818	2,584	1,558	17	1,174	310	378	188	188	AZ.
1,184	15	1,843	1,318	1,408	11	465	117	199	55	22	UT.
887	31	8,012	7,402	1,879	13	3,282	1,208	489	208	208	Pac.:
2,458	5	4,812	3,886	1,483	20	1,284	502	481	289	123	WA.
809	37	51,840	45,775	1,739	12	17,904	11,001	2,297	3,109	1,204	OR.
10,825	1	4,950	4,808	8,840	1	1,144	200	611	216	188	CA.
2,571	4	2,539	2,081	1,974	5	730	287	85	111	47	AK.
											HI.

<sup>1</sup> Includes amounts not shown separately.Source: U.S. Bureau of the Census, *State Government Finances in 1985*, series GF 85, No. 3, and *Census of Government: 1977 and 1982*, Vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*.

# NO. 445. STATE GOVERNMENT TAX COLLECTIONS AND EXCISE TAXES, 1970 TO 1986, AND BY STATE, 1986

[Tax collections for fiscal year; see text, section 2. Excise taxes as of September 1. Collections include local shares of State-imposed taxes. 1986 tax collections preliminary. For composition of regions, see fig. 1 inside front cover]

YEAR, REGION, DIVISION, AND STATE	STATE TAX COLLECTIONS (mil. dol.)								EXCISE TAXES		
	Total <sup>1</sup>	Sales and gross receipts				Individual income	Corporation net income	Motor vehicle and operators' licenses	General sales and gross receipts (percent) <sup>2</sup>	Cigarettes (cents per pack-age)	Gasoline (cents per gal.)
		Total <sup>1</sup>	General sales or gross receipts	Motor fuels	Alcoholic beverages and tobacco products						
1970 <sup>3</sup>	47,802	27,254	14,177	8,283	3,728	9,183	3,738	2,728	(X)	(X)	(X)
1975 <sup>3</sup>	80,158	43,346	24,780	8,256	5,249	18,819	8,642	3,941	(X)	(X)	(X)
1980 <sup>3</sup>	137,075	87,865	43,188	9,722	6,216	37,089	13,321	5,325	(X)	(X)	(X)
1985 <sup>3</sup>	215,320	105,325	69,829	13,352	7,279	63,844	17,637	7,659	(X)	(X)	(X)
1986 <sup>4</sup>	228,064	112,343	74,821	14,087	7,811	67,488	18,383	8,374	(X)	(X)	(X)
<b>Region:</b>											
Northeast	56,266	23,917	14,735	2,223	1,785	21,019	5,755	1,713	(X)	(X)	(X)
Midwest	53,143	26,486	17,868	3,823	1,847	17,172	4,351	2,375	(X)	(X)	(X)
South <sup>5</sup>	85,697	37,384	23,815	5,306	3,025	13,809	3,518	2,742	(X)	(X)	(X)
West	52,847	24,555	18,801	2,737	1,075	15,672	4,745	1,544	(X)	(X)	(X)
New England	14,478	6,888	4,119	778	840	4,728	1,336	488	(X)	(X)	(X)
Maine	1,101	600	383	91	89	337	52	49	5 F&D	28	14
New Hampshire	484	219	(X)	70	44	25	99	43	(X)	17	14
Vermont	500	253	99	38	27	161	31	32	4 F&D	17	13
Massachusetts	7,088	2,525	1,721	291	243	3,617	1,068	153	5 F&D	28	11
Rhode Island	688	470	291	47	37	287	88	28	8 F&D	25	13
Connecticut	3,837	2,491	1,625	242	120	301	617	155	7.5 F&D	28	17
Middle Atlantic	41,780	17,388	10,816	1,444	1,225	16,281	3,825	1,286	(X)	(X)	(X)
New York	22,747	7,479	4,761	489	583	11,582	1,922	483	4 F&D	21	8
New Jersey	8,389	4,586	2,814	338	273	2,053	955	333	8 F&D	25	8
Pennsylvania	10,653	5,314	3,241	636	369	2,656	983	439	8 F&D	18	12
East North Central	36,127	19,080	12,823	2,835	1,108	12,238	3,380	1,887	(X)	(X)	(X)
Ohio	9,082	4,938	3,188	864	253	2,777	478	345	4.5 F&D	14	12
Indiana	4,458	2,727	2,161	389	112	1,327	184	102	5 F&D	10.5	14
Illinois	9,801	5,289	3,385	619	284	2,645	880	588	4.5 F&D	20	15
Michigan	9,314	3,763	2,887	593	313	3,246	1,450	344	4 F&D	21	18
Wisconsin	5,482	2,333	1,543	380	187	2,239	406	188	4.5 F&D	25	17.5
West North Central	15,018	7,436	4,946	1,188	538	4,838	971	818	(X)	(X)	(X)
Minnesota	4,868	2,208	1,358	338	153	1,949	367	255	8 F&D	25	17
Iowa	2,459	1,180	789	231	87	884	138	181	4 F&D	28	18
Missouri	3,808	1,978	1,530	215	107	1,116	174	191	4.225 D	13	7
North Dakota	816	280	177	50	18	73	56	32	4 F&D	18	13
South Dakota	404	319	199	57	24	(X)	24	27	4 D	23	13
Nebraska	1,119	605	350	147	45	382	55	52	3.5 F&D	23	19
Kansas	1,912	887	581	152	104	582	155	80	4 D	24	11
South Atlantic <sup>6</sup>	34,788	18,841	12,188	2,811	1,478	10,038	2,275	1,228	(X)	(X)	(X)
Delaware	883	93	(X)	33	17	384	89	42	(X)	14	11
Maryland	4,670	2,100	1,180	308	85	1,890	250	108	5 F&D	13	13.5
District of Columbia <sup>7</sup>	1,717	527	361	24	18	445	151	18	6 F&D	13	18.5
Virginia	4,847	1,982	1,020	308	115	2,174	281	230	3 D	2.5	15
West Virginia	1,849	1,145	811	152	43	479	89	66	5 F&D	17	10.5
North Carolina	5,580	2,312	1,384	424	144	2,207	612	224	2 D	2	18.5
South Carolina	2,887	1,828	1,111	253	133	907	149	72	5 D	7	13
Georgia	4,917	2,339	1,840	383	207	1,945	416	85	3 D	12	7.5
Florida	9,120	7,082	5,027	739	721	(X)	487	405	5 F&D	24	4
East South Central	11,482	6,920	4,816	943	488	1,917	787	414	(X)	(X)	(X)
Kentucky	3,216	1,434	881	185	87	820	234	109	4.5 F&D	3	15
Tennessee	3,272	2,517	1,686	388	143	87	269	137	5.5 F&D	13	17
Alabama	2,987	1,881	1,038	254	188	757	157	108	4 D	18.5	11
Mississippi	1,917	1,308	1,031	125	90	273	87	65	6 D	18	8
West South Central	19,542	11,823	6,818	1,781	1,082	1,888	484	1,088	(X)	(X)	(X)
Arkansas	1,827	1,045	697	185	87	510	113	78	4 D	21	13.5
Louisiana	3,630	1,891	1,135	338	141	458	284	81	4 F&D	18	18
Oklahoma	2,980	1,217	658	206	127	888	107	247	3.25 D	18	18
Texas	11,125	7,670	4,328	1,011	727	(X)	886	886	4.125 F&D	20.5	18
Mountain	11,572	5,288	4,335	948	322	2,641	638	481	(X)	(X)	(X)
Montana	617	141	(X)	79	27	172	59	32	(X)	16	17
Idaho	745	375	250	78	19	258	43	33	5 D	8.1	14.5
Wyoming	795	238	184	37	8	(X)	38	38	3 D	8	6
Colorado	2,344	1,075	737	194	75	958	117	78	3 F&D	20	18
New Mexico	1,482	846	628	108	33	103	72	37	4.75	15	11
Arizona	3,198	1,988	1,458	257	92	702	171	173	5 F&D	15	18
Utah	1,365	740	558	118	30	452	86	35	4.584 D	12	14
Nevada	1,048	897	520	80	40	(X)	(X)	48	5.75 F&D	15	11.28
Pacific	41,375	18,275	14,288	1,788	753	13,031	4,317	1,983	(X)	(X)	(X)
Washington	5,219	3,887	3,113	384	204	(X)	(X)	141	6.5 F&D	31	18
Oregon	1,831	273	(X)	134	85	1,184	152	188	(X)	27	11
California	30,878	13,023	10,406	1,194	383	11,388	3,833	720	4.75 F&D	10	8
Alaska	1,858	87	(X)	23	21	1	178	18	(X)	16	8
Hawaii	1,491	945	747	44	50	488	44	15	4 D	(*)	11

X Not applicable. <sup>1</sup> Includes amounts for types of taxes not shown separately. <sup>2</sup> F=food exempt from sales tax; D=prescription drugs exempt from sales tax. <sup>3</sup> DC excluded from total. <sup>4</sup> Local sales tax rates are additional. <sup>5</sup> An additional tax is levied at the rate of 3 percent of the retail sales price, less the current 7.5 cents per gallon tax. <sup>6</sup> Tax is 40 percent of wholesale price. <sup>7</sup> Combined State and county rates are: Hawaii 16 cents; Honolulu 18.5 cents; Kauai 18 cents; and Maui 19 cents.

Source: U.S. Bureau of the Census, State Government Tax Collections, series GF, No. 1, annual.

## No. 443. STATE GOVERNMENT INDIVIDUAL INCOME TAXES: 1987

<sup>1</sup> August 1987. Only basic rates, brackets and exemptions are shown. Local income tax rates, even those mandated by the state, are not included. Taxable income rates and brackets listed below apply to single individuals and married taxpayers filing married separate returns (in States where this is permitted). Alaska, Florida, Nevada, South Dakota, Texas, Washington, and Wyoming have no State income tax.

TE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS			SIZE OF STANDARD DEDUCTION <sup>1</sup>			Federal income tax deductible <sup>2</sup>
		Lowest amount under	Highest amount over	Single	Married—joint return	Dependents	Percent	Single	Married—joint return	
	2.0-5.0	\$600	\$3,000	\$1,500	\$3,000	\$300	20	\$2,000	\$4,000	Yes
	2.0-6.0	1,155	6,630	1,665	3,992	1,186	19.4	986	1,986	Yes <sup>3</sup>
	1.0-7.0	2,808	25,000	720	740	720	10	1,000	1,000	No
	1.0-11.0	1,710	26,790	743	766	714	(x)	1,710	3,420	No
	5% of federal income tax liability									
	Very limited income tax <sup>4</sup>									
	1.0-8.8	1,000	40,000	1,000	2,000	1,000	10	1,000	1,000	Yes <sup>5</sup>
	2.0-11.0	1,000	25,000	750	1,800	750	(x)	1,000	1,000	No
	1.0-8.0	750	7,000	1,500	3,000	700	15	2,300	3,000	No
	2.25-10	1,000	20,000	1,800	3,900	1,900	(x)	1,000	1,700	No
	2.0-8.2	1,000	20,000	Same as federal <sup>11</sup>			(x)	(x)	(x)	No
	2.5	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
	3.4	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
	5-13.0	1,023	78,725	720	740	715	15	1,200	3,000	Yes
	2.0-8.0	2,000	25,000	1,000	2,000	1,000	16	2,400	2,800	Yes <sup>10</sup>
	2.0-8.0	3,000	8,000	720	740	720	(x)	650	650	Yes
	2.0-8.0	10,000	50,000	4,500	9,000	1,000	(14)	(14)	(14)	Yes
	1.0-10.0	2,000	25,000	1,000	2,000	1,000	16	2,800	3,100	No
	2.0-8.0	1,000	3,000	1,000	2,000	1,000	13	2,000	4,000	No
	5.0	Flat rate		2,230	4,400	1,000	(x)	(x)	(x)	No
	4.8	Flat rate		1,500	3,000	1,500	(x)	(x)	(x)	No
	1.0-9.9	310	16,800	73	148	73	10	2,500	2,500	Yes <sup>10</sup>
	3.0-8.0	6,000	10,000	8,000	9,500	1,500	5	2,300	3,400	No
	1.5-8.0	1,000	9,000	1,200	1,200	400	(x)	Same as federal <sup>11</sup>		Yes
	2.0-11.0	1,300	46,400	1,080	2,120	1,080	20	1,980	3,980	Yes
	2.0-5.9	1,800	27,000	1,100	2,200	1,100	(x)	2,630	3,740	No
	Very limited income tax <sup>14</sup>									
	2.0-3.5	20,000	50,000	1,000	2,000	1,000	(x)	(x)	(x)	No
	1.8-8.5	5,200	41,800	2,000	4,000	2,000	(x)	Same as federal <sup>11</sup>		No
	2.0-8.5	1,000	14,000	900	1,800	900	(x)	3,900	5,300	No
	3.0-7.0	2,800	10,000	1,100	2,200	800	10	550	(29)	No
	2.67-12	3,000	50,000	Same as federal <sup>11</sup>			(x)	(x)	(x)	Yes <sup>11</sup>
	7.51-8.9	5,000	100,000	850	1,300	850	(x)	(x)	(x)	No
	5-8.0	1,000	7,500	1,000	2,000	1,000	15	2,000	2,000	Yes <sup>12</sup>
	5.0-9.0	2,080	5,000	766	1,170	766	13	1,900	3,000	Yes <sup>10</sup>
	2.1	Flat rate		(x)	(x)	(x)	(x)	(x)	(x)	No
	23.46% of federal income tax liability									
	3.0-7.0	4,000	10,000	Same as federal <sup>11</sup>			(x)	(x)	(x)	No
	Very limited income tax <sup>14</sup>									
	2.75-7.75	750	3,750	750	1,500	750	15	2,000	2,000	Yes
	25.8% of federal income tax liability									
	2.0-5.75	3,000	14,000	700	1,400	700	15	2,000	4,000	No
	3.0-8.5	10,000	80,000	2,000	4,000	2,000	No deductions <sup>15</sup>			No
	5.0-7.8	7,500	30,000	720	740	720	(x)	5,800	7,200	No

Not applicable. <sup>1</sup> The lesser of either (a) the percentage indicated, multiplied by adjusted gross income or (b) the dollar listed. <sup>2</sup> A State provision that allows the taxpayer to deduct fully the Federal income tax payment reduces the effective tax rate for persons in the highest State and Federal tax brackets by approximately one-half the nominal tax rate—the State is of a lesser benefit to other taxpayers. <sup>3</sup> States in which one or more local governments levy a local income tax. Social Security (FICA) taxes are deducted from taxable income. <sup>4</sup> Indexed by an inflation factor. Brackets shown are for Oregon and Wisconsin are scheduled to begin indexing in 1987. 1987 inflation adjustment will be determined in the fall. <sup>5</sup> Limited to 48% of Federal tax liability or \$475, whichever is greater. <sup>6</sup> Tax credit. <sup>7</sup> There is an income tax on interest and dividend income only. The rate of this tax ranges from 1% of interest and dividend income for taxpayers with an AGI of \$0 to \$57,999 to 12% of such income of taxpayers with an AGI over \$100,000. Capital gains are taxed at 7% after an inflation of \$100 is applied. <sup>8</sup> Federal income tax deduction limited to \$300 (\$600 married). <sup>9</sup> A minimum standard deduction exists. In instances where the percentage standard deduction is less than the minimum, the minimum deduction amount is taken. <sup>10</sup> Personal exemptions on the 1987 return are \$1,900 each; standard deduction for single is \$2,540 and for filing joint returns, \$3,760. <sup>11</sup> Tax cannot reduce after-tax income of taxpayer to below \$5,000. <sup>12</sup> FICA taxes also State. <sup>13</sup> Personal exemption and standard deduction are combined. <sup>14</sup> All counties have a local income tax surcharge least 20% of State tax liability, most counties have a surcharge of 50%. <sup>15</sup> Taxpayers may choose between two tax rates whether to deduct Federal taxes or to use a lower rate. Figures shown here are lower rate option. <sup>16</sup> FICA taxes State when itemizing deductions. <sup>17</sup> There is a 5% tax on dividend and interest income (excluding income from savings deposits) in excess of \$1,200 (\$2,400 married). <sup>18</sup> No taxpayer is subject to tax if gross income is \$3,000 or less (\$1,500 if filing separately). <sup>19</sup> An additional exemption of \$1,100 is allowed the spouse with the smallest income. Joint returns allowed. <sup>20</sup> Taxpayers have the option of paying a tax of 14% of the taxpayers adjusted Federal income tax liability or the long form with a separate schedule; taxpayers using the long form may deduct Federal income tax paid; a 10% surtax is imposed in 1987. <sup>21</sup> These tax rates and brackets apply to single persons not deducting Federal income tax. For those deducting Federal income tax, rates range from 5% of the first \$1,000 to 17% on income over \$49,000. <sup>22</sup> Federal deduction limited to \$7,000 (\$3,500 married, filing separately). <sup>23</sup> Interest and dividends taxed at 8%. <sup>24</sup> Eliminated and deduction; no itemized deductions are permitted.

### NO. 447. GROSS REVENUE OF SELECTED STATES FROM PARIMUTUEL AND AMUSEMENT TAXES AND LOTTERIES, 1980 TO 1985, AND BY STATE, 1985

[For fiscal years; see text, section 9]

YEAR AND STATE	Gross revenue (mil. dol.)	Parimutuel taxes (mil. dol.)	Amusement taxes (mil. dol.) <sup>1</sup>	LOTTERY REVENUE		STATE	Gross revenue (mil. dol.)	Parimutuel taxes (mil. dol.)	Amusement taxes (mil. dol.) <sup>1</sup>	LOTTERY REVENUE	
				Total (mil. dol.) <sup>2</sup>	Per cent for prizes					Total (mil. dol.) <sup>2</sup>	Per cent for prizes
1980	3,153.7	731.5	234.1	2,188.1	52.4	MA	885.6	36.0	11.1	848.6	57.8
1981	3,724.5	751.8	259.8	2,713.1	52.4	MI	848.2	22.8	(x)	825.4	51.7
1982	4,588.3	730.5	309.8	3,548.0	52.2	NE	17.3	12.6	4.6	(x)	(x)
1983	5,859.3	729.3	366.0	4,764.0	52.1	NV	196.2	(x)	196.2	(x)	(x)
1984 <sup>3</sup>	7,390.1	739.4	383.7	6,237.0	52.4	NH	25.3	10.3	(x)	15.1	46.5
1985 <sup>4</sup>	9,243.8	710.4	411.8	8,121.6	52.1	NJ	1,041.6	8.9	180.6	874.3	51.6
AZ	64.7	11.4	.4	72.9	45.9	NM	2.8	2.5	1	(x)	(x)
AR	20.6	20.6	(x)	(x)	(x)	NY	1,270.3	100.7	1.1	1,168.5	48.0
CA	122.8	122.8	(x)	(x)	(x)	OH	819.1	11.8	(x)	807.4	52.7
CO	107.5	8.1	.5	98.9	57.7	OK	2.1	2.1	(x)	(x)	(x)
CT	404.2	84.0	14.1	328.0	54.5	OR	45.2	5.1	(x)	40.1	53.6
DE	35.8	.3	(x)	35.5	54.6	PA	1,221.2	12.9	.2	1,208.0	50.0
DC	105.5	(x)	(x)	105.5	54.9	RI	52.2	6.1	.1	46.0	56.3
FL	122.1	119.6	2.5	(x)	(x)	SC	8.5	0.0	8.5	(x)	(x)
IL	1,191.6	80.0	8.2	1,123.4	52.2	SD	2.2	2.2	(x)	(x)	(x)
KY	11.7	11.4	.3	(x)	(x)	VT	5.8	7	(x)	4.9	53.8
LA	25.4	25.2	.2	(x)	(x)	WA	185.8	7.0	(x)	158.8	55.9
ME	15.3	1.2	(x)	14.2	55.8	WV	11.0	11.0	(x)	(x)	(x)
MO	699.2	14.4	1.1	653.7	55.8						

X Not applicable. Z Less than \$50,000. <sup>1</sup> Represents nonlicense taxes. <sup>2</sup> Excludes commissions. <sup>3</sup> Includes States whose gross revenues were less than \$1,000,000 not shown separately. Excludes DC whose lottery began in 1984.

Source: U.S. Bureau of the Census, *State Government Finances in 1985*, series GF85, No. 3, and earlier issues.

### NO. 448. STATE GOVERNMENT REVENUE FROM SEVERANCE TAXES, BY STATE: 1983 TO 1986

[In millions of dollars. For fiscal years; see text, section 9. Severance taxes are taxes imposed distinctively on the removal of natural products, such as oil, gas, other minerals, timber, and fish; from land or water and measured by value and/or quantity of products removed or sold. See source for information on particular taxes (including changes in tax rates) and additional analytical detail. For composition of regions, see fig. 1, inside front cover]

REGION AND STATE	1983	1984	1985	1986	STATE	1983	1984	1985	1986
Total	7,486	7,398	7,211	6,129	Mississippi	114.8	103.0	92.8	72.9
Regions:					Missouri	(2)	(2)	(2)	(2)
Northeast	1	1	.1	.5	Montana	137.6	144.8	150.7	129.9
Midwest	370.4	486.4	483.7	333.0	Nebraska	5.2	4.5	4.6	4.0
South	4,467.2	4,336.7	4,244.9	3,319.5	Nevada	0.0	1	.1	(2)
West	2,547.7	2,441.0	2,502.5	2,472.4	New Hampshire	.1	.1	1	.5
Alabama	77.1	119.5	89.6	75.1	New Mexico	351.3	367.4	390.8	367.2
Alaska	1,494.0	1,383.0	1,369.3	1,432.9	North Carolina	1.2	1.3	1.5	1.4
Arkansas	28.4	27.1	28.0	22.2	North Dakota	184.5	189.6	178.3	147.9
California	28.7	17.5	18.1	19.2	Ohio	4.0	8.6	6.2	9.9
Colorado	35.9	30.0	30.4	22.6	Oklahoma	777.7	703.7	708.8	571.4
Florida	137.9	157.8	173.2	171.0	Oregon	49.7	29.2	31.8	32.4
Idaho	.8	1.2	7	5	South Dakota	5.7	8.9	4.5	5.5
Indiana	1.5	1.5	1.5	1.3	Tennessee	3.4	3.3	2.6	2.3
Iowa	2.3	117.0	111.9	102.1	Texas	2,254.7	2,218.6	2,175.3	1,552.1
Kansas	22.4	210.7	228.0	229.3	Utah	19.7	36.4	49.4	43.9
Kentucky	889.5	792.1	745.2	619.7	Virginia	1.3	1.4	1.8	1.8
Louisiana	81.4	73.3	75.7	52.8	Washington	41.1	31.1	36.2	37.9
Michigan	84.7	74.1	80.0	9.5	Wisconsin	1.0	.9	1.0	.9
Minnesota					Wyoming	369.9	366.3	404.0	367.3

X Not applicable. Z Less than \$50,000.

Source: U.S. Bureau of the Census, *State Government Tax Collections in 1986*, series GF86, No. 1, and earlier issues.

### NO. 449. MINIMUM DRINKING AGES—STATES: 1970 TO 1987

[As of June. Includes District of Columbia]

BEVERAGE AND AGE	NUMBER OF STATES						BEVERAGE AND AGE	NUMBER OF STATES					
	1970	1975	1980	1985	1986	1987		1970	1975	1980	1985	1986	1987
Distilled spirits:							Fortified wine: <sup>1</sup>						
18 years	3	18	6	3	2	-	18 years	5	20	7	3	2	-
19 years	1	7	13	11	7	1	19 years	1	7	14	11	7	1
20 years	4	1	5	1	1	-	20 years	4	1	5	2	2	-
21 years	43	24	25	36	41	50	21 years	41	23	25	35	40	50
Table wine:							Beer: <sup>2</sup>						
18 years	7	24	11	5	4	-	18 years	10	24	13	4	4	-
19 years	1	7	14	12	6	1	19 years	-	7	13	14	9	8
20 years	4	1	5	2	2	-	20 years	4	1	5	2	2	-
21 years	39	19	21	32	37	50	21 years	37	18	20	31	36	49

- Represents zero. <sup>1</sup> A wine having an alcohol content of 14% to 21%.

<sup>2</sup> Excludes 3.2% beer. Purchase of over 3.2% beer illegal in West Virginia in 1975.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.



## 480. STATE GOVERNMENT INTERGOVERNMENTAL EXPENDITURES, 1980 TO 1985, AND BY STATE, 1985

[For fiscal year, see text, section 8]

DIVISION AND STATE	Total (mil. dol.)	Per capita <sup>1</sup> (dol.)	Rank	As percent of general expenditure	DIVISION AND STATE	Total (mil. dol.)	Per capita <sup>1</sup> (dol.)	Rank	As percent of general expenditure
So. Atl.—Cont.					So. Atl.—Cont.				
VA	84,504	374	(x)	37.0	VA	2,162	379	32	29.9
WV	96,743	427	(x)	36.6	WV	798	413	24	28.8
NC	100,887	432	(x)	35.4	NC	3,024	483	17	36.8
SC	108,373	480	(x)	35.0	SC	1,373	410	25	31.2
GA	121,871	511	(x)	35.2	GA	2,254	377	33	31.8
FL	377	334	44	22.1	FL	5,211	456	19	42.8
E. So. Cent.—KY	168	166	49	18.3	E. So. Cent.—KY	1,297	348	40	28.0
TN	148	278	46	15.5	TN	1,276	288	47	25.4
AL	2,976	511	13	29.3	AL	1,493	371	36	26.9
MS	266	308	48	18.7	MS	1,147	436	22	35.8
W. So. Cent.—AR	1,067	336	43	21.8	W. So. Cent.—AR	901	382	31	32.2
LA	13,397	753	4	40.2	LA	1,590	355	39	24.2
OK	4,427	586	8	37.3	OK	1,332	404	27	30.5
TX	4,971	419	23	32.9	TX	6,111	373	35	34.8
MT	5,115	476	18	35.3	MT	308	372	37	23.3
ID	2,475	450	20	37.4	ID	360	386	29	31.1
WY	4,321	375	35	29.2	WY	560	1,080	2	40.3
CO	4,429	487	15	31.5	CO	1,563	484	18	36.8
NM	3,128	656	7	39.1	NM	1,086	750	5	36.0
AZ	2,926	696	6	38.4	AZ	1,793	663	10	42.2
UT	1,412	490	14	33.4	UT	729	443	21	26.4
NV	1,704	359	42	31.3	NV	503	538	12	38.2
Pac.—WA	384	576	9	27.4	Pac.—WA	2,442	554	11	33.0
OR	188	265	48	19.5	OR	1,100	28	26	27.8
CA	547	941	41	28.5	CA	22,177	841	3	48.4
AK	926	377	34	30.8	AK	1,574	3,021	1	34.2
HI	239	384	30	19.1	HI	25	23	50	1.2
	1,732		28	27.1					

<sup>1</sup> applicable. <sup>1</sup> Based on estimated resident population as of July 1U.S. Bureau of the Census, *Census of Governments: 1982*, Vol. 6, No. 4, *Historical Statistics on Governmental Finances* (GC82(6)-4), and *State Governmental Finances*, series GF No. 3, annual.

## 481. LOCAL GOVERNMENT GENERAL REVENUE, BY SOURCE, 1980 TO 1985, AND BY STATE, 1985

Units of dollars, for fiscal year, see text, section 9. Except for 1982, data are estimates based on sample and subject to sampling variability; see source and Appendix H]

DIVISION AND STATE	Total <sup>1</sup>	INTERGOVERNMENTAL FROM—	FROM OWN SOURCES	DIVISION AND STATE	Total <sup>1</sup>	INTERGOVERNMENTAL FROM—	FROM OWN SOURCES
		Federal	State			Federal	State
So. Atl.—Cont.				So. Atl.—Cont.			
MD	232,453	21,136	61,289	130,027	88,387	5,953	349
DC	281,045	21,256	95,363	164,426	103,783	3,238	(x)
VA	298,394	21,021	98,378	178,994	112,908	5,588	373
WV	323,116	20,795	105,820	196,504	123,389	1,875	107
NC	354,118	21,784	116,399	216,014	134,479	6,647	399
SC	16,888	1,228	4,886	9,754	7,719	3,055	199
GA	1,153	87	349	717	540	8,030	586
FL	995	77	115	803	660	16,998	1,479
E. So. Cent.—KY	467	31	115	340	286	14,863	927
TN	8,188	771	2,997	4,520	3,366	3,197	192
AL	998	74	267	658	569	4,747	321
MS	3,843	187	940	2,716	2,287	3,980	254
W. So. Cent.—AR	71,376	3,788	22,091	44,431	32,863	2,758	181
LA	44,528	2,297	14,472	27,760	20,787	34,477	1,866
OK	11,527	442	3,948	7,137	5,504	2,123	130
TX	15,218	1,045	9,533	8,252	6,252	5,697	304
MT	58,614	3,460	18,943	36,530	24,142	3,744	209
ID	14,400	926	4,910	8,662	5,644	22,913	1,043
WY	6,099	324	2,526	3,849	2,157	1,936	1,030
CO	16,147	1,200	4,069	10,888	7,779	1,183	102
NM	13,060	697	3,916	9,077	5,935	1,024	66
AZ	7,480	302	3,133	4,045	2,826	1,433	47
UT	34,366	1,343	7,432	15,898	8,841	5,392	211
NV	7,875	380	3,019	4,477	2,179	2,041	160
Pac.—WA	3,965	192	1,341	2,452	1,631	4,970	244
OR	5,120	378	1,291	3,451	2,132	2,367	129
CA	840	66	340	432	237	1,576	70
AK	772	68	189	546	383	62,136	3,401
HI	2,183	113	446	1,634	970	6,603	471
	3,570	144	826	2,600	1,409	4,107	400
	85,889	4,679	16,821	32,630	18,488	48,603	2,305
	648	57	277	312	153	2,206	129
						616	86

<sup>1</sup> applicable. <sup>1</sup> Excludes duplicative intergovernmental transactions.U.S. Bureau of the Census, *Census of Governments: 1982*, Vol. 6, No. 4, *Historical Statistics on Governmental Finances* (GC82(6)-4), and *Governmental Finances*, series GF No. 5, annual.

No. 452. NUMBER OF LOCAL GOVERNMENTS, BY TYPE—STATES: 1982 AND 1987

[Governments in existence in January. Limited to governments actually in existence. Excludes, therefore, a few counties and numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population and other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1982			1987								
	All local govern- mental units <sup>1</sup>	School district govern- ments	Special district govern- ments	All local govern- mental units	County govern- ments	Municipal govern- ments	Township govern- ments <sup>2</sup>	School district govern- ments	Special district governments			
									Total <sup>1</sup>	Natural re- sources	Fire pro- tection	Housing and com- munity devel- opment
U.S. ....	81,788	14,851	28,078	83,188	3,042	19,205	16,891	14,741	29,487	6,489	5,055	3,457
AL.....	1,018	127	390	1,053	67	436	-	129	421	68	4	156
AK.....	156	-	8	172	9	149	-	-	14	-	-	13
AZ.....	452	232	130	578	15	81	-	227	253	82	116	-
AR.....	1,424	372	505	1,401	75	483	-	339	504	244	33	130
CA.....	4,102	1,111	2,506	4,330	57	443	-	1,006	2,732	523	367	93
CO.....	1,544	185	1,030	1,591	62	268	-	181	1,082	187	213	56
CT.....	479	16	281	478	-	31	149	16	280	-	55	91
DE.....	217	19	139	281	3	57	-	19	202	197	-	3
DC.....	2	-	1	2	-	1	-	-	1	-	-	-
FL.....	889	95	417	995	65	391	-	95	414	133	48	98
GA.....	1,258	187	390	1,285	156	532	-	186	409	28	6	207
HI.....	18	-	14	18	3	1	-	-	14	14	-	-
ID.....	1,018	117	659	1,064	44	198	-	118	704	168	119	13
IL.....	6,487	1,049	2,802	6,626	102	1,279	1,434	1,029	2,782	913	800	114
IN.....	2,865	305	897	2,800	91	567	1,006	304	833	129	-	45
IA.....	1,871	456	361	1,876	99	955	-	451	371	233	69	15
KS.....	3,795	326	1,370	3,803	105	627	1,300	324	1,387	269	-	101
KY.....	1,241	180	517	1,300	119	437	-	178	588	125	65	24
LA.....	468	68	39	452	61	301	-	65	24	2	-	-
ME.....	806	98	195	799	16	22	471	68	202	13	-	28
MD.....	439	-	264	396	23	155	-	-	220	162	-	20
MA.....	798	81	354	835	12	39	312	81	391	16	20	249
MI.....	2,643	509	184	2,699	83	534	1,242	580	250	85	1	-
MN.....	3,529	436	356	3,555	67	855	1,798	441	374	120	-	169
MS.....	658	169	315	654	82	293	-	172	307	225	-	59
MO.....	3,117	557	1,195	3,145	114	930	325	561	1,215	154	144	172
MT.....	1,029	399	450	1,248	54	128	-	552	514	117	128	18
NE.....	3,324	1,059	1,157	3,158	93	534	454	988	1,119	111	428	134
NV.....	184	17	134	197	16	18	-	17	148	29	15	14
NH.....	517	160	113	523	10	13	221	160	119	9	14	22
NJ.....	1,591	548	454	1,625	21	320	247	551	488	16	172	84
NM.....	319	89	101	334	33	98	-	91	112	73	-	7
NY.....	3,249	726	923	3,305	57	621	929	722	977	3	693	-
NC.....	905	-	321	915	100	495	-	-	320	141	1	107
ND.....	2,795	325	692	2,764	53	368	1,355	309	701	83	278	33
OH.....	3,393	869	377	3,378	86	940	1,318	821	409	100	30	85
OK.....	1,702	638	406	1,800	77	591	-	634	498	109	17	118
OR.....	1,454	352	825	1,501	35	240	-	351	874	213	270	23
PA.....	5,198	514	2,050	4,955	86	1,022	1,548	517	1,802	8	1	67
RI.....	122	3	80	125	-	8	31	3	83	3	37	26
SC.....	645	92	242	708	46	269	-	92	299	48	86	43
SD.....	1,767	198	199	1,761	64	309	984	193	211	102	31	37
TN.....	913	15	469	904	94	334	-	14	462	123	-	94
TX.....	4,180	1,124	1,681	4,412	254	1,156	-	1,111	1,691	524	70	367
UT.....	504	40	211	529	29	225	-	40	235	71	13	11
VT.....	684	273	63	673	14	55	237	272	95	21	19	9
VA.....	407	-	83	430	95	228	-	-	107	43	-	-
WA.....	1,734	300	1,130	1,778	39	286	-	297	1,176	161	410	46
WV.....	633	55	292	830	55	230	-	55	290	17	-	32
WI.....	2,592	409	263	2,714	72	580	1,268	434	360	142	-	202
WY.....	395	56	225	424	23	96	-	56	249	113	44	-

- Represents zero. <sup>1</sup> Includes other types of governments not shown separately. <sup>2</sup> Includes "town" governments in the 6 New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1982*, vol. 1, No. 1, *Governmental Organization*; and *Census of Governments, 1987, Government Units in 1987*, Preliminary Report No. 1.

### No. 453. COUNTY, MUNICIPAL, AND TOWNSHIP GOVERNMENTS, 1957, AND THEIR POPULATION, 1956, BY POPULATION-SIZE GROUP

[Number of governments as of January 1957; population estimated as of July 1956. Township governments include "towns" in the 5 New England States, Minnesota, New York, and Wisconsin.]

POPULATION-SIZE GROUP	COUNTY GOVERNMENTS			MUNICIPAL GOVERNMENTS			TOWNSHIP GOVERNMENTS		
	Number, 1957	Population, 1956		Number, 1957	Population, 1956		Number, 1957	Population, 1956	
		Number (1,000)	Per cent		Number (1,000)	Per cent		Number (1,000)	Per cent
Total.....	3,942	217,357	100.0	15,295	149,895	100.0	15,551	52,555	100.0
250,000 or more.....	157	113,154	52.1	51	44,059	29.4	4	1,744	3.4
100,000-249,999.....	231	35,559	16.4	122	17,862	11.9	29	4,015	7.7
50,000-99,999.....	357	27,279	12.6	295	19,522	13.0	74	4,395	8.3
25,000-49,999.....	519	21,907	10.0	552	19,413	13.0	239	7,332	15.0
10,000-24,999.....	943	15,580	7.2	1,308	20,425	13.6	759	10,899	20.8
Less than 10,000.....	595	4,007	1.8	15,572	25,594	18.1	15,545	22,597	43.4

Source: U.S. Bureau of the Census, *Census of Governments: 1957, Vol. 1, No. 1, Governmental Organization*, forthcoming.

### No. 454. COUNTY GOVERNMENTS—SUMMARY OF FINANCES, 1950 TO 1955, AND PER CAPITA, BY POPULATION-SIZE GROUP, 1955

[Covers fiscal years ending between July 1 of preceding year and June 30 of year stated. Represents all counties and their dependent agencies (including dependent school systems where applicable). Per capita based on estimated population as of July 1954.]

ITEM	ALL COUNTIES (mil. dol.) <sup>1</sup>					PER CAPITA (dollars), 1955					
	1950	1952	1953	1954	1955	All counties		Counties with 1954 population (1,000) of—			
						Total (3,041) <sup>2</sup>	Per cent distribution	Less than 100 <sup>3</sup> (2,051) <sup>2</sup>	100-199.9 (164) <sup>2</sup>	200-299.9 (77) <sup>2</sup>	300 or more (129) <sup>2</sup>
General revenue.....	54,573	65,645	75,577	77,182	85,500	451.57	100.0	385.80	338.42	347.09	439.09
Intergovernmental revenue <sup>4</sup> .....	24,746	28,002	27,773	29,779	32,514	153.22	38.1	144.83	124.52	129.20	171.02
From State government.....	18,969	22,731	22,758	24,890	26,716	125.51	31.2	114.33	105.15	106.10	142.08
From Federal government.....	4,948	4,315	4,048	4,047	4,708	22.12	5.5	29.81	15.46	17.64	21.41
General revenue sharing.....	1,746	1,720	1,736	1,723	1,749	8.22	2.0	8.90	7.10	6.80	7.81
Tax revenue <sup>4</sup> .....	16,813	22,970	25,218	27,901	30,898	145.18	36.1	125.45	124.60	117.15	169.27
Property.....	14,300	17,744	19,509	21,343	23,193	105.96	27.1	95.23	93.56	87.50	126.40
Charges and miscellaneous.....	11,014	15,662	17,567	19,502	21,988	103.30	25.7	115.52	69.30	101.74	98.71
General expenditure.....	54,291	64,576	69,133	74,247	80,946	386.29	100.0	354.21	327.60	336.99	429.19
Capital outlay.....	5,506	6,391	6,562	6,912	7,603	35.72	9.4	33.69	33.68	29.33	39.17
Other.....	47,785	58,185	62,571	67,335	73,343	344.57	90.6	320.52	293.92	307.56	389.02
Public welfare.....	8,591	10,339	10,442	11,276	12,237	57.49	15.1	31.09	42.64	65.14	78.04
Education.....	8,412	9,596	10,083	10,744	11,883	54.89	14.4	71.74	67.09	34.06	44.08
Highways.....	5,227	5,813	6,142	6,480	7,008	32.92	8.7	53.48	29.46	25.08	21.09
Hospitals.....	5,975	7,577	8,101	8,847	9,005	42.30	11.2	48.93	21.54	37.77	45.57
General control.....	3,374	4,231	4,826	5,119	5,586	26.15	6.9	21.80	22.28	23.91	30.55
Police protection.....	2,851	3,489	3,735	4,015	4,392	20.63	5.4	17.95	19.17	16.42	23.85
Financial administration.....	1,521	1,679	2,015	2,191	2,410	11.32	3.0	11.76	10.37	10.20	11.47
General public buildings.....	1,072	1,145	1,237	1,347	1,489	7.00	1.8	6.92	6.90	5.02	6.87
Health.....	2,808	3,735	4,098	4,341	4,794	22.52	5.9	19.64	22.56	23.64	24.29
Correction.....	1,759	2,305	2,766	3,118	3,466	16.26	4.3	(*)	(*)	(*)	(*)
Natural resources.....	687	866	789	854	1,033	4.85	1.3	4.21	2.89	3.29	6.09
Parks and recreation.....	1,094	1,242	1,351	1,390	1,506	7.08	1.9	3.28	4.93	5.79	10.48
Interest on general debt.....	1,542	2,456	3,235	4,004	4,852	21.85	5.7	19.21	17.95	18.54	25.30
Other and unallocable.....	9,570	10,103	10,309	10,741	11,709	55.01	14.5	48.23	59.87	64.96	92.99
Debt outstanding, end of year.....	32,993	44,571	55,277	63,981	72,290	339.47	100.0	297.29	295.89	296.69	399.89
Long-term.....	31,543	42,080	52,304	60,442	69,192	325.06	95.8	292.53	290.09	271.97	365.41
Short-term.....	1,450	2,581	2,973	2,836	3,098	14.41	4.2	4.76	5.80	14.72	23.26

<sup>1</sup> Except for 1952, data for counties under 100,000 population are estimates subject to sampling variation; see Appendix III and source. <sup>2</sup> Figures in parentheses represent number of counties in each size group. <sup>3</sup> Estimated. <sup>4</sup> Includes other revenues not shown separately. <sup>5</sup> Included in other and unallocable.

Source: U.S. Bureau of the Census, *County Government Finances*, series GF, No. 8, annual.

## NO. 455. CITY GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1965

[For fiscal years ending in year shown; see text, section 9. Data revised since originally published and may not agree, therefore, with table 456. Represents all municipalities and their dependent agencies (including dependent school systems where applicable); excludes other local governments overlying city areas. Includes sample-based estimates for cities of less than 50,000; thus subject to sampling variation. See Appendix III and source.]

ITEM	TOTAL (mil. dol.)			PER CAPITA <sup>1</sup> (dol.)			PERCENT DISTRIBUTION		
	1960	1964	1965	1960	1964	1965	1960	1964	1965
<b>Revenue</b>	<b>84,862</b>	<b>134,376</b>	<b>147,672</b>	<b>671</b>	<b>991</b>	<b>1,007</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
General revenue	76,056	104,696	114,649	539	725	781	80.2	77.9	77.6
Intergovernmental revenue	28,270	32,899	35,859	200	226	244	29.6	24.5	24.3
From State governments only	15,939	20,532	23,103	113	142	157	16.6	15.3	15.6
Taxes	31,256	43,719	47,647	222	303	325	32.9	32.6	32.3
Property	16,659	22,061	23,459	119	153	160	17.6	16.4	15.9
Percent of total taxes	53.9	50.5	49.2	(x)	(x)	(x)	(x)	(x)	(x)
Sales and gross receipts	8,206	12,460	13,677	58	86	95	8.7	9.3	9.4
General	5,066	7,637	8,569	36	53	58	5.4	5.7	5.8
Selective	3,112	4,824	5,307	22	33	36	3.3	3.6	3.6
Income, licenses and other	6,169	9,198	10,312	44	64	70	6.6	6.6	7.0
Charges and miscellaneous	16,530	28,081	31,142	117	195	212	17.4	20.9	21.1
Current charges only	9,675	15,355	16,514	70	106	113	10.4	11.4	11.2
Utility and liquor store revenue	15,719	24,330	26,471	111	169	180	18.6	18.1	17.9
Water system	4,969	7,508	8,504	35	52	58	5.3	5.6	5.8
Electric power system	8,007	12,451	13,363	57	86	91	8.4	9.3	9.0
Gas supply system	1,444	2,754	2,796	10	19	19	1.5	2.0	1.9
Transit system	1,032	1,362	1,546	7	9	11	1.1	1.0	1.0
Liquor stores	247	256	260	2	2	2	.3	.2	.2
Insurance trust revenue	3,088	5,346	6,652	22	37	45	3.3	4.0	4.4
<b>Expenditure</b>	<b>83,896</b>	<b>128,672</b>	<b>140,000</b>	<b>664</b>	<b>992</b>	<b>954</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
General expenditure	72,433	86,964	105,652	513	672	720	77.3	75.4	75.5
Police protection	6,200	11,642	12,574	58	81	86	8.6	9.0	9.0
Fire protection	4,535	6,291	6,798	32	44	46	4.8	4.9	4.9
Highways	5,977	7,637	8,709	42	54	59	6.4	6.1	6.2
Sewerage and other sanitation	7,607	10,541	11,446	56	73	78	8.4	8.2	8.2
Public welfare	3,601	5,311	5,762	27	37	39	4.1	4.1	4.1
Education	9,284	10,542	11,433	66	73	78	9.9	8.2	8.2
Libraries	863	1,177	1,304	6	8	9	.9	.9	.9
Health and hospitals	4,457	6,262	6,575	32	43	45	4.8	4.8	4.7
Parks and recreation	3,433	4,586	4,993	24	32	34	3.7	3.6	3.6
Housing and community development	3,458	4,488	5,105	25	31	35	3.7	3.5	3.6
Airports	1,100	1,540	1,694	8	11	12	1.2	1.2	1.2
Financial administration	1,843	2,484	2,703	13	17	18	2.0	1.9	1.9
General control	2,015	3,067	3,401	14	21	23	2.2	2.4	2.4
General public buildings	1,080	1,422	1,483	8	10	10	1.2	1.1	1.1
Interest on general debt	3,054	6,141	6,659	22	43	47	3.3	4.8	4.9
Other and unallocable	11,365	13,612	14,814	81	94	101	12.2	10.6	10.6
Utility and liquor store expenditure	18,274	27,097	29,534	130	188	201	19.5	21.1	21.1
Water system	5,633	8,485	9,601	42	59	65	6.3	6.6	6.9
Electric power system	8,596	12,421	13,566	61	86	93	9.2	9.7	9.7
Gas supply system	1,334	2,625	2,724	9	18	19	1.4	2.0	1.9
Transit system	2,189	3,332	3,361	16	23	23	2.3	2.6	2.4
Liquor stores	222	233	240	2	2	2	.2	.2	.2
Insurance trust expenditure	2,893	4,811	4,814	21	32	33	3.2	3.6	3.4
By character and object:									
Direct expenditure	91,682	125,690	136,601	650	871	891	97.9	97.7	97.6
Current operation	66,687	92,215	99,301	473	639	677	71.2	71.7	70.9
Capital outlay	16,285	18,811	21,374	115	130	146	17.4	14.6	15.3
Construction	13,341	14,756	16,638	95	102	113	14.2	11.5	11.9
Land and existing structures <sup>2</sup>	2,944	4,056	4,736	21	28	32	3.1	3.2	3.4
Assistance payments	1,546	1,955	2,060	11	14	14	1.6	1.5	1.5
Interest on debt	4,162	8,097	9,052	30	58	62	4.6	6.3	6.5
Insurance benefits, repayments	2,992	4,611	4,814	21	32	33	3.2	3.6	3.4
Intergovernmental expenditure	2,007	2,962	3,399	14	21	23	2.1	2.3	2.4
<b>Total salaries and wages <sup>3</sup></b>	<b>34,700</b>	<b>45,260</b>	<b>48,050</b>	<b>246</b>	<b>314</b>	<b>328</b>	<b>37.0</b>	<b>35.2</b>	<b>34.3</b>
<b>Debt outstanding, year end</b>	<b>86,019</b>	<b>124,370</b>	<b>141,020</b>	<b>610</b>	<b>966</b>	<b>961</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Long-term	82,346	119,873	135,793	584	829	826	95.7	95.8	96.3
Full faith and credit	39,570	43,141	46,253	280	299	315	46.0	34.5	32.9
Nonguaranteed	42,776	76,732	89,540	303	530	510	49.7	61.2	63.4
Short-term	3,673	5,296	5,227	26	37	35	4.3	4.2	3.7
Net long-term debt outstanding	72,526	109,949	124,398	514	762	848	84.3	88.0	88.2
Long-term debt issued	12,582	18,306	25,663	89	127	175	(x)	(x)	(x)
Long-term debt retired	5,541	9,321	11,397	39	65	79	(x)	(x)	(x)

X Not applicable <sup>1</sup> 1960 based on total population enumerated as of April 1, 1960; 1964 and 1965 based on estimated population as of July 1, 1962 and 1964 respectively <sup>2</sup> Includes equipment <sup>3</sup> Included in items shown above.

Source: U.S. Bureau of the Census, City Government Finances, series GF No. 4, annual.

# 10. 486. CITY GOVERNMENTS—TOTAL AND PER CAPITA AMOUNTS FOR SELECTED ITEMS FOR LARGEST CITIES: 1985

and year closed in the 12 months ending June 30, 1986. Cities ranked by size of population estimated as of July 1, 1984, at Honolulu and Baton Rouge ranked by county population. Data reflect inclusion of fiscal activity of dependent school districts, where applicable. Inter-city comparisons should be made with caution due to variations in responsibilities among urban areas; for details see text, section 9 and source.]

RANKED BY POPULATION SIZE, 1984	GENERAL REVENUE		INTERGOVERN- MENTAL REVENUE		TAXES		GROSS DEBT OUTSTANDING		GENERAL EXPENDITURE	
	Total (mil. dol.)	Per cap- ita <sup>1</sup> (dol.)	Total (mil. dol.)	Per cap- ita <sup>1</sup> (dol.)	Total (mil. dol.)	Per cap- ita <sup>1</sup> (dol.)	Total (mil. dol.)	Per cap- ita <sup>1</sup> (dol.)	Total (mil. dol.)	Per cap- ita <sup>1</sup> (dol.)
NY, NY <sup>2</sup>	23,048	3,217	8,221	1,201	10,894	1,484	12,837	1,806	20,580	2,874
San Jose, CA	2,334	754	458	148	1,155	373	3,671	1,185	1,940	627
Arlington, TX	2,186	724	847	216	1,180	388	1,901	635	1,922	608
San Antonio, TX	1,175	688	113	88	588	388	2,338	1,371	1,024	600
Phoenix, AZ	1,983	1,204	467	284	1,141	688	2,381	1,446	1,838	1,117
Milwaukee, WI	1,383	1,279	882	628	485	445	838	889	1,145	1,051
Texas, TX	670	688	108	111	378	388	800	824	585	601
San Diego, CA	628	652	147	153	212	220	1,088	1,132	504	524
San Jose, CA	680	608	258	300	187	231	1,312	1,537	688	784
San Antonio, TX	382	485	54	75	133	157	2,258	2,680	407	483
San Jose, CA	450	558	81	113	279	347	234	291	381	473
San Jose, CA	1,335	1,748	894	908	488	600	1,037	1,358	1,178	1,543
San Jose, CA	1,747	2,451	845	904	584	791	1,388	1,848	1,353	1,808
San Jose, CA	640	788	187	233	198	279	432	608	511	720
San Jose, CA	458	888	84	123	214	311	511	744	418	608
San Jose, CA	843	881	384	582	140	216	674	1,040	580	884
San Jose, CA	2,877	4,820	1,022	1,842	1,574	2,528	2,381	3,838	2,835	4,551
San Jose, WI	471	758	229	388	118	180	512	625	428	681
San Jose, FL	528	815	118	203	137	237	2,714	4,885	388	657
San Jose, MA	1,080	1,810	588	881	373	652	818	1,078	838	1,843
San Jose, OH	355	827	78	138	188	288	753	1,330	334	588
San Jose, LA	582	1,041	148	288	257	488	788	1,424	588	1,015
San Jose, OH	424	778	131	240	208	382	388	714	382	718
San Jose, CO	740	1,488	142	282	288	555	670	1,328	675	1,338
San Jose, WA	444	810	98	191	214	437	637	1,304	388	777
San Jose, TX	208	448	42	80	71	152	345	743	181	381
San Jose, TN	577	1,248	143	310	271	588	1,177	2,545	581	1,214
San Jose, MO	443	1,000	70	158	242	547	438	870	381	858
San Jose, OK	318	717	45	102	130	282	388	878	291	657
San Jose, MO	485	1,082	107	248	235	548	408	845	481	1,075
San Jose, GA	501	1,175	102	288	187	382	1,019	2,382	418	981
San Jose, TX	270	851	52	125	188	288	515	1,243	248	884
San Jose, PA	308	785	77	188	188	487	378	840	308	788
San Jose, TX	357	800	34	87	120	301	1,515	3,816	382	812
San Jose, CA	437	1,153	84	248	118	312	423	1,117	385	982
San Jose, OK	338	805	38	101	138	370	648	2,285	288	788
San Jose, FL	238	642	57	152	138	371	237	636	228	606
San Jose, OH	357	884	108	288	158	408	200	541	334	801
San Jose, LA	272	737	65	148	188	327	628	1,707	282	711
San Jose, OH	278	783	88	182	118	324	508	1,383	258	701
San Jose, AZ	275	753	98	270	84	258	827	1,716	248	882
San Jose, MN	524	1,483	152	424	118	328	1,574	4,382	418	1,158
San Jose, CA	374	1,082	58	167	138	385	717	2,038	337	957
San Jose, NM	348	888	122	348	85	244	818	2,334	314	885
San Jose, OH	218	635	48	142	104	302	188	548	188	588
San Jose, NY	485	1,488	328	843	108	318	254	748	530	1,584
San Jose, NE	184	552	44	132	102	305	173	518	178	527
San Jose, NC	225	688	50	152	103	311	287	887	188	574
San Jose, NJ	288	808	174	552	73	233	157	488	258	688
San Jose, VA	358	1,158	131	428	178	570	324	1,048	328	1,088
San Jose, CA	178	588	28	87	80	285	128	414	185	543
San Jose, KY	182	628	40	140	83	321	584	1,847	185	588
San Jose, KS	288	837	38	138	83	221	1,182	4,188	248	888
San Jose, VA	382	1,288	142	508	145	518	383	1,287	383	1,288
San Jose, AL	208	745	38	138	105	375	438	1,858	208	718
San Jose, FL	228	831	51	184	78	277	572	2,075	258	908
San Jose, CA	141	528	34	128	85	244	188	588	145	542
San Jose, MN	272	1,023	90	337	88	258	838	3,152	254	884
San Jose, TX	130	502	24	94	57	228	288	1,124	131	507
San Jose, CO	220	887	35	142	83	253	328	1,324	182	853
San Jose, NY	385	1,830	225	828	128	518	238	881	383	1,488
San Jose, FL	138	577	38	157	45	185	188	788	128	488
San Jose, CA	155	684	22	95	87	285	488	2,080	157	672
San Jose, OH	150	688	34	152	88	288	131	588	154	678
San Jose, AK	722	3,187	388	1,710	124	647	752	3,320	684	3,018

based on estimated population as of July 1, 1984. <sup>2</sup> Represents, in effect, city-county consolidated government, as: U.S. Bureau of the Census, *City Government Finance*, series GP55, No. 4, annual.

## No. 457. CITY GOVERNMENTS—FINANCE

(In millions of dollars. For fiscal year 0)

CITIES RANKED BY POPULATION SIZE, 1984 <sup>1</sup>	REVENUE								Gr o u n t
	Total <sup>2</sup>	General revenue						Utility revenue	
		Total <sup>2</sup>	Intergovernmental revenue		Taxes				
			From State and local gov'ts	From Federal Govern- ment	Total <sup>2</sup>	Property	Sales and gross receipts		
New York, NY <sup>2</sup>	27,197	23,048	7,780.7	1,539.9	10,834.4	4,273.0	2,681.0	1,486.2	12
Los Angeles, CA	4,254	2,334	247.3	211.7	1,155.5	374.6	554.8	1,486.2	3
Chicago, IL	2,581	2,186	329.6	317.3	1,160.4	386.2	644.5	163.2	1
Houston, TX	1,434	1,175	40.6	72.4	597.7	337.9	245.1	190.5	2
Philadelphia, PA <sup>2</sup>	2,682	1,963	315.1	152.3	1,141.4	227.8	16.2	577.5	2
Detroit, MI	1,763	1,363	512.9	169.3	484.8	177.1	51.5	134.7	
Dallas, TX	859	670	54.6	53.6	376.4	197.4	166.8	106.9	
San Diego, CA	766	626	94.9	52.3	211.7	72.8	120.1	82.7	1
Phoenix, AZ	782	680	179.4	78.7	197.2	67.0	116.7	66.7	1
San Antonio, TX	1,202	392	22.4	41.1	133.6	66.0	61.8	797.6	2
Honolulu, HI <sup>2</sup>	506	450	20.1	70.8	279.4	226.1	32.3	55.6	
Baltimore, MD <sup>2</sup>	1,484	1,335	610.8	83.3	457.8	300.9	35.2	38.4	1
San Francisco, CA <sup>2</sup>	2,079	1,747	460.6	194.0	563.5	267.1	142.0	144.1	1
Indianapolis, IN <sup>2</sup>	567	540	134.8	51.8	197.9	180.2	11.4	7.8	
San Jose, CA	518	459	55.4	28.7	213.5	70.3	100.0	4.9	
Memphis, TN	1,439	843	336.6	47.4	140.2	101.6	26.6	734.3	
Washington, DC <sup>2</sup>	3,116	2,877	26.3	998.1	1,574.4	455.1	494.2	40.6	2
Milwaukee, WI	562	471	194.1	34.9	117.8	110.5	2.1	32.6	
Jacksonville, FL <sup>2</sup>	1,003	529	67.3	50.3	136.9	96.7	31.5	443.3	
Boston, MA <sup>2</sup>	1,179	1,090	487.5	72.3	372.6	350.7	6.2	27.7	
Columbus, OH	420	355	34.2	43.6	100.0	13.6	2.8	84.6	
New Orleans, LA <sup>2</sup>	645	582	64.0	84.6	256.9	73.9	171.3	41.5	
Cleveland, OH	531	424	46.7	84.4	206.7	42.3	1.8	106.3	
Denver, CO <sup>2</sup>	806	740	106.0	36.4	280.1	85.7	170.4	84.9	
Seattle, WA	721	444	61.5	31.7	213.6	63.6	96.4	231.4	
El Paso, TX	253	206	7.7	34.1	70.6	39.3	26.5	26.5	
Nashville-Davidson, TN <sup>2</sup>	1,027	577	109.9	33.5	271.4	129.2	117.2		1
Kansas City, MO	503	443	22.5	47.4	242.2	31.2	115.4	33.3	
Oklahoma City, OK	352	318	6.0	39.4	129.5	23.7	100.7	27.3	
St. Louis, MO <sup>2</sup>	532	465	40.8	66.0	235.2	31.0	106.4	16.9	
Atlanta, GA	586	501	25.2	76.7	167.0	65.0	80.2	52.7	1
Fort Worth, TX	336	270	11.7	40.5	120.2	67.0	48.4	45.0	
Pittsburgh, PA	329	306	37.5	39.1	186.1	83.4	14.6	6.2	
Austin, TX	796	367	6.7	27.6	119.6	66.3	46.4	410.4	1
Long Beach, CA	623	437	56.0	35.9	118.3	45.3	60.3	184.8	
Tulsa, OK	375	339	12.1	25.9	136.7	16.7	119.3	33.9	
Miami, FL	279	239	31.1	25.5	136.4	63.1	36.2	-	
Cincinnati, OH	431	367	52.3	55.3	150.2	28.9	1.4	37.7	
Baton Rouge, LA <sup>2</sup>	286	272		30.4	120.5	26.7	83.1	3.0	
Portland, OR	309	275	36.7	27.9	116.7	65.3	19.4	30.4	
Tucson, AZ	327	275	70.8	28.0	93.5	12.3	76.1	42.3	
Minneapolis, MN	636	524	103.7	48.4	117.7	97.8	12.6	20.4	1
Oakland, CA	396	374	26.2	32.5	135.8	56.6	50.5	-	
Albuquerque, MN	382	346	61.8	40.2	85.4	35.7	45.6	35.3	
Toledo, OH	235	218	20.0	27.0	103.7	10.8	5	17.1	
Buffalo, NY	510	486	250.9	68.9	107.7	96.6	9.3	15.1	
Omaha, NE	197	164	22.8	21.2	101.7	48.9	45.6	-	
Charlotte, NC	250	225	27.5	22.6	102.7	60.4	16.2	16.4	
Newark, NJ	313	286	146.9	26.7	73.2	51.6	4.9	28.3	
Virginia Beach, VA <sup>2</sup>	378		112.6	16.8	175.8	104.0	50.1	20.6	
Sacramento, CA	212	179	16.6	7.8	69.6	26.4	61.4	12.2	
Louisville, KY	234	182	6.6	31.9	93.0	29.3	11.3	44.5	
Wichita, KS	292	266	19.4	19.7	62.6	41.9	16.3		1
Norfolk, VA <sup>2</sup>	405	362	105.0	37.0	145.3	74.0	54.4	22.4	
Birmingham, AL	237	208	13.0	25.5	105.1	18.5	33.3	-	
Tampa, FL	300	229	29.5	21.2	78.3	26.6	43.0	36.6	
Fresno, CA	166	141	21.0	13.2	65.2	25.6	32.6	7.7	
St. Paul, MN	296	272		31.1	68.1	46.7	18.0	17.6	
Corpus Christi, TX	165	130	3.6	20.4	56.8	30.1	25.3	56.0	
Colorado Springs, CO	458	220	16.1		62.7	11.4		236.6	
Rochester, NY	413	385	191.4	33.7	125.9	111.5	1.4	17.9	
St. Petersburg, FL	179	139	16.0	22.0	44.7	24.1	18.7	31.1	
Anaheim, CA	339	155	13.3	6.4	66.6	21.7	41.1	183.7	
Akron, OH	166	150	11.9	22.6	67.8	11.0	1	16.0	
Anchorage, AK	790	722	367.3	20.4	124.0	155.5	3.3		

- Represents zero. <sup>2</sup> Less than \$50,000. <sup>1</sup> Based on 1984 estimated resident population. <sup>2</sup> Includes other all  
 rise, not shown separately. <sup>3</sup> Represents, in effect, city-county consolidated government.

## LARGEST CITIES: 1995

in the 12 months ending June 30, 1995. See headnote, table 465

Total *	EXPENDITURE									CITIES RANKED BY POPULATION SIZE, 1994 <sup>1</sup>
	General expenditure								Utility expendi- ture	
	Total *	Educa- tion	Housing and commu- nity develop- ment	Public welfare	Health and hospita- ls	Police protec- tion	Fire pro- tection	High- ways		
24,988	20,590	4,329.9	1,308.1	4,248.7	2,189.7	1,178.5	580.4	568.9	2,513.8	New York, NY *
3,830	1,940	3.4	164.2	-	5.1	422.5	175.1	97.0	1,294.8	Los Angeles, CA
2,334	1,982	27.2	90.3	56.3	50.8	475.4	171.1	183.8	133.5	Chicago, IL
1,246	1,024	-	10.3	-	28.3	183.0	111.4	86.5	186.4	Houston, TX
2,581	1,839	21.0	112.3	102.7	154.3	235.9	88.7	75.2	579.7	Philadelphia, PA *
1,518	1,145	8.8	105.3	-	88.5	187.1	80.8	120.5	194.2	Detroit, MI
778	585	-	13.8	-	7.9	112.5	59.1	48.0	145.1	Dallas, TX
838	504	-	53.3	(2)	.2	80.8	37.1	30.5	106.7	San Diego, CA
773	889	4.6	30.2	.8	7	85.3	105.7	84.6	94.6	Phoenix, AZ
1,483	407	2.3	14.1	3.3	21.4	58.2	27.1	29.7	1,047.3	San Antonio, TX
481	381	-	19.1	-	5.1	84.9	28.3	31.2	110.2	Honolulu, HI *
1,258	1,178	383.0	30.2	5	39.7	112.5	57.7	150.5	41.8	Baltimore, MD *
1,853	1,353	33.2	49.2	163.8	111.1	115.9	82.3	10.3	350.4	San Francisco, CA *
584	511	1.7	17.7	53.2	108.7	47.7	22.3	30.9	34.4	Indianapolis, IN *
437	418	-	35.4	-	5.5	57.9	33.7	85.5	8.6	San Jose, CA
1,338	560	288.3	10.3	.2	11.9	53.5	43.1	16.0	738.4	Memphis, TN
2,134	2,635	473.1	164.4	485.2	265.9	181.9	87.7	89.8	64.8	Washington, DC *
482	429	-	31.1	-	18.3	82.7	40.5	48.1	28.3	Milwaukee, WI
1,091	380	(2)	10.1	8.2	22.9	45.5	28.5	25.9	680.0	Jacksonville, FL *
1,067	936	286.8	88.6	2.3	110.8	80.8	51.7	31.7	25.6	Boston, MA *
416	334	-	12.2	-	14.0	58.7	34.4	28.5	82.5	Columbus, OH
625	588	-	50.9	10.6	13.0	58.1	32.7	51.3	37.3	New Orleans, LA *
808	382	-	45.1	1.3	12.0	93.4	41.8	28.4	115.3	Cleveland, OH
778	875	-	9.9	79.0	105.4	77.8	38.3	10.1	82.1	Denver, CO *
683	380	-	16.2	-	3.9	55.4	30.3	14.7	281.1	Seattle, WA
228	181	(2)	2.9	.2	6.8	28.9	18.4	19.8	10.1	El Paso, TX
1,051	551	185.4	11.4	5.8	44.8	38.7	19.4	18.1	481.3	Nashville-Davidson, TN *
425	381	19.8	32.6	1	25.7	58.5	25.1	38.7	30.8	Kansas City, MO
388	10.1	-	12.4	-	45.8	30.0	21.4	19.3	40.8	Oklahoma City, OK
506	481	1.8	38.4	2.0	60.9	10.1	21.7	30.0	16.5	St. Louis, MO *
508	416	14.9	15.4	10.1	.2	38.4	26.2	19.5	40.1	Atlanta, GA
318	246	-	14.8	-	4.5	30.8	21.8	28.4	59.8	Fort Worth, TX
337	308	-	17.5	(2)	5.8	47.5	32.1	35.5	8.2	Pittsburgh, PA
888	362	.6	7.7	6	88.6	37.8	20.1	11.0	528.1	Austin, TX
559	365	.5	30.3	-	6.0	61.4	38.8	22.3	184.1	Long Beach, CA
367	299	1	8.1	-	3.5	30.0	25.0	38.2	58.4	Tulsa, OK
245	226	3	14.3	1.4	.2	51.3	34.4	14.0	-	Miami, FL
387	334	-	48.8	-	23.8	46.4	34.9	21.8	36.5	Cincinnati, OH
277	282	-	7.6	1.0	16.4	24.0	14.1	38.7	4.8	Baton Rouge, LA *
318	256	-	8.7	-	11.3	48.2	33.7	17.7	41.6	Portland, OR
316	249	-	15.9	2.1	-	33.2	18.7	34.3	63.3	Tucson, AZ
488	415	-	82.8	-	7.3	38.7	22.7	38.6	18.2	Minneapolis, MN
372	337	13	23.7	-	4	43.0	25.5	18.1	-	Oakland, CA
383	314	-	11.1	-	3.4	33.5	17.6	17.7	49.7	Albuquerque, NM
213	196	-	18.1	-	3.7	38.5	18.5	18.5	16.7	Toledo, OH
545	530	217.4	83.8	-	1.2	31.8	27.3	30.9	15.1	Buffalo, NY
182	178	1	12.8	-	1.7	24.3	18.2	25.1	-	Omaha, NE
232	190	-	2.8	1	1.2	23.7	17.5	23.6	39.8	Charlotte, NC
278	258	.8	18.3	36.7	5.8	41.0	30.8	1.2	15.0	Newark, NJ
351	326	147.3	.2	8.2	7.5	21.2	12.2	28.9	24.5	Virginia Beach, VA *
180	185	-	3.4	-	-	37.0	24.1	21.8	12.2	Sacramento, CA
211	185	-	5.2	5.3	6.1	28.3	18.3	8.7	39.3	Louisville, KY
275	10.1	-	4.8	-	4.2	18.1	11.0	23.4	20.1	Wichita, KS
383	383	118.6	39.8	20.1	19.1	21.5	15.7	18.9	22.3	Norfolk, VA *
210	200	5.8	9.8	-	1.5	21.5	19.0	17.6	-	Birmingham, AL
287	250	-	6.1	-	(2)	34.3	17.0	14.3	21.3	Tampa, FL
179	145	-	2.7	-	-	29.7	14.2	18.2	18.7	Fresno, CA
280	284	-	14.0	-	5.4	23.3	18.9	20.1	16.3	St. Paul, MN
188	131	-	2.7	.2	3.8	14.7	9.2	13.0	57.4	Corpus Christi, TX
438	182	-	7	4	38.5	17.8	11.5	12.7	277.2	Colorado Springs, CO
374	383	174.0	15.8	7	-	24.8	19.7	18.5	11.1	Rochester, NY
173	120	-	6.7	-	-	22.8	9.3	11.8	10.1	St. Petersburg, FL
388	157	-	14.7	-	-	27.0	13.3	8.6	210.7	Anaheim, CA
174	154	-	32.1	-	3.3	18.8	16.2	13.5	19.8	Akron, OH
850	684	280.8	-	7.0	13.8	37.8	22.8	34.5	171.7	Anchorage, AK

Source: U.S. Bureau of the Census, City Government Finances in 1994-95, series, GF95, No. 4.



## NO. 458. CITY GOVERNMENTS—FINANCES, BY POPULATION-SIZE GROUPS: 1985

[For fiscal year closed in the 12 months ending June 30, 1986. Represents all municipalities and their dependent agencies, including dependent school systems where applicable]

ITEM	All cities <sup>1</sup>	CITIES HAVING A 1984 POPULATION OF—						
		Less than 50,000 <sup>1</sup>	50,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,999	500,000 to 999,999	1,000,000 or more
Number of cities, 1985	19,185	18,751	266	103	22	27	18	11
Population, 1984 (1,000)	146,706	86,754	16,055	14,030	5,343	10,303	12,526	17,695
FINANCES, 1985 (mil. dol.)								
General revenue <sup>2</sup>	114,827	31,945	11,274	18,371	5,692	9,274	14,822	23,899
Taxes <sup>3</sup>	47,647	11,954	4,896	4,244	1,784	3,729	5,886	15,174
Property	23,459	6,956	2,950	2,554	896	1,519	2,797	5,787
Percent of total taxes	49.2	58.2	60.3	60.2	50.8	40.7	47.5	38.1
Sales and gross receipts	13,876	3,407	1,392	1,207	543	1,440	1,694	4,193
Intergovernmental <sup>4</sup>	35,838	8,899	3,001	3,138	1,645	2,406	5,088	11,089
From State governments	23,082	5,332	1,896	1,941	1,089	1,240	2,882	6,922
From Federal Government	10,232	2,439	929	939	438	981	2,103	2,463
Revenue sharing	2,450	588	270	230	110	206	248	486
Current charges	16,514	5,697	1,837	1,654	825	1,541	1,846	3,112
Water supply and other utilities revenue <sup>5</sup>	26,485	11,723	2,380	2,835	933	1,771	2,863	3,080
General expenditure <sup>2</sup>	105,647	29,992	10,850	18,371	4,631	8,472	13,111	24,631
Police and fire protection	18,372	6,325	2,376	2,069	815	1,726	2,236	3,831
Education	11,433	1,566	1,124	1,454	875	590	1,434	4,389
Sewerage and sanitation	11,448	4,530	1,209	1,076	478	1,005	1,270	1,879
Highways	8,708	3,858	1,066	862	313	642	886	1,112
Health and hospitals	6,575	1,597	525	380	193	380	1,023	2,477
Housing and community development	5,100	850	632	485	253	520	889	1,781
Public welfare	5,782	167	66	170	85	61	606	4,408
Interest on general debt	6,859	2,089	716	824	448	828	943	1,211
Water supply and other utilities expenditure <sup>5</sup>	28,537	12,076	2,523	2,997	1,160	2,070	3,000	4,902
Gross debt outstanding	143,670	46,889	15,230	13,170	6,886	14,919	18,577	34,164
Long-term	138,643	47,534	14,677	12,775	6,560	14,537	17,926	22,632
Short-term	5,227	1,330	553	395	295	373	749	1,532
PERCENT DISTRIBUTION								
General revenue <sup>2</sup>	100.0	27.9	8.8	9.0	4.4	8.1	12.8	28.9
Taxes <sup>3</sup>	100.0	25.1	10.3	8.9	3.7	7.8	12.4	31.8
Property	100.0	29.7	12.6	10.9	3.8	6.5	11.9	24.7
Sales and gross receipts	100.0	24.6	10.0	8.7	3.9	10.4	12.2	30.2
Intergovernmental	100.0	24.7	8.4	8.8	4.6	6.7	14.2	32.6
Current charges	100.0	34.5	11.1	10.0	5.0	9.3	11.2	16.8
General expenditure <sup>2</sup>	100.0	28.4	10.3	9.4	4.8	8.6	12.4	27.9
Police and fire protection	100.0	32.7	12.3	10.6	4.2	8.9	11.6	19.8
Education	100.0	13.7	9.6	12.7	7.7	5.2	12.5	38.4
Sewerage and sanitation	100.0	39.6	10.6	9.4	4.2	8.8	11.1	16.4
Highways	100.0	44.3	12.1	8.9	3.6	7.4	9.9	12.8
Health and hospitals	100.0	24.3	8.0	5.8	2.9	5.8	15.6	37.7
Housing and community development	100.0	16.7	10.4	8.1	5.0	10.2	13.7	34.9
Public welfare	100.0	2.9	1.1	3.0	1.6	1.1	14.0	75.5
Interest on general debt	100.0	30.5	10.4	8.1	6.6	12.1	13.7	17.7
PER CAPITA <sup>6</sup> (dollars)								
General revenue <sup>2</sup>	781	485	634	739	839	896	1,187	1,614
Taxes <sup>3</sup>	325	174	271	302	330	362	470	868
Property	160	101	163	182	168	147	223	327
Sales and gross receipts	95	50	77	86	102	140	135	237
Intergovernmental <sup>4</sup>	244	129	166	224	308	234	406	881
From State governments	157	78	105	136	204	120	213	604
From Federal Government	70	35	52	67	82	95	168	139
Revenue sharing	17	13	15	16	21	20	20	28
Current charges	113	83	102	116	154	150	148	178
Water supply and other utilities revenue <sup>5</sup>	180	171	132	202	175	172	229	225
General expenditure <sup>2</sup>	729	496	601	705	804	822	1,047	1,612
Police and fire protection	132	82	132	147	153	158	179	217
Education	78	25	62	104	164	57	114	348
Sewerage and sanitation	78	66	67	77	89	101	108	108
Highways	59	56	58	61	59	62	69	68
Health and hospitals	45	23	29	27	36	37	82	148
Public welfare	39	3	4	12	16	6	65	249
Housing and community development	35	13	29	33	47	60	66	101
Interest on general debt	47	30	40	44	84	80	75	69
Water supply and other utilities expenditure <sup>5</sup>	201	176	140	214	217	201	304	277
Gross debt outstanding	881	711	844	811	1,068	1,447	1,481	1,388
Long-term	845	691	813	811	1,032	1,411	1,431	1,278
Short-term	36	19	31	28	56	36	50	110

<sup>1</sup> Data are estimates subject to sampling variation, see source and Appendix III. <sup>2</sup> Includes items not shown separately. <sup>3</sup> Includes liquor stores. <sup>4</sup> Based on resident population estimated as of July 1, 1984.

Source: U.S. Bureau of the Census, City Government Finances in 1984-85, series GF85, No. 4.

### 2. 488. ESTIMATED STATE AND LOCAL TAXES PAID BY A FAMILY OF FOUR IN SELECTED LARGE CITIES, BY INCOME LEVEL: 1986

Source: Data based on average family of four (two wage earners and two school age children) owning their own home and living in a city where taxes apply. Comprise State and local sales, income, auto, and real estate taxes. For definition of median, see Guide to Tabular Presentation.

CITY	TOTAL TAXES PAID BY GROSS FAMILY INCOME LEVEL (dol.)					PERCENT OF INCOME BY INCOME LEVEL				
	\$20,000	\$35,000	\$50,000	\$75,000	\$100,000	\$20,000	\$35,000	\$50,000	\$75,000	\$100,000
Albany, GA	1,812	3,387	4,981	7,473	9,763	9.8	9.7	9.9	10.0	9.8
Annapolis, MD	1,892	3,988	5,308	7,981	10,579	10.0	10.6	10.8	10.8	10.8
Boston, CT	3,435	5,493	8,093	12,032	15,243	17.2	15.7	16.2	16.0	15.2
Butt, VT	1,894	2,905	4,318	6,884	9,819	8.5	8.3	8.6	9.2	9.6
Chattanooga, TN	1,479	2,442	3,812	5,333	6,189	7.4	7.0	7.6	8.4	9.2
Cary, NC	1,538	2,672	4,058	6,224	8,360	7.7	7.8	8.1	8.3	8.4
Chgo., IL	1,849	3,083	4,507	6,588	8,524	9.2	8.8	9.0	8.8	8.5
Cincinnati, OH	1,752	3,154	4,624	7,243	9,982	8.8	9.0	9.2	9.7	10.0
Columbia, SC	1,610	2,868	4,267	6,444	8,482	8.1	8.2	8.5	8.6	8.5
Colorado Springs, CO	2,088	3,581	5,237	8,154	10,656	10.4	10.2	10.5	10.9	10.7
Dayton, OH	1,882	3,437	5,087	7,810	10,980	9.7	9.8	10.2	10.4	10.4
Des Moines, IA	2,427	4,198	6,012	8,957	11,887	12.1	11.9	12.0	11.9	11.8
Detroit, MI	1,849	3,280	4,793	7,369	10,071	9.2	9.4	9.6	9.8	10.1
Evansville, IN	2,220	3,588	5,140	7,621	9,700	11.1	10.3	10.3	10.2	9.7
Fresno, CA	1,782	3,097	4,433	7,987	11,388	8.8	8.8	10.9	10.6	11.4
Indianapolis, IN	1,811	2,943	4,233	6,228	8,042	9.1	8.4	8.5	8.3	8.0
Knoxville, TN	1,587	2,347	3,220	4,381	5,480	8.0	8.7	8.4	5.8	5.5
Lafayette, LA	2,358	4,418	6,832	10,444	14,005	11.8	12.8	13.3	13.9	14.0
Little Rock, AR	3,522	5,880	8,513	12,765	16,543	17.8	16.8	17.0	17.0	16.5
Long Beach, CA	1,917	3,824	5,507	8,885	12,448	9.8	10.4	11.0	11.8	12.4
Los Angeles, CA	1,506	2,595	3,824	5,383	7,882	7.5	7.4	7.8	8.5	7.7
Madison, WI	1,847	2,571	4,002	6,184	8,408	8.2	7.8	8.0	8.3	8.4
Philadelphia, PA	2,545	4,188	6,838	9,495	10,987	12.7	12.0	11.7	11.3	11.0
Rochester, NY	2,090	3,773	5,743	8,345	12,682	10.5	10.8	11.5	12.5	12.7
Salt Lake City, UT	2,311	4,182	6,084	9,388	12,741	11.8	12.0	12.2	12.5	12.7
San Antonio, TX	2,336	3,861	5,848	8,230	12,148	11.7	11.0	11.9	12.3	12.1
San Diego, CA	1,519	2,520	3,857	5,351	6,835	7.5	7.2	7.3	7.1	6.9
San Jose, CA	1,802	3,017	4,297	6,181	7,883	8.0	8.6	8.6	8.2	7.9
Seattle, WA	1,848	2,798	3,878	5,414	6,770	9.2	8.0	7.8	7.2	6.8
Spokane, WA	1,880	3,368	5,073	7,588	11,080	9.4	8.8	10.1	10.1	11.1
St. Paul, MN	1,597	2,714	4,058	6,225	8,408	8.0	7.8	8.1	8.3	8.4

Median of all 51 cities. For complete list of cities, see table 489.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Burdens in Washington, DC Compared With Those in The Largest City in Each of the 50 States, 1986*.

### No. 489. RESIDENTIAL PROPERTY TAX RATES IN SELECTED LARGE CITIES: 1986

CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100	CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100
	Rank	Rate				Rank	Rate		
Albany, NY	1	5.28	41.2	12.83	Fargo, ND	26	1.48	4.5	33.18
Annapolis, MD	2	4.03	48.3	8.17	Boston, MA	27	1.35	100.0	1.35
Boston, MA	3	3.84	59.7	6.80	Louisville, KY	28	1.29	92.0	1.40
Butt, VT	4	3.73	33.3	11.19	Billings, MT	29	1.26	3.7	34.18
Chattanooga, TN	5	3.41	99.3	3.43	Albuquerque, NM	30	1.23	33.3	3.69
Cincinnati, OH	6	2.94	75.7	3.88	New York City, NY	31	1.22	13.1	9.33
Columbia, SC	7	2.78	100.0	2.78	Jackson, MS	32	1.21	10.0	12.08
Colorado Springs, CO	8	2.70	43.5	6.21	Oldham City, NM	33	1.21	13.5	8.93
Dayton, OH	9	2.58	35.8	7.25	St. Louis, MO	34	1.16	18.0	6.11
Des Moines, IA	10	2.54	34.0	7.48	Washington, DC	35	1.15	94.0	1.15
Detroit, MI	11	2.32	35.8	6.48	New Orleans, LA	36	1.14	10.0	11.41
Evansville, IN	12	2.23	28.0	8.57	Salt Lake City, UT	37	1.11	80.0	1.85
Fresno, CA	13	2.22	87.0	2.55	Norfolk, VA	38	1.10	88.0	1.25
Indianapolis, IN	14	2.18	19.8	11.12	Wichita, KS	39	1.08	8.2	13.15
Knoxville, TN	15	2.09	16.0	12.07	Charleston, WV	40	1.07	62.0	1.73
Lafayette, LA	16	2.02	21.0	9.80	Seattle, WA	41	1.07	93.0	1.16
Little Rock, AR	17	1.87	100.0	4.93	Los Angeles, CA	42	1.06	100.0	1.06
Madison, WI	18	1.85	96.2	1.92	Charlotte, NC	43	1.01	75.0	1.34
Philadelphia, PA	19	1.83	95.0	1.83	Columbia, SC	44	.97	4.0	24.32
Rochester, NY	20	1.82	35.0	5.20	Anchorage, AK	45	.94	100.0	.94
San Antonio, TX	21	1.82	100.0	1.82	Little Rock, AR	46	.92	20.0	4.81
San Diego, CA	22	1.78	25.0	7.11	Las Vegas, NV	47	.88	34.4	2.57
San Jose, CA	23	1.68	100.0	1.68	Casper, WY	48	.78	11.0	7.08
Seattle, WA	24	1.57	99.2	1.58	Phoenix, AZ	49	.71	7.0	10.80
Spokane, WA	25	1.50	100.0	1.50	Birmingham, AL	50	.70	10.0	8.95
St. Paul, MN					Honolulu, HI	51	.60	90.8	.60

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Burdens in Washington, DC Compared With Those in The Largest City in Each of the 50 States, 1986*.

## No. 461. GOVERNMENTAL EMPLOYMENT AND PAYROLLS: 1970 TO 1985

[For October. Covers both full-time and part-time employees. Except for 1977 and 1982, local government data are estimates subject to sampling variation; see source, and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 272-307]

TYPE OF GOVERNMENT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>EMPLOYEES (1,000)</b>											
Total	13,029	14,973	15,489	15,826	15,871	16,213	16,988	15,841	16,034	16,436	16,888
Federal (civilian) <sup>1</sup>	2,881	2,890	2,848	2,885	2,868	2,808	2,885	2,848	2,875	2,942	3,021
State and local	10,147	12,084	12,611	12,743	13,102	13,315	13,103	12,993	13,159	13,494	13,868
Percent of total	77.9	80.7	81.5	81.5	82.0	82.1	82.1	82.0	82.1	82.1	81.9
State	2,765	3,271	3,481	3,539	3,669	3,753	3,726	3,744	3,816	3,898	3,984
Local	7,382	8,813	9,120	9,204	9,403	9,562	9,377	9,249	9,344	9,596	9,885
Counties	1,229	1,563	1,761	1,788	1,804	1,853	1,808	1,824	1,811	1,872	1,891
Municipalities	2,244	2,506	2,469	2,509	2,553	2,581	2,489	2,397	2,424	2,434	2,467
School districts	3,316	3,988	4,127	4,113	4,200	4,270	4,222	4,194	4,211	4,387	4,416
Townships	330	392	361	411	401	394	368	366	379	386	392
Special districts	275	383	402	403	446	484	492	478	519	518	519
<b>OCTOBER PAYROLLS (mil. dol.)</b>											
Total	8,334	13,234	15,338	16,463	16,977	19,835	21,199	22,172	24,525	26,904	28,946
Federal (civilian) <sup>1</sup>	2,428	3,564	3,918	4,344	4,726	5,205	5,239	5,969	6,301	7,137	7,580
State and local	5,906	9,640	11,420	12,139	13,349	14,730	15,954	17,214	18,224	19,767	21,365
Percent of total	70.8	72.9	74.5	73.7	73.8	73.8	75.3	74.2	74.3	73.5	73.6
State	1,612	2,653	3,195	3,483	3,669	4,285	4,668	5,022	5,346	5,815	6,329
Local	4,294	6,987	8,225	8,656	9,480	10,445	11,287	12,192	12,878	13,952	15,036
Counties	640	1,183	1,489	1,564	1,726	1,936	2,063	2,287	2,387	2,586	2,819
Municipalities	1,381	2,129	2,412	2,535	2,729	2,851	3,222	3,426	3,640	3,872	4,191
School districts	2,032	3,160	3,707	3,897	4,272	4,683	5,021	5,442	5,729	6,283	6,746
Townships	122	215	250	289	291	330	349	370	398	421	446
Special districts	140	300	367	392	463	548	612	665	724	780	834
<b>AVERAGE ANNUAL PERCENT CHANGE <sup>2</sup></b>											
Employees, total	4.3	2.8	2.1	1.1	2.2	1.8	1.5	- .8	1.2	2.5	1.5
Federal (civilian) <sup>1</sup>	2.2	.8	- .7	1.3	- .5	1.0	1.2	.8	.9	2.4	2.7
State	8.3	3.5	3.3	1.4	4.5	1.5	- .7	- .5	1.9	2.1	2.2
Local	4.4	3.6	1.7	.9	2.2	1.7	-1.9	-1.4	1.0	2.7	.9
Counties	4.7	4.8	6.2	.4	2.0	2.7	-2.4	.9	- .7	3.4	1.0
Municipalities	3.6	2.2	.7	1.6	1.6	.3	-3.6	-2.9	1.1	.4	1.4
School districts	5.0	3.7	2.0	- .3	2.1	1.7	1.1	- .7	.4	4.2	.7
Townships	3.2	3.5	-4.0	13.9	-2.4	-1.7	2.0	- .8	6.5	1.8	1.6
Special districts	3.8	8.9	2.5	.2	10.4	8.8	1.7	-2.8	8.6	- .8	.8
Payrolls, total	11.3	9.4	7.7	7.5	8.7	10.3	9.3	8.3	8.8	9.7	7.8
Federal (civilian) <sup>1</sup>	10.3	8.1	4.6	10.9	8.7	10.1	.6	13.7	5.7	13.3	6.2
State	13.7	10.5	9.7	9.0	11.1	10.8	8.9	7.6	6.5	8.8	8.8
Local	11.0	10.2	8.5	5.2	8.5	10.2	8.1	8.0	5.6	8.3	7.8
Counties	11.2	13.1	12.2	5.0	10.4	12.2	7.6	8.8	4.4	8.8	8.5
Municipalities	10.7	9.4	6.4	5.1	7.7	8.1	8.2	6.4	6.2	6.4	8.2
School districts	11.3	9.2	8.3	5.1	9.6	9.6	7.2	8.4	5.3	9.7	7.4
Townships	8.5	12.0	7.8	7.6	8.2	13.4	5.8	6.0	7.6	5.8	5.8
Special districts	10.0	16.5	10.6	6.8	18.1	17.8	12.1	6.7	8.9	7.7	6.8

<sup>1</sup> Includes employees outside U.S. <sup>2</sup> Represents average for period of interval shown; for 1970, change from 1966. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease.

Source: U.S. Bureau of the Census, 1982 *Census of Governments*, Vol. 8, No. 5, *Historical Statistics on Governmental Finances and Employment*, and *Public Employment*, series GE, No. 1, annual.

## No. 462. GOVERNMENTAL EMPLOYMENT AND PAYROLLS, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1985

[For October. Covers both full-time and part-time employees. Local government data are estimates subject to sampling variation; see source, and Appendix III]

FUNCTION	EMPLOYEES (1,000)					OCTOBER PAYROLLS (mil. dol.)				
	Total	Federal (civilian) <sup>1</sup>	State and local			Total	Federal (civilian) <sup>1</sup>	State and local		
			Total	State	Local			Total	State	Local
Total	16,888	3,021	13,868	3,984	9,885	28,946	7,580	21,365	6,329	15,036
National defense <sup>2</sup>	1,101	1,101	(X)	(X)	(X)	2,808	2,808	(X)	(X)	(X)
Postal Service	754	754	(X)	(X)	(X)	1,741	1,741	(X)	(X)	(X)
Education	7,119	15	7,104	1,784	5,340	10,722	38	10,684	2,444	8,240
Teachers	4,002	(X)	4,002	526	3,475	7,468	(X)	7,468	1,086	6,382
Highways	562	4	549	252	296	822	14	808	489	448
Health and hospitals	1,853	283	1,390	878	712	2,774	640	2,134	1,091	1,043
Public welfare	430	12	418	186	232	662	51	621	307	314
Police protection	780	88	694	81	613	1,516	188	1,328	175	1,153
Fire protection	317	(X)	317	(X)	317	564	(X)	564	(X)	564
Sanitation and sewerage	221	(X)	221	1	220	359	(X)	359	1	358
Parks and recreation	263	(X)	263	33	230	293	(X)	293	44	249
Natural resources	443	941	202	163	39	808	596	306	239	60
Financial administration	436	118	320	131	189	744	253	491	229	262
All other	2,638	447	2,191	885	1,486	4,867	1,181	3,686	1,321	2,365

X Not applicable. <sup>1</sup> Includes employees outside United States. <sup>2</sup> Includes international relations.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

**NO. 463. STATE AND LOCAL GOVERNMENT—FULL-TIME EMPLOYMENT AND SALARY, BY SEX AND RACE/ETHNIC GROUP: 1973 TO 1985**

As of June 30. Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 49 in 1975, 47 in 1977, 46 in 1979, 48 in 1979, 42 in 1980, 49 in 1981, 47 in 1983, 50 in 1984 and 1985) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more nonselected, nonappointed full-time employees. For definition of median, see Guide to Tabular Presentation]

YEAR AND OCCUPATION	EMPLOYMENT (1,000)							MEDIAN ANNUAL SALARY (\$1,000)					
	Total	Male	Female	White <sup>1</sup>	Minority			Male	Female	White <sup>1</sup>	Minority		
					Total <sup>2</sup>	Black <sup>1</sup>	Hispanic				Total <sup>2</sup>	Black <sup>1</sup>	Hispanic
1973	3,808	2,496	1,322	3,115	693	523	126	9.8	7.0	8.8	7.5	7.4	7.4
1975	3,898	2,436	1,464	3,102	797	602	147	11.3	8.2	10.2	8.8	8.8	8.9
1977	4,415	2,737	1,678	3,480	936	705	176	12.4	9.1	11.3	9.7	9.5	9.9
1979	4,447	2,711	1,736	3,481	986	723	181	13.3	9.7	12.0	10.4	10.1	10.7
1979	4,576	2,781	1,816	3,588	1,008	751	182	14.1	10.4	12.8	10.9	10.8	11.4
1980	3,987	2,350	1,637	3,146	842	619	163	15.2	11.4	13.8	11.6	11.5	12.3
1981	4,886	2,740	1,926	3,691	1,074	780	205	17.7	13.1	16.1	13.5	13.3	14.7
1983	4,482	2,874	1,618	3,423	1,069	789	219	20.1	15.3	18.5	15.9	15.8	17.3
1984	4,580	2,700	1,880	3,458	1,121	796	233	21.4	16.2	19.8	17.4	16.6	18.4
1985, total	4,742	2,789	1,953	3,583	1,179	836	248	22.3	17.3	20.8	18.4	17.5	19.2
Officials/administrators	252	181	71	221	31	21	7	33.4	28.4	31.7	28.6	29.0	30.8
Professionals	955	597	448	779	176	109	39	26.8	23.3	28.1	24.7	23.4	33.2
Technicians	472	295	166	375	97	64	21	23.0	17.9	21.1	19.5	18.5	21.3
Protective service	724	555	89	585	139	98	35	23.4	18.3	23.2	22.1	21.1	24.8
Paraprofessionals	368	196	260	233	136	113	17	17.3	16.0	15.6	15.3	15.1	17.0
Office/clerical	874	107	787	640	234	158	66	17.1	15.1	15.3	15.6	15.1	15.5
Skilled craft	397	382	15	313	84	53	24	20.7	15.0	20.5	20.7	19.5	21.4
Service/maintenance	700	563	137	416	284	219	56	18.8	13.3	18.3	15.9	15.3	18.5

<sup>1</sup> Non-Hispanic. <sup>2</sup> Includes other minority groups, not shown separately.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, annual.

**NO. 464. STATE AND LOCAL GOVERNMENT BARGAINING AGREEMENTS: 1984 TO 1986**

[Agreements covering 1,000 or more workers. Averages presented are means; for definition of mean, see Guide to Tabular Presentation]

ITEM	TOTAL			UNITS WITH—					
	1984	1985	1986	1,000 to 4,999 workers			5,000 or more workers		
				1984	1985	1986	1984	1985	1986
Workers, total <sup>1</sup> (1,000):									
All settlements	722	1,475	873	359	595	450	383	680	423
State government	254	548	313	61	143	89	194	403	224
Local government	468	929	560	298	452	361	189	476	199
Average wage adjustment <sup>2</sup> (percent):									
First year of contract:									
All settlements	4.6	4.6	5.7	5.1	5.0	5.2	4.4	4.3	6.2
State government	2.8	4.8	6.3	3.9	4.7	6.0	3.8	4.8	6.8
Local government	5.4	4.4	5.3	5.4	5.1	5.1	5.5	3.8	5.6
Over the life of contract <sup>3</sup> :									
All settlements	5.1	5.4	5.7	5.1	5.4	5.4	5.1	5.3	6.0
State government	3.8	4.9	6.0	3.9	4.7	6.0	3.7	4.9	6.0
Local government	5.9	6.7	5.6	5.4	5.7	5.4	6.8	5.8	6.0
Total effective wage adjustments <sup>4</sup> (percent)	5.0	5.7	5.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Source:									
Current settlements	1.9	4.1	2.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Prior settlements	3.1	1.6	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Cost-of-living adjustments	(Z)	(Z)	(Z)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State government	5.4	4.5	5.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Local government	4.7	6.5	5.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. Z Less than .05 percent. <sup>1</sup> Number of workers covered by settlements reached in each calendar year. <sup>2</sup> Data relate to settlements reached in each calendar year and exclude possible cost-of-living adjustments. <sup>3</sup> Average annual rate of change. <sup>4</sup> Data relate to all wage changes implemented in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living clauses.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, May 1985; *Current Wage Developments*, May 1986 and March 1987; and unpublished data.

# NO. 485. STATE AND LOCAL GOVERNMENT EMPLOYMENT (FULL-TIME EQUIVALENT) BY SELECTED FUNCTION, 1970 TO 1984, AND BY STATE, 1984

(In thousands, for October. Except 1982, local government data are estimates subject to sampling variation; see source and Appendix III. For composition of regions, see fig. inside front cover)

YEAR, REGION, DIVISION, AND STATE	EDUCATION				HEALTH AND HOSPITALS		HIGHWAYS		POLICE AND FIRE PROTECTION		PUBLIC WELFARE	
	Total		Higher education		State	Local	State	Local	State <sup>1</sup>	Local	State	Local
	State	Local	State	Local								
1970	803.0	3,454.8	722.2	119.4	482.0	████	206.8	271.4	56.8	583.7	87.3	██
1975	952.1	4,000.0	849.2	191.2	568.4	562.3	271.5	298.1	68.8	690.1	157.1	18
1980	1,062.8	4,278.3	947.7	212.1	649.8	646.4	255.3	277.4	75.5	745.0	171.5	20
1981	1,062.5	4,239.6	951.7	210.2	654.3	639.3	244.1	265.4	73.1	753.1	169.4	19
1982	1,052.5	4,177.8	944.5	213.2	652.6	661.6	241.4	268.0	75.3	760.4	169.9	20
1983	1,072.1	4,164.8	965.7	193.9	637.9	651.9	239.5	266.4	75.9	760.3	172.5	20
1984	1,081.0	4,303.7	981.2	197.8	644.1	642.8	243.9	274.5	78.7	774.4	174.5	20
<b>Region:</b>												
Northeast	145.6	875.4	126.7	29.1	172.7	107.8	52.3	65.2	19.2	186.2	37.6	8
Midwest	304.9	1,090.4	265.0	48.4	128.3	152.3	48.3	77.9	15.8	182.3	44.5	5
South	401.5	1,660.0	360.4	56.1	257.5	259.6	99.0	88.8	25.2	249.0	70.5	3
West	239.0	808.0	207.1	62.0	87.7	123.4	45.2	42.8	18.4	156.7	21.9	2
<b>N. Eng.</b>	51.4	230.3	44.9	██	41.4	14.0	18.4	14.1	4.7	48.7	16.4	
ME	6.0	23.0	4.7	-	2.6	1.1	2.6	1.8	.5	2.9	1.7	
NH	5.9	16.8	5.6	-	2.3	1	1.7	1.3	.3	3.1	1.1	
VT	3.8	10.4	3.4	-	1.1	-	1.1	.9	.4	.9	.7	
MA	16.9	97.8	15.5	██	20.0	11.4	4.8	6.0	1.7	26.5	8.2	
RI	8.3	15.2	5.4	-	4.0	1	1.1	.8	.2	4.2	1.5	
CT	12.6	57.3	10.3	-	11.4	1.4	4.4	3.4	1.4	11.2	2.2	
<b>Mid Atl.</b>	84.1	655.1	83.8	28.9	131.3	83.8	38.9	51.1	14.8	137.5	22.2	7
NY	46.4	310.4	41.2	16.7	80.7	74.3	14.5	30.8	5.3	77.3	6.8	5
NJ	23.0	152.0	20.1	6.5	20.2	14.0	8.3	10.2	4.3	30.6	4.8	
PA	24.6	182.7	22.6	5.8	30.4	5.2	14.1	10.3	4.9	29.6	10.6	1
<b>E. No. Cent.</b>	206.7	829.8	193.9	34.8	77.8	103.8	38.2	49.8	10.8	135.4	27.9	4
OH	60.7	182.6	48.4	2.8	21.4	26.1	8.5	13.0	2.0	32.0	1.4	1
IN	34.4	196.9	30.1	-	10.6	19.5	4.9	5.3	1.7	15.3	1.3	
IL	39.7	192.6	37.1	16.2	18.9	22.6	7.3	11.8	3.3	47.3	10.7	
MI	48.6	173.1	46.5	9.1	18.8	24.8	3.7	9.7	2.9	24.9	13.1	
WI	33.2	84.5	31.7	6.5	8.3	10.7	1.8	10.0	.7	15.8	1.4	1
<b>W. No. Cent.</b>	98.2	390.8	81.1	13.8	48.5	48.7	22.1	26.0	5.2	48.9	18.8	1
MN	24.2	89.7	22.8	-	9.9	13.1	4.7	6.4	.8	9.1	1.4	
IA	18.8	58.8	17.6	4.4	9.5	8.3	3.2	5.6	.8	8.6	3.5	
MO	17.2	88.5	15.2	3.5	14.6	16.6	8.0	5.2	1.8	18.5	5.3	
ND	5.5	14.5	5.2	.2	2.7	.2	1.0	1.2	.3	1.4	.4	
SD	4.3	14.7	3.8	-	1.9	.7	1.1	1.5	.3	1.5	1.0	
NE	12.6	32.4	11.9	1.9	4.0	3.8	2.4	3.2	.5	4.1	2.5	
KS	15.6	53.4	14.6	3.9	6.1	6.1	3.6	4.9	.7	7.6	2.5	
<b>So. Atl.</b>	177.8	780.0	198.9	33.6	128.2	131.2	51.3	36.5	14.1	128.1	28.7	2
DE	4.9	10.1	4.6	-	3.2	1	1.2	.4	.8	1.2	.7	
MD	23.1	79.4	20.9	6.1	17.4	2.5	4.8	5.0	2.2	15.8	5.6	
DC	(x)	12.3	(x)	1.5	(x)	5.4	(x)	1.0	(x)	5.9	(x)	
VA	35.1	112.3	32.3	-	23.6	4.5	10.1	3.3	2.0	16.8	.9	
WV	10.9	42.1	9.4	-	5.8	4.6	5.5	1.1	.8	3.8	2.7	
NC	27.9	127.9	24.9	10.0	17.5	23.0	11.0	3.0	2.5	15.5	1.1	
SC	21.9	66.2	18.9	-	15.3	10.0	4.6	2.0	1.5	7.9	3.8	
GA	27.1	112.7	24.1	.9	21.5	43.8	8.1	7.3	1.7	19.0	6.5	
FL	27.0	188.0	24.8	14.8	24.0	37.3	7.9	12.4	2.8	42.5	6.4	
<b>E. So. Cent.</b>	88.4	281.2	75.2	3.9	44.5	54.7	18.6	30.8	4.7	40.0	18.2	
KY	21.2	83.2	17.5	-	7.8	7.2	6.5	2.8	1.7	8.0	4.2	
TN	24.9	76.6	22.8	-	13.6	16.2	5.0	6.6	1.1	14.8	5.0	
AL	25.9	67.4	22.0	-	13.8	17.4	4.1	6.8	.9	11.0	4.2	
MS	14.4	53.7	13.0	3.9	9.8	13.9	3.0	4.8	1.0	8.2	2.6	
<b>W. So. Cent.</b>	187.4	548.9	125.1	20.7	84.7	73.6	28.2	32.4	6.8	80.8	27.7	
AR	13.1	43.9	10.8	-	7.5	5.3	3.5	3.2	.8	5.4	2.3	
LA	28.2	83.5	23.5	1	24.0	11.7	6.8	6.1	1.2	14.7	5.2	
OK	21.4	52.6	19.4	-	11.0	8.3	3.6	5.6	1.6	10.3	6.7	
TX	74.7	358.6	71.4	20.6	41.9	48.3	14.2	17.4	2.9	50.5	11.8	
<b>Int.</b>	80.5	240.6	74.8	8.3	25.4	28.4	18.7	14.4	4.7	40.8	8.8	
MT	4.8	18.4	4.2	.2	1.5	1.3	1.8	1.4	.3	2.0	1.0	
ID	5.5	18.8	5.1	.6	2.0	2.8	1.7	1.4	.3	2.6	.8	
WY	2.8	14.3	2.3	1.4	1.5	3.7	1.7	.9	.3	1.9	.6	
CO	19.9	69.2	19.1	1.0	6.9	7.8	2.9	4.3	.9	11.1	.9	
NM	12.5	28.4	11.9	-	5.8	2.5	2.6	1.6	.7	4.6	1.7	
AZ	16.5	58.4	14.4	5.0	2.7	4.3	2.8	2.9	1.6	10.2	2.0	
UT	14.8	29.7	13.6	-	4.0	1.3	1.8	1.4	.5	3.9	1.5	
NV	4.1	13.5	3.9	-	1.1	4.6	1.3	.7	.3	4.5	.8	
<b>Pac.</b>	158.5	567.4	132.4	53.8	82.2	94.9	28.5	28.4	13.7	115.8	13.8	2
WA	26.7	67.3	27.1	-	10.8	7.5	5.5	5.0	1.3	12.8	5.1	
OR	12.4	54.9	11.6	5.3	6.4	3.7	3.2	3.1	1.1	8.3	3.2	
CA	88.8	435.4	84.6	48.4	39.4	82.9	15.8	18.8	10.9	89.0	2.7	2
AK	6.9	9.8	3.5	-	.8	.7	.3	.6	.5	1.5	1.1	
HI	21.7	-	5.6	-	4.9	.2	.8	1.2	-	4.2	1.0	

Represents zero. X Not applicable. <sup>1</sup> For State government, represents police protection only.

Source: U.S. Bureau of the Census, 1982 Census of Governments, Vol. 8, No. 4, Historical Statistics on Governmental Finances and Employment, and Public Employment, series GE, No. 1, annual.

# **66. STATE AND LOCAL GOVERNMENT EMPLOYMENT AND AVERAGE EARNINGS—BY STATE:** 1980 AND 1985

(For October. For composition of regions, see fig. 1, inside front cover)

REGION, AND STATE	TOTAL EMPLOYMENT (1,000)				FULL-TIME EMPLOYMENT PER 10,000 POPULATION <sup>2</sup>				AVERAGE OCTOBER EARNINGS <sup>3</sup> (dol.)			
	State		Local <sup>1</sup>		State		Local <sup>1</sup>		State		Local <sup>1</sup>	
	1980	1985	1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
<b>United States</b>	<b>3,753</b>	<b>3,994</b>	<b>9,982</b>	<b>8,986</b>	<b>126</b>	<b>128</b>	<b>329</b>	<b>317</b>	<b>1,379</b>	<b>1,936</b>	<b>1,329</b>	<b>1,986</b>
<b>North Atlantic</b>												
New England	703	777	2,096	2,085	120	129	337	332	1,367	2,028	1,423	2,026
Middle Atlantic	984	986	2,548	2,491	112	111	316	311	1,422	1,921	1,347	1,837
New York	1,322	1,421	3,017	3,165	141	136	335	331	1,221	1,911	1,114	1,609
North Carolina	762	818	1,897	1,964	127	120	323	303	1,827	2,228	1,536	2,190
<b>South Atlantic</b>												
South Atlantic	221	246	482	460	144	147	304	299	1,381	1,814	1,384	1,879
Florida	23	25	44	44	151	154	277	272	1,266	1,661	1,083	1,451
Georgia	19	21	34	36	140	136	273	254	1,230	1,618	1,083	1,549
Louisiana	12	13	16	19	204	197	247	242	1,251	1,688	1,083	1,536
Mississippi	69	94	250	216	130	132	343	301	1,214	1,941	1,483	1,954
Alabama	69	25	27	26	201	181	252	233	1,326	1,866	1,443	2,119
Arkansas	69	62	109	107	143	155	277	273	1,320	2,086	1,454	1,971
<b>East North Central</b>												
East North Central	483	537	1,616	1,615	112	123	346	366	1,413	2,074	1,434	2,096
Illinois	231	266	605	606	119	144	361	411	1,432	2,195	1,480	2,182
Indiana	102	105	331	319	111	116	365	348	1,415	2,057	1,407	2,003
Michigan	149	144	420	390	102	95	278	261	1,379	1,814	1,333	1,848
<b>West North Central</b>												
West North Central	643	634	1,785	1,729	104	109	314	305	1,468	1,996	1,400	1,889
Wisconsin	153	151	445	426	96	95	310	307	1,321	1,848	1,299	1,273
Minnesota	91	95	215	217	108	114	307	296	1,369	1,916	1,121	1,569
Iowa	166	155	483	472	99	95	315	306	1,451	2,026	1,485	1,951
Missouri	161	166	397	389	112	112	312	302	1,620	2,159	1,600	2,139
Nebraska	63	76	225	222	111	111	328	315	1,580	2,012	1,402	1,900
<b>South West</b>												
South West	321	332	783	763	133	131	329	309	1,335	1,779	1,216	1,712
Texas	73	75	199	183	119	113	332	299	1,577	2,273	1,401	1,878
New Mexico	55	59	130	130	132	137	329	311	1,361	1,944	1,286	1,615
Arizona	77	74	194	185	121	116	312	292	1,231	1,540	1,112	1,651
California	17	19	34	35	176	176	262	276	1,322	1,769	1,309	1,673
Nevada	16	17	31	33	164	169	296	296	1,244	1,576	994	1,361
Oregon	33	34	62	79	157	169	361	351	1,151	1,426	1,207	1,662
Idaho	50	54	113	116	146	146	361	344	1,309	1,654	1,082	1,607
<b>Mountain</b>												
Mountain	646	699	1,324	1,324	145	136	343	325	1,340	2,132	1,147	1,699
Montana	17	21	18	16	251	252	250	236	1,265	1,744	1,197	1,642
Wyoming	67	69	173	160	164	156	332	287	1,306	1,912	1,429	2,102
Utah	(x)	(x)	53	52	(x)	(x)	721	752	(x)	(x)	1,775	2,477
Colorado	114	119	201	212	163	155	306	300	1,240	1,799	1,186	1,686
New Mexico	47	43	65	66	193	181	296	302	1,066	1,460	1,081	1,517
Arizona	102	107	247	257	139	139	343	316	1,296	1,850	1,091	1,581
Nevada	68	74	114	120	186	178	303	296	1,234	1,659	978	1,420
Oregon	95	96	254	266	145	134	390	375	1,183	1,730	985	1,454
Idaho	118	139	399	429	101	97	326	326	1,242	1,662	1,177	1,705
<b>Pacific</b>												
Pacific	296	280	548	538	146	147	319	297	1,183	1,667	1,036	1,435
Washington	70	71	114	114	157	153	247	249	1,179	1,606	1,106	1,486
Oregon	74	79	180	171	129	131	337	305	1,172	1,688	1,084	1,499
California	76	80	150	148	152	156	324	304	1,280	1,678	1,013	1,466
Alaska	46	50	104	107	145	154	332	342	1,052	1,426	903	1,236
<b>West South Central</b>												
West South Central	497	451	946	1,047	134	132	336	339	1,213	1,785	1,106	1,592
Texas	45	44	80	82	153	149	296	282	1,087	1,656	927	1,292
Louisiana	84	108	155	167	187	185	329	319	1,163	1,667	1,022	1,470
New Mexico	66	72	116	124	165	161	319	316	1,190	1,724	1,029	1,489
Oklahoma	200	229	592	674	109	109	361	368	1,272	1,884	1,168	1,674
<b>North West</b>												
North West	242	263	499	529	163	149	328	314	1,418	1,954	1,399	1,955
Alaska	22	21	35	36	179	173	334	305	1,335	1,816	1,180	1,689
Washington	19	19	39	42	126	126	301	296	1,353	1,777	1,106	1,487
Oregon	11	13	29	32	177	186	415	447	1,470	1,920	1,287	1,844
California	59	62	129	140	126	113	339	329	1,586	2,320	1,320	1,900
Nevada	42	42	46	53	240	208	317	316	1,262	1,714	1,136	1,582
Arizona	42	53	120	130	129	109	347	318	1,405	2,034	1,461	2,055
Idaho	32	37	55	69	164	169	262	245	1,415	1,792	1,263	1,795
Montana	15	16	32	37	136	136	336	320	1,466	1,965	1,401	2,053
<b>South West</b>												
South West	530	565	1,411	1,436	117	112	321	299	1,726	2,362	1,518	2,319
New Mexico	64	97	156	162	158	148	302	286	1,526	1,981	1,555	2,073
Arizona	55	58	117	113	149	137	321	296	1,397	1,900	1,402	1,880
California	310	328	1,107	1,124	92	92	332	307	1,867	2,556	1,842	2,366
Nevada	16	26	16	23	369	402	367	355	2,065	3,004	2,301	3,211
Idaho	43	48	13	13	354	354	123	111	1,403	1,782	1,395	1,965

placeable. <sup>1</sup> Estimates subject to sampling variation, see source and Appendix III. <sup>2</sup> 1980 based on enumerated population as of April 1, 1985 estimated resident population as of July 1. <sup>3</sup> For full-time employees.

U. S. Bureau of the Census, Public Employment, series GE, No. 1, annual.

## No. 467. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS: 1960 TO 1985

[For October. Includes only those school systems operated as part of the city government. Represents average for period of intervals shown; for 1960, change from 1955. 1972, 1977, and 1982 based on complete census of all cities; other years based on sample and subject to sampling variation. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLLS (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE		FULL-TIME EQUIVALENT EMPLOYMENT (1,000)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dollars)	
	Total	Excl. education	Total	Excl. education	All employees	October payroll	Total	Education	Other	Education	Other
1960	1,862	1,438	583	471	3.3	7.1	1,447	225	1,222	502	287
1965	1,884	1,500	818	648	2.2	7.0	1,638	282	1,356	609	480
1970	2,244	1,815	1,361	1,062	3.6	10.7	1,822	360	1,463	836	681
1971	2,273	1,838	1,462	1,167	1.3	8.9	1,980	388	1,594	876	735
1972	2,375	1,918	1,654	1,302	4.5	11.6	2,029	379	1,650	951	782
1973	2,471	1,982	1,855	1,441	4.0	12.2	2,109	402	1,707	1,045	848
1974	2,481	2,009	1,965	1,580	.8	7.0	2,127	405	1,722	1,080	908
1975	2,506	2,074	2,129	1,725	.6	7.3	2,142	376	1,767	1,130	972
1976											
1978	2,443	2,021	2,236	1,804	-2.5	5.0	2,107	380	1,747	1,207	1,095
1977	2,511	2,064	2,416	1,969	2.8	8.0	2,188	368	1,812	1,280	1,097
1978	2,511	2,066	2,537	2,069	(2)	5.1	2,185	361	1,824	1,341	1,148
1979	2,553	2,121	2,729	2,215	1.7	7.6	2,180	364	1,825	1,414	1,231
1980	2,561	2,130	2,842	2,403	.3	7.8	2,185	380	1,806	1,501	1,308
1981	2,489	2,056	3,222	2,840	-3.6	9.5	2,111	346	1,765	1,686	1,500
1982	2,398	2,015	3,428	2,981	-2.9	8.4	2,086	317	1,770	1,791	1,825
1983	2,423	2,051	3,640	3,069	1.1	8.2	2,080	300	1,780	1,982	1,738
1984	2,434	2,070	3,872	3,286	.4	6.4	2,080	300	1,780	2,035	1,831
1985	2,487	2,102	4,191	3,538	1.4	8.2	(NA)	(NA)	(NA)	2,117	1,889

NA Not available. Z Less than .05 percent.

Source: U.S. Bureau of the Census, *Census of Governments, 1972, 1977, and 1982, Vol. 3, No. 2, Compendium of Public Employment, and City Employment*, series GE, No. 2, annual.

## No. 465. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS—ALL CITIES AND CITIES WITH 50,000 POPULATION OR MORE, BY FUNCTION: 1960 TO 1984

[For October]

ITEM	EMPLOYEES (1,000)						OCTOBER PAYROLLS (mil. dol.)					
	All cities <sup>1</sup>			Cities with 50,000 population or more <sup>2</sup>			All cities <sup>1</sup>			Cities with 50,000 population or more <sup>2</sup>		
	1960	1963	1984	1960	1963	1984	1960	1963	1984	1960	1963	1984
Total	2,881	2,423	2,434	1,546	1,546	1,589	2,842	3,494	3,872	2,182	2,688	2,887
Full-time	2,071	1,973	2,007	1,437	1,390	1,376	2,626	3,494	3,731	2,111	2,688	2,788
Part-time	499	450	427	208	196	182	116	146	141	71	80	68
Full-time equivalent	2,166	2,009	2,066	1,469	1,434	1,423	(X)	(X)	(X)	(X)	(X)	(X)
Education <sup>3</sup>	380	300	300	304	255	251	539	501	684	483	511	589
Percent of total	17	15	14	20	16	16	18	14	18	21	19	20
Instructional staff	285	219	222	224	189	186	436	473	482	376	418	467
Others	94	80	78	80	66	64	102	108	112	87	93	88
Highways	121	116	121	81	50	61	141	176	186	77	102	113
Public welfare	41	43	44	38	39	40	47	69	71	45	64	67
Hospitals	131	129	123	87	85	84	143	192	188	111	136	146
Health	35	34	34	32	31	31	47	57	59	44	53	54
Police protection	385	389	373	224	228	229	550	713	761	389	479	512
Fire protection	180	189	181	130	129	130	300	394	421	218	289	307
Sewerage	60	61	64	32	33	35	74	96	106	44	55	62
Sanitation	104	92	91	63	55	55	118	134	137	61	93	95
Parks and recreation	103	95	87	73	65	67	116	139	149	84	99	108
Housing, urban renewal	44	43	43	38	38	38	57	72	78	51	65	70
Correction	18	21	24	17	20	23	27	42	50	26	41	48
Libraries	34	34	38	25	27	27	38	47	53	28	37	39
Financial administration	69	67	68	38	38	37	88	105	113	51	62	67
General control	112	106	117	68	61	64	147	188	207	95	115	125
Local utilities <sup>4</sup>	209	215	219	139	145	149	306	408	431	225	303	327
Water supply	83	95	95	50	52	52	118	150	181	70	81	81
Electric power	44	48	48	34	38	28	87	93	105	41	61	71
Trunk	66	67	66	32	34	35	115	150	155	110	145	150
All other functions	171	142	141	127	101	100	208	232	246	169	174	185

X Not applicable. <sup>1</sup> Data are estimates subject to sampling variation; see source and Appendix B. <sup>2</sup> Based on 1980 population. <sup>3</sup> City-operated schools and colleges only. <sup>4</sup> Includes gas supply, not shown below.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.



## 10. CITY GOVERNMENT EMPLOYMENT AND PAYROLL—SELECTED LARGE CITIES: 1980 TO 1985

Notes: See text, section 9. See footnote 3, table 457, for those areas representing city/county consolidated governments.

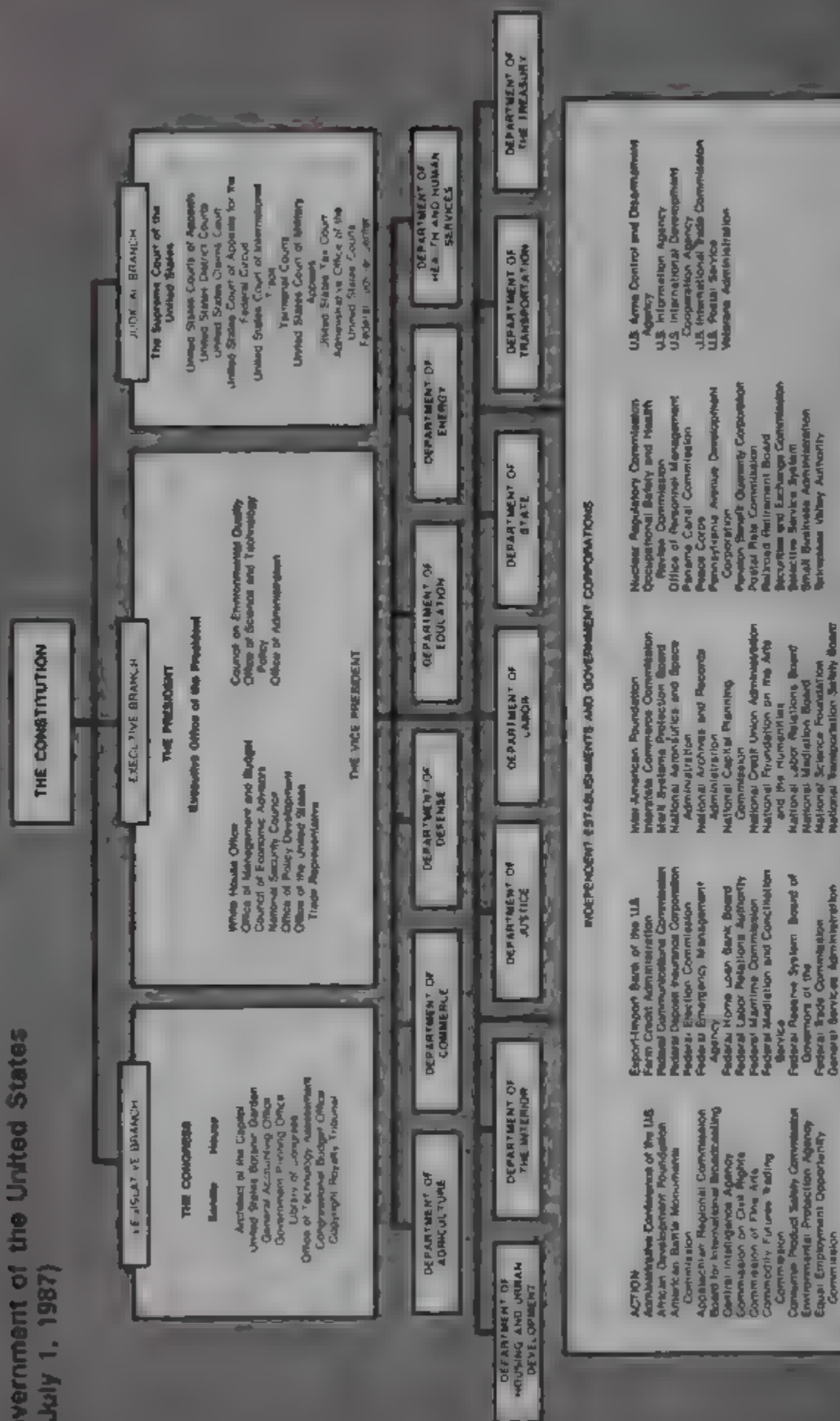
CITY BY POPULATION-SIZE, 1984	TOTAL EMPLOYMENT (1,000)			FULL-TIME EMPLOYMENT						OCTOBER PAYROLL (mil. dol.)		AVERAGE EARNINGS IN OCTOBER, FULL- TIME EMPLOYEES (dol.)	
				Total (1,000)			Per 10,000 population <sup>1</sup>						
	1980	1984	1985	1980	1984	1985	1980	1985	1980	1985	1980	1985	
NY <sup>1</sup>	364	374	363	302	322	336	427	474	504	636	1,567	2,341	
San, CA	42	42	43	40	41	42	136	136	73	118	1,808	2,798	
IL	47	45	46	44	43	43	148	145	71	88	1,569	2,036	
TX	18	20	21	17	19	21	107	121	26	41	1,499	1,919	
Pa, PA	33	33	33	31	32	31	186	189	51	70	1,611	2,213	
IL	22	18	20	21	18	19	172	177	40	43	1,652	2,192	
IL	14	15	15	14	14	14	153	152	20	28	1,465	1,945	
CA	8	8	8	7	7	8	83	80	12	18	1,773	2,218	
AZ	9	10	10	9	9	9	114	104	14	22	1,517	2,347	
Mo, TX	10	12	13	10	12	12	125	143	13	23	1,282	1,877	
MI	9	9	9	9	8	8	115	103	12	17	1,401	1,986	
MO <sup>2</sup>	44	34	31	36	29	29	488	376	47	98	1,172	1,832	
San, CA	21	24	25	21	24	25	310	346	37	65	1,761	2,639	
IN	13	11	12	12	11	11	170	156	13	18	1,098	1,536	
CA	4	5	5	4	4	4	59	81	7	12	1,714	2,685	
TN <sup>3</sup>	25	27	28	21	22	19	329	287	29	37	1,335	1,824	
DC <sup>4</sup>	45	42	44	39	36	39	611	633	73	100	1,761	2,429	
WI	10	9	9	9	9	9	144	140	15	20	1,631	2,226	
FL	11	9	9	11	8	8	202	136	11	17	1,031	2,083	
IA <sup>5</sup>	28	21	21	24	19	21	405	360	35	41	1,388	2,014	
OH	8	7	7	7	6	6	118	110	12	13	1,486	1,967	
San, LA	13	11	11	12	11	11	221	197	11	16	1,919	1,802	
OH	10	9	9	9	8	8	158	155	13	16	1,480	2,050	
IL	13	11	12	12	11	11	238	216	18	26	1,540	2,326	
IA	10	10	10	9	8	8	177	171	77	23	1,630	2,605	
TX	5	5	5	4	4	4	104	95	3	7	942	1,529	
Davidson, TN <sup>6</sup>	18	17	18	17	16	16	370	350	22	31	1,295	1,856	
St. MO	7	7	8	6	7	7	144	163	9	15	1,366	1,964	
City, OK	5	5	5	4	4	4	102	104	8	8	1,323	1,849	
MO	13	11	9	12	9	8	274	181	16	15	1,279	1,896	
IA	8	8	8	8	8	7	185	172	10	13	1,230	1,777	
IL, TX	5	5	5	4	5	5	122	115	5	9	1,198	1,820	
PA	6	6	6	6	6	6	126	126	8	12	1,116	2,113	
IL	8	9	10	6	9	9	176	239	10	20	1,515	2,088	
CA	5	5	5	4	4	5	125	120	7	12	1,678	2,530	
IL	4	4	4	4	4	4	124	124	5	5	1,184	1,184	
OH	4	4	4	4	4	4	115	105	6	6	1,590	2,590	
San, LA	7	7	6	6	6	6	168	149	10	13	1,527	2,230	
CA	4	5	5	4	5	5	102	126	3	8	908	1,829	
OR	5	5	5	4	4	4	111	113	8	10	1,918	2,301	
AZ	4	4	5	4	4	4	123	119	6	9	1,474	2,027	
San, MN	5	5	5	5	4	4	121	121	9	11	1,821	2,468	
CA	4	4	4	4	4	4	104	102	7	10	2,011	2,700	
San, NM	4	6	6	4	5	5	128	144	4	10	1,135	1,849	
IL	4	3	3	3	3	3	95	81	6	7	1,758	2,334	
IV <sup>7</sup>	14	12	12	12	10	10	338	295	18	22	1,475	2,155	
IE	3	3	3	3	3	3	88	80	5	7	1,884	2,405	
NC	4	4	4	4	4	4	124	116	5	7	1,280	1,818	
NJ <sup>8</sup>	12	15	15	12	15	15	372	450	17	28	1,387	1,886	
Rich, VA <sup>9</sup>	10	10	11	9	8	10	338	315	11	17	1,204	1,710	
Mo, CA	3	3	3	3	3	3	113	93	6	8	1,762	2,489	
KY	5	5	5	5	4	5	179	158	7	7	1,358	1,534	
CS	3	3	3	3	3	3	106	95	4	5	1,327	1,871	
IA <sup>10</sup>	11	11	11	10	9	9	373	331	12	17	1,885	1,885	
San, AL	4	4	4	4	3	3	126	119	5	6	1,333	1,783	
IL	5	4	4	4	4	4	157	139	5	7	1,178	1,656	
IA	3	3	3	2	2	2	106	87	4	6	1,807	2,363	
MIN	4	3	3	3	3	3	118	108	6	6	1,734	2,486	
Irrel, TX	3	3	3	3	3	3	121	118	3	5	942	1,728	
Spring, CO	4	4	5	3	4	4	152	189	5	9	1,445	2,155	
NY <sup>11</sup>	10	8	9	8	7	7	340	307	14	18	1,630	2,320	
burg, FL	3	3	3	3	3	3	132	111	4	5	1,173	1,904	
CA	2	3	3	2	2	2	87	78	3	6	1,618	2,785	
IL	3	3	3	3	3	3	121	121	4	5	1,509	1,893	

<sup>1</sup> on 1980 enumerated population as of April 1 and 1984 estimated population as of July 1. <sup>2</sup> Includes city-operated university and secondary schools. <sup>3</sup> Includes city-operated university or college. <sup>4</sup> 1982 data. <sup>5</sup> 1979 data. <sup>6</sup> 1983 data. <sup>7</sup> 1984 data. <sup>8</sup> 1978 data. <sup>9</sup> Includes 1982 education data. <sup>10</sup> 1977 data. <sup>11</sup> Noneducation data are for 1984. <sup>12</sup> Effective 1983, city no longer has dependent schools. <sup>13</sup> Noneducation data for 1984.

Source: U.S. Bureau of the Census, City Employment, series GE, No. 2, annual.

Figure 10.1

# The Government of the United States (As of July 1, 1987)





## Section 10

# Federal Government Finances and Employment

Section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principles of fiscal data are *The Budget of the United States Government* and related documents, issued annually by the Office of Management and Budget (OMB), and the Department of the Treasury's *United States Government Annual Report* and its Appendix. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. The personnel data relating to employment and payroll for the various public functions and agencies, to employee characteristics, to civil service status; they are published by the Office of Personnel Management and the Department of Labor Statistics (see p. 290). The primary source for data on public lands is *Public Lands*, published annually by the Bureau of Land Management, Department of the Interior. Data on privately owned land and real property are collected by the General Services Administration and published in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*.

**Unified budget concept.**—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other revenues for use in carrying out specific purposes or programs in accordance with the terms of the agreement or statute. Fund balances include both cash balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. In recent years, the totals, under provisions of law, have excluded some Federal activities—including the Federal Reserve Bank, the Postal Service, the Synthetic Fuels Corporation, and the lending activities of the Federal Home Loan Bank Board. The Balanced Budget and Emergency Deficit Control Act of 1985 (P.L. 99-177) repealed the off-budget status of these entities and placed social security (Federal Old-Age and Survivors Insurance and the Federal Disability Insurance trust funds) off-budget.

Since social security is now off-budget and, by law, excluded from coverage of the congressional budget resolutions, it continues to be a Federal program. Data showing unified budget totals of receipts and outlays that incorporate social security are presented in the 1986 Budget for FY 1986 to 1992; more detailed tables generally show data since 1976.

**Receipts arising from the Government's sovereign powers** are reported as governmental receipts; receipts, i.e., from business-type or market-oriented activities, are offset against outlays. Governmental receipts are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

**Debt concept.**—For most of U.S. history, the total debt consisted of debt borrowed by the Federal Government (i.e., public debt). The present debt series, however, includes both public debt and agency debt. *Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is covered by a statutory debt limitation, currently \$2.4 trillion through August 17, 1987, and includes only borrowing by the Treasury.

**Receipts and outlays.**—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition. Under the Constitution, money may be withdrawn from the Treasury unless appropriated by the Congress.

Day-to-day cash operations of the Federal Government clearing through the accounts of the Treasury are reported in the *Daily Treasury Statement*. Extensive detail on the public debt is provided in the *Monthly Statement of the Public Debt of the United States*.

**Receipts and outlays.**—Receipts such as taxes, customs duties, and miscellaneous receipts, which are collected by various government agencies, and outlays represented by checks issued and cash payments made by government officers as well as government agencies are reported in the *Monthly Treasury Statement of Receipts and Outlays of the United States Government* and in the Treasury's *United States Government Annual Report* and its Appendix. These receipts in, and payments from, accounts maintained by Government agencies are on the same basis as the unified budget.

The quarterly *Treasury Bulletin* contains data on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

**Income tax returns and tax collections.**—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service* gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's annual *Statistics of Income* reports present detailed data from individual income tax returns and corporation income tax returns. The quarterly *Statistics of Income Bulletin* has, in general, replaced the incorporated business supplemental *Statistics of Income* publications which presented data on such diverse subjects as local area data for individuals as well as data from fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

**Employment and payroll.**—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency, the National Security Agency, and the Defense Intelligence Agency. Employment figures represent the number of persons who occupied civilian positions at the end of the report month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment.

Federal payrolls include all payments for personal services rendered during the report month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a biweekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap.

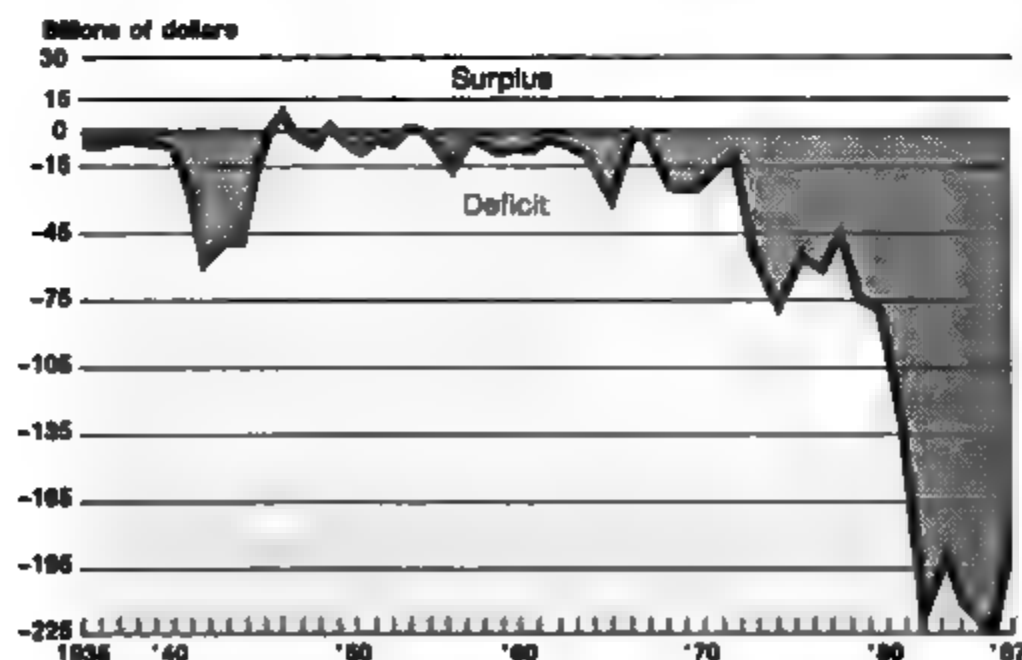
Federal employment and payroll figures are published by the Office of Personnel Management in its *Monthly Release of Federal Civilian Workforce Statistics*. It also publishes biennial employment data for minority groups, and data on occupations of white- and blue-collar workers; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white collar; wage system primarily blue collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its *Monthly Labor Review* and in *Employment and Earnings* and by the Bureau of the Census in its annual *Public Employment*.

**Public lands.**—The data on applications, entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1870*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Figure 10.2  
Federal Budget Surplus or Deficit: 1935 to 1987



Source: Chart prepared by U. S. Bureau of the Census. For data see table 470.

## NO. 470. FEDERAL BUDGET—SUMMARY, 1945 TO 1987

[In billions of dollars, unless otherwise noted.] Percent. For fiscal years ending in year shown see text, section 8. The Balanced Budget and Emergency Deficit Control Act of 1985 put all the previously off-budget Federal budget and moved Social Security off-budget. Minus sign (-) indicates deficit or decline. See also *Historical Statistics, Current Times to 1970*, series Y 539-545.]

YEAR	RECEIPTS			OUTLAYS					SURPLUS OR DEFICIT (-)			Out-stand- ing gross debt <sup>1</sup>	AVERAGE ANNUAL PERCENT CHANGE <sup>2</sup>				PERCENT OF GNP <sup>3</sup>			Out- left off- budget at
	Total <sup>1</sup>	Fed- eral funds	Trust funds	Total <sup>1</sup>	Fed- eral funds	Trust funds	Human re- sources	Nation- al de- fense	Total <sup>1</sup>	Fed- eral funds	Trust funds		Re- ceipts	OUTLAYS			Out- stand- ing gross debt	Human re- sources	Nation- al de- fense	
														Total	Fed- eral funds	Trust funds				
1945	45.2	41.9	3.6	92.7	94.6	6.6	1.9	53.0	47.6	-53.0	4.3	280.1	3.2	1.5	2.8	+27.5	43.6	3.9	39.1	122.5
1950	39.4	35.3	3.5	42.6	38.4	5.1	14.2	13.7	-3.1	-3.1	-1.6	254.9	-2.7	14.4	-16.6	-3	16.0	6.3	6.1	96.3
1955	65.5	56.2	9.1	69.4	62.3	7.1	26.2	48.1	-3.0	-4.2	-3	274.4	10.7	10.0	10.2	-3	17.7	3.9	11.1	71.0
1960	62.5	75.6	7.8	92.2	74.9	8.1	26.2	48.1	3	3	-3	290.9	7.2	6.1	3.7	21.9	18.2	5.2	8.5	57.4
1961	64.4	75.2	9.4	97.7	78.4	9.0	26.8	49.8	-3.3	-4.2	-4	292.9	2.0	6.0	6.0	10.7	18.9	5.8	8.6	56.5
1962	69.7	79.7	9.9	106.6	86.5	6.9	31.6	52.3	7.1	-6.8	1.0	303.3	5.6	9.3	9.0	-8	19.2	5.7	8.4	54.4
1963	108.6	84.0	10.8	111.3	90.6	8.1	33.5	53.4	4.9	-6.6	2.7	310.8	8.9	4.2	4.7	-8.9	18.9	5.7	8.1	52.9
1964	112.6	87.5	11.2	118.5	96.1	9.2	35.3	54.8	-6.9	-8.6	2.0	316.8	5.7	6.5	6.0	12.8	18.8	5.6	8.7	50.3
1965	116.8	90.9	11.5	118.2	94.9	9.2	36.6	50.6	-1.4	-3.9	2.3	323.2	3.7	-3	-1.3	9	17.6	5.4	7.5	48.0
1966	130.8	101.4	12.9	134.5	106.6	10.8	43.3	59.1	-3.7	-5.2	2.1	329.5	12.0	13.8	12.4	18.6	18.2	5.9	7.9	44.6
1967	146.9	111.8	16.5	157.5	127.5	13.4	51.3	71.4	-8.6	-16.7	3.1	341.3	13.7	17.0	19.7	24.3	18.7	6.5	9.0	43.0
1968	153.0	114.7	17.6	178.1	143.1	16.9	59.4	81.9	26.2	-28.4	8	369.8	2.6	13.1	12.2	26.2	21.0	7.0	8.6	43.5
1969	186.9	143.3	20.1	183.6	146.2	15.7	66.4	82.5	3.2	-4.9	4.4	367.1	22.2	3.1	3.6	7.4	19.6	7.1	8.9	39.5
1970	182.8	143.2	22.3	196.6	166.3	17.8	75.3	81.7	-2.8	13.2	4.5	382.6	3.2	8.5	5.5	13.6	19.6	7.6	6.3	38.6
1971	197.1	133.8	26.0	210.2	163.7	22.2	81.9	78.9	33.0	29.9	3.8	409.6	-2.9	7.4	4.7	24.6	19.9	6.7	7.5	38.6
1972	207.3	148.8	28.4	230.7	178.1	25.5	107.2	78.2	-23.4	-28.3	2.9	437.3	10.6	9.8	8.8	15.0	20.0	9.3	6.9	37.9
1973	230.9	161.4	41.2	246.7	187.0	30.9	118.5	76.7	-14.9	-26.7	10.3	468.4	11.3	8.5	5.0	21.0	19.2	9.3	6.0	36.6
1974	263.2	181.2	46.1	268.4	201.4	33.9	135.6	79.3	-8.1	-20.1	12.2	486.2	14.0	9.5	7.7	9.7	19.0	9.6	5.6	34.3
1975	278.1	187.5	51.0	332.3	248.2	45.6	173.2	86.5	-53.2	-60.7	5.4	544.1	6.0	23.4	23.2	34.4	21.8	11.4	5.7	35.7
1976	298.1	201.1	61.8	371.9	277.2	58.2	203.6	89.6	-73.7	-78.1	5.6	631.9	6.6	11.9	11.7	23.3	21.9	12.0	5.3	37.2
1977	312.2	214.1	73.3	399.5	294.5	68.9	221.9	92.2	-53.6	-12.6	-5	646.4	14.7	14.7	14.7	23.3	21.9	11.8	5.0	36.0
1978	355.6	241.3	70.3	409.2	304.5	56.9	221.9	97.2	-53.6	-12.6	-5	709.1	16.3	10.1	9.8	13	21.2	11.5	5.0	36.7
1979	398.8	270.5	78.9	466.7	342.4	59.9	242.3	104.5	59.2	-71.9	17.0	780.4	12.4	12.1	12.4	6.2	21.1	11.2	4.8	35.9
1980	463.3	316.4	86.0	503.5	374.9	66.7	267.6	116.3	40.2	-68.5	20.3	833.8	16.0	9.8	9.5	9.6	20.8	10.8	4.8	34.1
1981	517.1	350.9	94.7	580.9	433.5	84.8	313.4	134.0	-73.6	-82.8	9.9	914.3	11.8	17.4	15.8	28.1	22.1	11.7	5.0	34.2
1982	599.3	410.4	106.0	678.2	496.2	94.2	362.0	157.5	-78.9	-85.8	11.8	1,003.9	15.9	14.6	14.5	11.1	22.7	12.1	5.3	33.6
1983	617.8	409.3	122.1	745.7	543.4	107.9	388.7	185.3	-127.9	-134.2	14.2	1,147.0	3.1	10.0	9.5	14.8	23.8	12.4	5.9	36.5
1984	600.6	382.3	147.3	608.3	613.2	124.4	426.0	209.9	207.6	-230.8	22.9	1,361.9	-2.8	6.5	12.8	13.3	24.3	12.8	6.3	41.6
1985	866.5	419.6	158.1	851.8	837.6	126.4	432.0	227.4	185.3	-218.2	32.6	1,576.7	11.0	5.2	4.0	4	23.1	11.7	6.2	42.8
1986	734.1	459.5	197.5	948.3	725.9	152.7	471.6	252.7	-212.3	-266.4	44.8	1,827.2	10.1	11.1	13.8	22.3	24.0	12.0	6.4	46.4
1987	789.1	473.5	205.9	989.8	756.5	161.4	481.6	273.4	-320.7	-283.0	45.5	2,132.9	4.8	4.6	4.3	5.7	23.8	11.6	6.6	61.2
1987, and	842.4	526.1	215.1	1,015.6	789.1	164.8	500.5	282.2	-173.2	-243.0	50.3	2,372.4	9.5	2.6	1.7	2.1	23.0	11.3	6.4	53.7

X Not applicable. <sup>1</sup> Includes off-budget receipts, outlays, and interfund transactions. <sup>2</sup> End of fiscal year. See text, section 10 for discussion of deficit concept. <sup>3</sup> For explanation of average annual percent change, see Guide to Tabular Presentation. <sup>4</sup> Gross national product as of fiscal year; for calendar year GNP, see table 871. <sup>5</sup> Change from 1944; from previous year shown for all other years. <sup>6</sup> Represents transition quarter, July-Sept.

Sources: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

## NO. 471. FEDERAL RECEIPTS BY SOURCE AND OUTLAYS BY FUNCTION: 1970 TO 1987

[In billions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections; outlays stated terms of checks issued or cash payments. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and not held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335-338, Y 343-351, and Y 41-487 for related data.]

SOURCE OR FUNCTION	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.	PERCENT DISTRIBUTION	
											1980	86
Surplus or deficit (-)	-2.8	-53.2	-73.8	-78.8	-127.8	-307.8	-186.9	-312.3	-288.7	-173.2	(X)	
BY SOURCE												
Total receipts <sup>1</sup>	192.8	279.1	517.1	599.3	617.8	900.6	986.8	734.1	786.1	842.4	100.00	100
Individual income taxes	90.4	122.4	244.1	285.9	297.7	288.9	298.4	334.5	348.0	364.0	47.20	43
Corporation income taxes	32.8	40.8	84.6	81.1	49.2	37.0	56.8	81.3	63.1	104.8	12.48	12
Social insurance taxes and contributions	44.4	84.5	157.8	182.7	201.5	209.0	239.4	265.2	283.9	301.5	30.52	26
Employment taxes and contributions	39.1	75.2	138.7	163.0	180.7	185.8	209.7	234.6	255.1	273.2	28.83	22
Unemployment insurance	3.5	8.8	18.3	18.8	18.8	18.8	25.1	25.8	24.1	23.8	2.97	2
Contributions for other insurance and retirement	1.8	2.8	3.7	4.0	4.2	4.4	4.8	4.8	4.7	4.4	.72	
Excise taxes	15.7	18.6	24.3	40.8	36.3	36.3	37.4	35.0	32.9	32.8	4.70	3
Estate and gift taxes	3.6	4.8	6.4	6.8	6.0	6.1	6.0	6.4	7.0	8.0	1.24	
Customs duties	2.4	3.7	7.2	8.1	8.9	8.7	11.4	12.1	13.3	14.4	1.39	1
Miscellaneous receipts	3.4	6.7	12.7	13.8	16.2	15.6	17.0	18.5	18.9	19.1	2.47	2
Federal Reserve earning deposits	2.3	5.8	11.8	12.8	18.2	14.6	18.7	17.1	18.4	18.8	2.38	1
BY FUNCTION												
Total outlays <sup>1</sup>	196.6	332.3	680.9	678.2	746.7	808.3	861.8	948.3	986.8	1,015.8	100.00	100
National defense <sup>1</sup>	61.7	86.6	134.0	187.8	186.3	308.8	227.4	352.7	273.4	362.2	22.80	27
Dept. of Defense, military	60.2	85.9	131.0	183.8	180.7	204.4	220.8	245.4	265.6	274.2	22.16	27
Atomic energy defense activities	1.4	1.5	2.9	3.4	4.3	5.2	6.1	7.1	7.4	7.4	.48	
Defense related activities	1	.9	1	.3	.3	.3	.5	.3	.3	.6	.02	
International affairs <sup>1</sup>	4.3	7.1	12.7	13.1	12.3	11.8	15.9	16.2	14.2	14.6	2.16	1
International development and humanitarian assistance	2.3	3.1	3.6	4.1	3.8	4.0	4.6	5.4	6.0	4.4	.61	
Conduct of foreign affairs	.4	.7	1.4	1.3	1.6	1.8	1.9	2.1	2.3	2.7	.23	
Foreign information and exchange	.2	.3	.5	.5	.6	.6	.7	.8	.9	1.0	.08	
International financial programs activities	.3	.4	2.4	2.0	.9	-1.1	.9	-1.5	-4.5	-2.1	.41	-
International security assistance	1.1	2.6	4.8	5.1	6.4	6.6	7.9	9.4	10.6	6.6	.81	
Income security	15.8	38.2	88.5	88.7	107.7	122.6	112.7	128.2	119.8	124.9	14.84	28
General retirement and disability insurance	1.0	4.7	5.1	5.4	5.8	5.6	5.4	5.6	5.3	5.5	.88	
Federal employee retirement and disability	5.5	13.2	28.8	31.3	34.3	38.5	38.1	38.6	41.4	43.6	4.90	4
Housing assistance	.5	2.1	5.8	7.8	8.7	10.0	11.3	25.3	12.4	12.9	.96	1
Food and nutrition assistance	1.0	6.6	14.0	16.2	16.6	18.0	18.1	18.5	18.6	18.4	2.37	1
Other income security	4.3	10.1	17.2	19.4	19.8	21.1	21.4	22.7	24.4	25.5	2.91	2
Unemployment insurance	3.4	13.5	18.0	19.7	23.7	31.5	18.4	17.5	17.8	18.0	3.06	1
Health	8.9	12.9	23.2	28.9	27.4	28.6	30.4	33.6	36.8	38.7	3.92	3
Health care services	4.0	8.5	18.0	21.2	21.8	23.0	24.5	27.0	28.9	28.8	2.05	3
Health research	1.1	1.9	3.4	3.8	3.9	4.0	4.4	4.9	5.4	5.9	.59	
Education and training of health care workforce	.6	.9	.7	.8	.7	.8	.4	.5	.5	.6	.12	
Consumer and occupational health and safety	.2	.6	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	.17	
Social Security and Medicare	38.5	77.6	188.8	178.7	202.6	223.3	236.8	254.4	288.8	379.5	28.48	27
Social Security	30.3	64.7	118.5	139.6	156.0	170.7	179.2	188.8	198.8	207.9	20.08	20
Medicare	8.2	12.9	22.1	39.1	46.6	52.6	57.6	65.6	70.2	71.6	6.43	7
Veterans benefits and services <sup>1</sup>	8.7	16.8	31.2	33.0	24.0	24.8	28.8	28.3	28.4	28.7	3.89	3
Income security	5.5	7.9	11.7	12.9	13.7	14.3	14.4	14.7	15.0	15.1	1.98	1
Education, training, and rehabilitation	1.0	4.8	2.3	2.3	1.8	1.6	1.4	1.1	.5	.4	.40	
Hospital and medical care	1.8	3.7	6.5	7.0	7.5	8.3	8.9	9.5	9.9	10.3	1.10	1
Housing	.1	(2)	(-2)	.2	1	(0)	.2	.2	1	1	(0)	
Education, training, employment, and social services <sup>1</sup>	6.8	18.0	31.8	33.7	27.0	28.8	27.8	29.3	28.8	28.8	6.39	1
Elementary, secondary, and vocational education	2.9	4.4	8.9	7.2	6.8	6.9	6.5	7.6	7.8	7.8	1.17	
Higher education	1.4	2.2	6.7	6.9	7.2	7.2	7.4	8.2	8.4	7.5	1.14	
Research and general education aids	.4	.9	1.2	1.0	1.0	1.1	1.2	1.1	1.2	1.4	.20	
Training and employment	1.8	4.1	10.8	8.2	5.5	5.3	4.8	5.0	5.3	5.0	1.79	
Social services	2.3	4.4	6.1	6.8	6.0	6.1	7.2	6.7	7.2	7.5	1.03	

See footnotes at end of table.



## 471. FEDERAL RECEIPTS BY SOURCE AND OUTLAYS BY FUNCTION: 1970 TO 1987—Con.

[In billions of dollars. See headnote, p. 292]

OR FUNCTION	1970	1975	1980	1981	1982	1982	1984	1980	1986	1987, est.	PERCENT DISTRIBUTION	
											1986	1987
and housing	2.1	9.9	8.4	5.2	6.3	8.7	9.9	4.2	4.4	9.9	1.99	.92
credit and thrift	.1	6.0	5.6	4.7	4.0	3.9	3.8	.9	1.9	5.5	.95	.54
to Postal	1.5	3.0	1.2	1.4	.2	1.1	1.2	1.4	.8	1.8	.21	.18
merce	.5	1.0	2.5	2.1	2.1	1.7	1.9	2.0	1.8	2.0	.43	.20
tion <sup>1</sup>	7.0	10.9	21.3	23.4	30.6	21.3	23.7	25.6	23.1	27.0	3.81	2.96
ansportation	4.7	7.0	15.3	17.1	14.3	14.3	16.2	17.6	16.7	17.9	2.58	1.76
ortation	1.4	2.4	3.7	3.8	3.5	4.0	4.4	4.9	5.3	5.3	.63	.52
reportation	.9	1.4	2.2	2.4	2.7	3.0	3.0	3.2	4.0	3.7	.38	.37
ources and	3.1	7.8	13.6	13.6	13.6	12.7	13.6	13.4	13.6	19.9	2.35	1.36
ment <sup>1</sup>	1.5	2.6	4.2	4.1	3.9	3.9	4.1	4.1	4.0	4.2	.71	.41
ources	.4	.7	1.0	1.2	1.1	1.5	1.3	1.5	1.4	1.6	.18	.16
tion and land	.4	.8	1.7	1.6	1.4	1.5	1.6	1.6	1.5	1.6	.28	.16
ment	.4	2.5	5.5	5.2	5.0	4.3	4.0	4.5	4.8	4.5	.93	.45
nal resources	.4	.8	1.4	1.5	1.5	1.5	1.6	1.7	1.9	1.9	.24	.19
ontrol and	1.0	2.8	10.2	15.2	13.6	8.4	7.1	5.7	4.7	3.3	1.72	.37
ent	.9	2.4	8.4	10.2	8.3	6.1	3.3	2.6	2.8	1.9	1.42	.19
ural resources	-	(Z)	.6	.7	.5	.5	.5	.5	.5	.4	.10	.04
ly preparedness	-	(Z)	.3	3.3	3.9	1.9	2.5	1.8	.8	.7	.06	.07
n, policy, and	.1	.4	.9	1.0	.9	.9	.8	.7	.8	.7	.15	.07
on	2.4	4.5	11.3	16.6	6.3	7.8	7.7	7.7	7.2	5.2	1.89	.91
and regional	1.4	2.3	4.9	5.1	4.6	4.4	4.5	4.6	4.1	4.3	.83	.42
ly development	.7	1.6	4.3	3.6	3.8	3.2	3.0	3.1	2.7	1.9	.73	.19
regional devel-	.3	.4	2.0	1.7	-.1	(-Z)	.1	(-Z)	.4	(-Z)	.35	(-Z)
elief and	5.2	3.0	6.6	11.3	15.8	22.6	13.0	30.6	31.4	31.1	1.89	3.06
ce	4.6	2.2	7.4	9.8	14.3	21.3	11.9	23.8	29.6	29.2	1.28	2.87
<sup>1</sup>	.6	.9	1.4	1.5	1.6	1.6	1.7	1.8	1.8	1.9	.24	.19
me stabilization	14.4	28.2	92.8	99.7	95.0	95.3	111.1	130.4	195.0	137.8	3.06	13.54
and services	.4	7.2	6.6	9.9	8.4	6.6	5.8	8.4	8.4	1.8	1.45	.19
	-	6.1	6.8	5.1	4.6	4.6	4.6	4.6	5.1	.1	1.16	.01
ence, space,	4.5	4.0	5.8	6.6	7.2	7.9	6.3	6.6	9.9	9.5	.99	.94
thnology <sup>2</sup>	.9	1.0	1.4	1.5	1.6	1.6	1.6	2.0	2.2	2.3	.23	.22
cience and	2.3	1.7	2.6	3.1	3.5	4.1	4.0	4.0	3.8	4.3	.44	.42
research	1.2	1.3	1.9	1.9	2.1	2.2	2.4	2.6	3.0	2.9	.31	.29
ht	1.9	3.2	4.4	4.5	4.5	4.5	5.1	5.2	5.1	6.6	.75	.67
cience, applica-	.3	.6	1.0	1.0	1.2	1.2	1.3	1.4	1.4	1.7	.16	.16
ed technology	(Z)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.02	.01
vernment <sup>1</sup>	.9	1.9	2.6	2.6	2.6	3.1	3.3	3.5	3.6	4.5	.44	.44
functions	.6	.4	.3	.1	.2	.2	.2	.1	.5	(Z)	.06	(Z)
ent, direction	1.0	3.0	4.5	4.5	4.7	5.1	5.7	6.6	6.6	6.3	.78	.82
ical operations	.6	1.3	2.2	2.4	2.5	2.9	3.2	3.5	3.6	4.6	.38	.46
roperty and	.2	6	1.3	1.5	1.5	1.6	1.8	2.1	2.2	2.6	.23	.25
management	.1	.2	.3	.4	.4	.4	.5	.5	.6	.8	.06	.07
tion of justice	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
sw enforcement	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
idicial activities <sup>3</sup>	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
directional	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
s	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
justice	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
ice	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
ed offsetting	-6.6	-13.6	-19.9	-28.0	-39.1	-34.0	-32.0	-32.7	-33.5	-37.1	-3.37	-3.06
s	-6.4	-11.2	-15.8	-17.9	-19.8	-23.5	-25.3	-27.2	-28.3	-31.3	-2.68	-3.06
share, employ-	-2	-2.4	-4.1	-10.1	-6.3	-10.5	-6.7	-5.5	-4.7	-3.9	-.68	-.38
ment	-2	-2.4	-4.1	-10.1	-6.3	-10.5	-6.7	-5.5	-4.7	-3.9	-.68	-.38
royalties <sup>4</sup>	-2	-2.4	-4.1	-10.1	-6.3	-10.5	-6.7	-5.5	-4.7	-3.9	-.68	-.38

ents zero. X Not applicable. Z Less than \$50 million. <sup>1</sup> Totals reflect interfund and intragovernmental  
and/or other functions, not shown separately. <sup>2</sup> Includes supporting space activities. <sup>3</sup> Includes litigative  
<sup>4</sup> Includes sale of major assets (-1.9), not shown separately. <sup>5</sup> On Outer Continental Shelf.

U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.



## NO. 472. FEDERAL BUDGET OUTLAYS IN CURRENT AND CONSTANT (1962) DOLLARS: 1965 TO 1987

[For fiscal years ending in year shown; see text, section 8. Given the inherent imprecision in deflating outlays, the data shown in constant dollars present a reasonable perspective—not precision. The deflators and the categories that are deflated are as comparable over time as is feasible. See headnote, table 470. Minus sign indicates decline]

YEAR	CURRENT DOLLARS						CONSTANT (1962) DOLLARS					
	Total	National defense	Total non-defense <sup>1</sup>	Payments for individuals <sup>2</sup>	Net interest <sup>3</sup>	Aid to State and local govt.	Total	National defense	Total non-defense <sup>1</sup>	Payments for individuals <sup>2</sup>	Net interest <sup>3</sup>	Aid to State and local govt.
<b>TOTAL OUTLAYS (bil. dol.)</b>												
1965	118.2	50.6	67.6	33.1	8.6	10.9	394.9	181.4	213.5	92.7	25.4	35.4
1970	195.6	81.7	114.0	64.7	14.4	24.0	609.4	225.6	283.8	152.2	34.7	81.1
1971	210.2	78.9	131.3	80.4	14.8	28.1	509.4	202.7	306.7	181.0	34.0	86.7
1972	230.7	79.2	151.5	92.9	15.5	34.3	627.6	190.9	336.7	200.1	33.8	77.1
1973	245.7	76.7	169.0	104.5	17.3	41.8	527.5	175.1	352.4	215.7	35.9	86.7
1974	299.4	79.3	190.0	120.1	21.4	43.3	528.7	183.3	365.3	228.3	41.1	84.5
1975	332.3	86.5	245.8	153.5	23.2	49.7	586.0	169.8	426.2	266.8	40.4	87.0
1976	371.8	88.6	282.2	180.1	26.7	58.0	609.8	153.8	456.2	291.7	43.0	86.1
1976, TQ <sup>4</sup>	96.0	22.3	73.7	45.4	8.9	15.8	152.4	37.1	115.3	71.2	10.8	25.1
1977	409.2	97.2	312.0	198.3	29.9	68.3	622.6	154.3	468.3	295.5	44.6	103.8
1978	456.7	104.5	354.2	211.0	35.4	77.8	652.2	155.0	497.1	296.8	49.4	108.7
1979	503.5	116.3	387.1	232.8	42.6	82.8	680.2	159.1	501.0	301.8	54.7	106.6
1980	590.8	134.0	456.8	277.5	52.5	91.4	699.1	164.0	535.1	324.7	62.0	105.8
1981	676.2	157.5	520.7	323.4	66.7	94.7	726.5	171.4	555.2	344.3	73.7	100.8
1982	745.7	185.3	560.4	358.7	85.0	88.1	745.7	185.3	560.4	358.7	85.0	88.2
1983	806.3	209.9	596.4	395.3	99.8	92.4	776.5	201.3	575.1	378.8	86.1	86.7
1984	851.8	227.4	624.4	399.8	111.1	97.5	799.9	211.5	578.4	388.7	102.8	80.0
1985	946.3	252.7	693.6	425.6	129.4	105.7	848.0	228.7	619.3	378.3	115.6	88.6
1986	999.8	273.4	716.4	448.0	136.0	112.2	886.2	242.1	624.1	388.4	117.9	86.3
1987, est.	1015.8	282.2	733.5	465.3	137.5	109.7	862.3	242.6	619.7	392.2	115.6	81.4
<b>PERCENT DISTRIBUTION</b>												
1965	100.0	42.8	57.2	28.0	7.3	9.2	100.0	45.9	54.1	23.5	6.4	8.8
1970	100.0	41.8	58.2	33.1	7.4	12.3	100.0	44.3	55.7	28.9	6.6	12.0
1971	100.0	37.5	62.5	38.3	7.1	13.3	100.0	39.8	60.2	35.5	6.7	13.1
1972	100.0	34.3	65.7	40.3	6.7	14.9	100.0	36.2	63.8	37.9	6.4	14.8
1973	100.0	31.2	68.8	42.5	7.1	17.0	100.0	33.2	66.8	40.9	6.8	18.8
1974	100.0	29.6	70.5	44.6	8.0	18.1	100.0	30.9	69.1	43.2	7.8	18.0
1975	100.0	26.0	74.0	48.2	7.0	14.9	100.0	27.3	72.7	45.4	6.9	14.8
1976	100.0	24.1	75.9	48.4	7.2	15.9	100.0	25.2	74.8	47.8	7.1	15.8
1976, TQ <sup>4</sup>	100.0	23.2	76.8	47.3	7.2	16.6	100.0	24.3	75.7	48.7	7.1	16.6
1977	100.0	23.8	76.2	48.0	7.3	16.7	100.0	24.6	75.2	47.6	7.2	16.8
1978	100.0	22.8	77.2	48.0	7.7	17.0	100.0	23.8	76.2	45.8	7.6	16.8
1979	100.0	23.1	76.9	48.3	8.5	16.4	100.0	24.1	75.9	45.7	8.3	16.1
1980	100.0	22.7	77.3	47.0	8.8	15.5	100.0	23.5	76.5	46.4	8.9	15.1
1981	100.0	23.2	76.8	47.7	10.1	13.9	100.0	23.8	76.4	47.4	10.1	13.8
1982	100.0	24.8	75.1	47.8	11.4	11.8	100.0	24.8	75.1	47.8	11.4	11.8
1983	100.0	25.9	74.0	48.8	11.4	11.4	100.0	25.9	74.1	48.8	11.1	11.4
1984	100.0	26.7	73.3	48.9	13.0	11.4	100.0	26.8	73.2	48.7	13.0	11.4
1985	100.0	26.7	73.3	45.0	13.7	11.2	100.0	27.0	73.0	44.7	13.8	11.0
1986	100.0	27.6	72.4	39.7	13.7	11.4	100.0	27.9	72.1	45.0	13.8	11.1
1987, est.	100.0	27.8	72.2	40.2	13.5	10.8	100.0	28.1	71.9	45.5	13.4	10.8
<b>AVERAGE ANNUAL PERCENT CHANGE</b>												
1965-1970	10.8	10.1	11.0	14.4	10.9	17.2	5.2	4.5	5.9	10.4	6.4	11.5
1970-1971	7.4	-3.5	15.2	24.3	3.2	16.8	-	10.2	8.1	18.9	-2.0	8.2
1971-1972	9.8	.4	15.4	15.5	4.3	22.3	3.6	-5.8	9.8	10.8	-1.2	18.8
1972-1973	6.5	-3.1	11.8	12.5	12.1	21.7	-(2)	-8.3	4.7	7.8	6.8	15.8
1973-1974	9.8	3.5	12.4	14.9	23.8	3.8	.2	-6.7	3.7	5.8	14.5	-4.7
1974-1975	23.4	9.0	29.4	27.8	8.4	14.8	10.8	-2.1	16.7	18.4	-1.7	3.8
1975-1976	11.8	3.6	14.8	17.3	14.9	18.7	4.1	-3.9	7.0	8.7	6.4	10.5
1976-1977	10.1	8.5	10.6	9.0	11.9	15.8	2.1	.5	2.7	1.3	3.7	7.7
1977-1978	12.1	7.5	13.6	7.6	18.6	13.9	4.8	.5	8.1	.4	10.8	6.0
1978-1979	9.8	11.3	9.8	10.4	20.2	6.3	1.2	2.6	.8	1.6	10.7	-2.8
1979-1980	17.4	15.2	18.0	19.2	23.2	10.4	5.9	3.1	6.8	7.7	13.3	-8
1980-1981	14.8	17.6	14.0	16.5	30.9	3.8	3.9	4.5	3.8	6.0	18.8	-4.8
1981-1982	10.0	17.6	7.8	10.3	23.7	-5.9	2.6	8.1	.9	3.8	15.3	-12.3
1982-1983	8.5	13.3	6.5	10.8	5.8	4.0	4.1	8.4	2.7	6.3	1.3	.8
1983-1984	5.2	8.9	4.1	1.1	23.7	5.5	1.6	4.8	.5	-2.8	19.0	1.8
1984-1985	11.1	11.1	11.1	6.6	16.5	8.5	7.3	7.7	7.1	8.0	12.5	3.8
1985-1986	4.8	8.2	3.3	5.3	5.1	8.1	.5	2.3	-2	1.4	6.8	2.8
1986-1987	2.8	3.2	2.4	3.8	1.1	-2.2	-5	.2	-7	.7	-2.0	-5.8

Represents zero. <sup>2</sup> Less than .05 percent. <sup>1</sup> Includes other items not shown separately. <sup>3</sup> Includes small grants to State and local governments. <sup>4</sup> Total interest less interest received by trust funds. <sup>5</sup> Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

D. 473. FEDERAL TRUST FUND RECEIPTS, OUTLAYS, AND BALANCES: 1970 TO 1987

*in* dollars. For fiscal year ending in year shown; see text, section 9. Receipts based on collections received and Outlays stated on a checks-issued basis, less refunds collected. Balances: That portion of funds authorized for use not been spent. See text, section 10 for discussion of the budget concept and trust funds]

TYPE OF FUND	1970	1975	1980	1982	1982	1984	1980	1980	1987, est.
Receipts <sup>1</sup> .....	58.4	118.6	213.0	288.4	317.4	338.1	383.9	407.2	428.2
Trust funds .....	31.7	68.7	117.4	148.0	172.5	181.1	200.3	200.2	214.0
Social Security trust funds.....	11.9	16.9	35.7	55.2	63.1	68.3	75.5	81.4	90.4
Employees retirement funds.....	4.7	11.5	24.5	32.0	34.9	36.8	40.9	43.3	45.4
Federal insurance funds.....	4.1	8.2	16.2	20.5	31.6	29.9	26.6	26.1	25.6
Other trust funds .....	5.5	6.8	7.6	7.8	9.4	12.9	14.3	14.7	14.9
Employees retirement funds.....	1.7	2.6	4.4	4.9	6.3	8.4	9.1	9.9	9.4
Federal sales trust funds.....	.8	4.4	7.7	11.8	13.2	11.2	9.8	10.7	8.9
Federal highway trust funds.....	—	1.1	2.3	.7	2.7	3.0	3.6	3.6	3.9
Federal fiscal assistance trust funds <sup>2</sup> .....	—	6.2	6.9	4.6	4.6	4.6	4.8	4.2	(NA)
Federal insurance funds.....	.8	.9	1.1	1.2	1.2	1.3	1.3	1.4	1.4
Federal loans <sup>1</sup> .....	45.1	111.2	205.1	282.2	294.3	305.2	329.5	344.9	388.3
Outlays .....	27.3	64.7	116.6	156.0	172.3	180.9	191.0	199.8	208.5
Social Security trust funds.....	10.1	14.8	35.0	50.4	58.9	62.7	71.4	75.9	76.2
Employees retirement funds.....	2.8	7.1	14.9	19.7	21.0	22.1	23.3	24.3	26.8
Federal insurance funds.....	3.6	13.2	16.4	24.3	32.7	26.1	23.8	21.8	20.3
Other trust funds .....	4.4	4.8	9.2	8.0	8.8	10.6	13.3	14.8	13.6
Federal sales trust funds.....	1.0	3.5	6.6	12.0	12.4	10.9	9.8	9.7	9.4
Employees retirement funds.....	1.8	3.1	4.7	5.4	6.8	5.7	7.9	6.1	6.6
Federal highway trust funds.....	—	.6	1.2	1.5	1.8	1.4	2.6	2.4	2.6
Federal insurance funds.....	.8	.8	1.0	1.0	1.0	1.0	1.0	1.1	1.1
Federal fiscal assistance trust funds <sup>4</sup> .....	—	6.1	6.8	4.6	4.6	4.6	4.6	5.1	.1
Federal loans <sup>1</sup> .....	97.3	142.6	192.4	268.4	228.4	261.4	315.8	378.3	447.8
Employees retirement funds.....	22.5	36.8	74.3	97.3	111.2	125.9	143.5	162.5	181.1
Federal funds .....	32.6	48.2	32.3	19.3	32.0	32.2	39.8	45.9	65.4
Social Security trust funds.....	7.8	11.3	19.0	26.7	20.4	26.0	32.0	46.1	60.4
Federal trust fund.....	(x)	(x)	(x)	(x)	(x)	—	11.4	23.7	37.0
Federal insurance trust fund.....	13.1	7.4	14.9	10.7	10.0	13.9	16.7	22.9	28.3
Federal funds .....	5.5	6.9	15.5	19.7	21.1	22.3	25.3	26.1	22.5
Federal funds .....	2.6	9.6	11.0	9.0	9.6	11.8	12.9	12.8	14.0
Federal insurance funds.....	7.1	7.7	8.5	8.8	9.1	9.4	9.7	10.0	10.3
Federal highway trust fund.....	—	2.0	5.4	3.9	4.8	6.4	7.4	6.6	10.0
Employees retirement accounts.....	4.8	4.3	2.7	1.3	.5	3.1	4.2	6.0	6.8
Federal sales trust fund.....	.5	2.1	5.2	4.6	5.3	5.6	5.5	6.5	6.0
Federal funds (nonrevolving) .....	.6	.7	1.7	2.8	3.3	3.4	3.9	4.8	5.9
Federal fiscal assistance trust funds.....	—	1.7	1.8	1.3	1.2	1.2	1.2	.3	(Z)

into zero. NA Net available. X Not applicable. Z Less than \$50 million. <sup>1</sup> After deductions for sections, proprietary receipts from public, receipts from off-budget Federal agencies, and receipts and outlays from not shown separately. <sup>2</sup> Old-age, survivors, and disability insurance. <sup>3</sup> Deposits for general revenue sharing. <sup>4</sup> for general revenue sharing.

S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

D. 474. EXECUTIVE CONTROLLABILITY OF FEDERAL BUDGET OUTLAYS: 1970 TO 1987

*in* dollars, except percent. For fiscal years ending in year shown; see text, section 9. Outlays considered relatively controllable are those which can neither be increased nor decreased by Presidential decisions without a change in existing law or are beyond administrative control, such as benefit payments that beneficiaries are entitled to by law or agreement or other existing legally binding commitments. This table is based on a Presidential perspective]

OUTLAYS	1970	1975	1980	1982	1980	1984	1980	1980	1987, est.
Outlays.....	195.6	332.3	580.9	745.7	808.3	851.5	946.3	800.6	1,015.8
Uncontrollable outlays.....	129.3	222.2	413.8	641.4	583.5	624.1	688.4	745.4	771.0
Percent of total outlays.....	61.5	68.9	70.0	72.6	73.4	73.3	72.9	75.3	75.9
Federal programs and fixed costs <sup>1</sup> .....	78.3	168.9	310.7	419.9	464.8	478.8	527.2	564.1	585.8
Federal programs for individuals <sup>1</sup> .....	60.1	139.5	246.6	320.1	353.8	357.4	380.5	402.6	419.3
Security and railroad retirement .....	30.7	67.3	120.0	157.4	171.8	179.3	189.9	199.9	208.9
Federal care.....	9.4	20.6	47.2	65.6	73.5	79.9	91.0	97.8	101.6
Federal employees' retirement and insurance <sup>2</sup> .....	8.7	18.4	34.7	44.4	47.3	49.0	49.8	52.9	55.8
Federal food and nutrition assistance.....	(x)	1.6	3.5	3.0	3.3	3.6	3.7	3.8	4.2
Federal assistance and related programs.....	6.4	12.2	17.5	19.5	20.9	21.0	22.2	24.5	25.8
Federal employment assistance .....	3.1	12.8	16.8	22.1	29.7	16.9	16.1	16.3	16.6
Federal outlays.....	14.4	23.2	52.5	85.0	69.8	111.1	129.4	136.0	137.5
Federal supports <sup>3</sup> .....	3.8	.6	2.8	11.7	18.9	7.3	17.7	25.8	25.3
Federal contracts and obligations <sup>4</sup> .....	41.9	53.3	103.2	121.5	128.7	145.3	162.2	181.3	185.2
Controllable outlays.....	63.8	113.3	178.7	208.9	228.0	243.0	264.1	272.7	275.8
Federal outlays.....	57.6	64.2	97.4	128.2	141.4	147.8	160.5	165.4	188.1
Federal programs.....	28.3	49.1	81.3	78.6	84.5	95.2	123.6	107.3	107.7
Federal employer share, employee .....	—8.4	—11.2	—15.8	—19.6	—23.5	—25.3	—27.2	—28.3	—31.3

Not applicable. <sup>1</sup> Includes other outlays not shown separately. <sup>2</sup> Includes items previously classified in the veterans' program. <sup>3</sup> Prices from Commodity Credit Corporation. <sup>4</sup> Excludes prior year contracts and obligations for items included programs and fixed costs.

S. Office of Management and Budget, *Budget of the United States Government, 1988 Supplement*.

**NO. 475. REVENUE LOSSES ESTIMATES FOR SELECTED "TAX EXPENDITURES" BY FUNCTION:  
1975 TO 1987**

[In millions of dollars. For years ending Sept. 30. Tax expenditures are defined as "revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of liability." Represents tax expenditures of \$1 billion or more in 1987]

DESCRIPTION	1975	1980	1980	1980	1987
<b>National defense:</b>					
Exclusion of benefits and allowances to Armed Forces personnel.....	650	1,470	1,955	2,085	2,050
<b>International affairs:</b>					
Exclusion of income earned abroad by United States citizens .....	130	555	1,405	1,480	1,555
<b>General science, space, and technology:</b>					
Expensing of research and development expenditures.....	635	1,795	3,590	680	1,220
Credit for increasing research activities .....	(NA)	(NA)	1,665	680	1,845
<b>Natural resources and environment:</b>					
Exclusion of interest on State and local IDB's for pollution control and sewage and waste disposal facilities.....	110	635	1,250	1,680	1,735
<b>Commerce and housing credit:</b>					
Exclusion of interest on small issue industrial development bonds.....	175	430	475	2,775	2,800
Exclusion of interest on life insurance savings.....	1,545	3,490	2,175	6,980	6,130
Deductibility of interest on consumer credit.....	1,185	4,745	15,530	17,945	12,085
Deductibility of mortgage interest on owner-occupied homes.....	5,405	15,615	24,785	30,435	24,920
Deductibility of property tax on owner-occupied homes.....	4,510	7,310	9,315	8,580	8,030
Exclusion of interest on State and local housing bonds for owner-occupied housing.....	(NA)	447	1,680	2,050	2,085
Exclusion of interest on State and local debt for rental housing.....	(NA)	(NA)	755	1,240	1,310
Capital gains (other than agriculture, timber, iron ore and coal).....	5,785	16,130	27,425	31,010	23,425
Deferral of capital gains on home sales.....	805	1,010	1,775	1,985	2,285
Exclusion of capital gains on home sales for persons age 55 and over.....	40	535	630	925	1,085
Carryover basis of capital gains at death.....	(NA)	4,750	4,355	4,940	5,885
Investment credit, other than ESOP's, rehabilitation of structures, energy property, and reforestation expenditures .....	5,810	18,250	24,445	20,055	14,185
Accelerated depreciation on rental housing.....	520	385	600	2,710	2,870
Accelerated depreciation of buildings other than rental housing .....	440	355	8,010	5,040	5,185
Accelerated depreciation of machinery and equipment.....	(NA)	(NA)	20,145	39,010	32,820
Safe harbor leasing rules.....	(NA)	(NA)	2,340	1,700	1,085
Reduced rates on the first \$100,000 of corporate income.....	(NA)	7,210	5,015	4,655	4,845
<b>Education, training, employment, and social services:</b>					
Parental personal exemption for students age 19 or over.....	670	1,030	1,110	1,220	2,080
Deductibility of charitable contributions (education).....	645	1,080	1,345	1,640	1,340
Credit for child and dependent care expenses.....	295	685	2,700	3,170	3,455
Deduction for two-earner married couples .....	(NA)	(NA)	6,725	6,530	4,875
Deductibility of charitable contributions, other than education and health .....	4,770	6,270	10,175	12,620	9,580
<b>Health:</b>					
Exclusion of employer contributions for medical insurance premiums and medical care .....	3,275	12,075	21,085	23,435	23,305
Deductibility of medical expenses.....	2,315	3,150	3,620	3,755	3,130
Exclusion of interest on State and local debt for private nonprofit health facilities .....	(NA)	425	1,405	2,235	2,415
Deductibility of charitable contributions (health).....	(NA)	1,370	1,615	2,000	1,580
<b>Social Security and medicare:</b>					
Exclusion of Social Security benefits:					
Disability insurance benefits.....	275	690	1,170	1,185	1,145
OASI benefits for retired workers.....	2,740	6,890	12,955	13,275	12,945
Benefits for dependents and survivors.....	450	1,015	3,755	3,905	3,815
<b>Income security:</b>					
Exclusion of workmen's compensation benefits.....	505	2,200	2,225	2,425	2,505
Net exclusion of pension contributions and earnings:					
Employer plans .....	5,225	19,785	48,525	46,950	45,725
Individual Retirement Accounts .....	(NA)	(NA)	12,695	14,890	13,890
Keoghs.....	390	1,925	1,980	2,135	2,079
Exclusion of other employee benefits:					
Premiums on group term life insurance .....	(NA)	(NA)	2,055	2,200	2,129
Additional exemption for elderly.....	740	1,675	3,005	2,750	1,135
<b>Veterans benefits and services:</b>					
Exclusion of veterans disability compensation.....	540	1,065	1,695	1,700	1,695
<b>General purpose fiscal assistance:</b>					
Exclusion of interest on public purpose State and local debt.....	3,805	4,925	8,080	9,590	10,220
Deductibility of nonbusiness State and local taxes other than on owner-occupied homes.....	6,490	14,680	21,455	23,985	18,809
Tax credit for corporations receiving income from doing business in United States possessions.....	(NA)	905	1,680	1,895	1,855

NA Net available.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

## NO. 476. FEDERAL BUDGET OUTLAYS, BY AGENCY: 1970 TO 1987

(In billions of dollars. For fiscal year ending in year shown; see text, section 8)

DEPARTMENT OR OTHER UNIT	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.
<b>Total</b>	<b>195.8</b>	<b>332.3</b>	<b>606.8</b>	<b>678.2</b>	<b>745.7</b>	<b>808.3</b>	<b>861.8</b>	<b>946.3</b>	<b>998.5</b>	<b>1,015.8</b>
Legislative branch	.4	.7	1.2	1.2	1.4	1.4	1.6	1.6	1.7	2.1
The Judiciary	1	.3	.6	.6	.7	.8	.9	1.0	1.1	1.2
Executive Office of the President <sup>1</sup>	(2)	1	1	.3	1	1	1	1	1	1
Funds appropriated to President <sup>2</sup>	2.6	3.9	6.1	6.6	8.1	8.1	11.1	12.1	11.4	11.8
<b>Departments:</b>										
Agriculture	8.4	15.5	34.5	41.6	45.7	52.4	42.0	55.5	59.7	66.1
Commerce	.6	1.1	3.1	2.3	2.1	1.9	1.9	2.1	2.1	2.4
Defense	84.3	94.1	146.1	170.7	199.7	223.3	240.4	264.1	285.9	296.1
Education	4.7	7.6	14.8	17.1	14.6	14.6	15.5	16.7	17.7	18.8
Energy	2.4	3.2	6.5	11.7	11.6	10.6	11.0	10.6	11.0	10.6
Health and Human Services	47.7	104.2	194.2	228.7	253.1	278.7	292.2	315.5	333.9	348.1
Housing and Urban Development	2.4	7.5	12.7	14.9	15.2	15.6	16.7	20.7	14.1	14.5
Interior	1.1	2.2	4.5	4.5	3.9	4.6	4.9	4.8	4.8	5.2
Justice	.6	2.1	2.8	2.7	2.6	2.6	3.2	3.6	3.5	4.8
Labor <sup>3</sup>	5.1	11.7	29.7	30.1	30.7	36.1	24.5	23.9	24.1	24.5
State	.4	.6	1.9	1.9	2.2	2.3	2.4	2.6	2.9	3.3
Transportation	6.7	10.1	19.8	22.8	20.0	20.6	23.0	25.0	27.4	30.2
Treasury	19.3	41.3	76.5	92.6	110.3	16.4	141.0	164.9	179.2	180.2
<b>Independent agencies:</b>										
Environmental Protection Agency	.4	2.5	5.8	5.2	5.1	4.3	4.1	4.5	4.9	4.5
General Services Administration	.4	.6	.2	.1	1	1	.2	-.2	.2	-.1
National Aeronautics and Space Administration	3.8	3.3	5.0	5.5	6.2	6.9	7.1	7.3	7.4	7.9
Office of Personnel Management	2.7	7.1	15.1	18.1	20.0	21.3	22.6	23.7	24.0	27.7
Small Business Administration	.3	.7	2.0	2.0	.8	.7	.6	.7	.6	1
Veterans Administration	8.7	16.6	21.1	22.9	23.9	24.6	25.6	26.3	26.5	28.8
Other independent agencies	4.9	11.8	15.5	14.1	10.5	11.0	11.7	9.8	11.4	17.9
<b>Indebted offsetting receipts</b>	<b>-12.6</b>	<b>-21.3</b>	<b>-32.0</b>	<b>-41.9</b>	<b>-42.2</b>	<b>-51.1</b>	<b>-52.3</b>	<b>-58.7</b>	<b>-65.0</b>	<b>-71.8</b>

Z. Less than \$50 million. <sup>1</sup> Represents funds used to finance the operations of the various units within the office of the President. <sup>2</sup> Represents international affairs funds mainly; funds are administered by the State Department, U.S. Agency for International Development, and Department of Defense under the direction of the President. <sup>3</sup> Includes Pension Benefit Guaranty Corporation.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

## NO. 477. PUBLIC DEBT AND INTEREST PAID OF THE FEDERAL GOVERNMENT: 1940 TO 1986

For fiscal years ending in year shown; see text, section 9. Total public debt is restricted to borrowing by the Treasury and the value of savings bonds at current redemption value. See table 470 for "gross Federal debt." For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Y 481, 493, and 494.

YEAR	PUBLIC DEBT			INTEREST PAID		YEAR	PUBLIC DEBT			INTEREST PAID	
	Total <sup>1</sup> (bil. dol.)	Average annual percent change <sup>2</sup>	Per cap- ita <sup>3</sup> (dol.)	Total (bil. dol.)	Percent of Federal outlays <sup>4</sup>		Total <sup>1</sup> (bil. dol.)	Average annual percent change <sup>2</sup>	Per cap- ita <sup>3</sup> (dol.)	Total (bil. dol.)	Percent of Federal outlays <sup>4</sup>
1940	43.0	8.4	325	1.0	10.5	1976	620.4	16.4	2,852	37.1	10.0
1945	256.7	43.0	1,848	3.8	4.1	1977	696.8	10.1	3,170	41.9	10.2
1950	258.1	- 1	1,898	5.7	13.4	1978	771.5	10.4	3,483	46.7	10.6
1955	272.8	1.3	1,951	6.4	9.4	1979	826.5	7.1	3,666	50.8	11.9
1960	284.1	.9	1,572	9.2	10.0	1980	907.7	9.8	3,985	74.9	12.7
1965	313.8	2.0	1,813	11.2	9.6	1981	987.9	9.9	4,338	95.6	14.1
1970	370.1	3.3	1,814	18.3	9.9	1982	1,142.0	14.4	4,913	117.4	15.7
1971	387.3	7.4	1,821	21.0	10.0	1983	1,377.2	20.8	5,870	129.5	15.9
1972	426.4	7.3	2,037	21.6	9.4	1984	1,572.3	14.2	6,640	159.8	16.1
1973	457.3	7.2	2,164	24.2	9.8	1985	1,823.1	16.0	7,618	178.9	16.9
1974	474.2	2.7	2,223	29.3	10.9	1986	2,125.3	16.8	8,792	187.1	16.9
1975	533.2	12.4	2,475	32.7	9.8						

<sup>1</sup> Adjusted to exclude nonmarketable issues to the International Monetary Fund and other international institutions for 1960, 1966, 1969, 1985, and 1970-1974. <sup>2</sup> From preceding year shown; for 1940, change from 1935. <sup>3</sup> 1940-1978, based on estimated July 1 population; thereafter, based on October 1 resident population; prior to 1960, excludes Alaska and Hawaii.

<sup>4</sup> Calculated on total expenditures not reduced by interfund transactions representing interest and certain other payments to Treasury through 1960. Beginning 1955, total budget outlays. See table 470.

Source: U.S. Dept. of the Treasury, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances* through fiscal 1980; thereafter, *Monthly Statement of the Public Debt of the United States*, and *Fiscal Monthly Treasury Statement of Receipts and Outlays of the U.S. Government*.

## No. 476. INTEREST-BEARING PUBLIC DEBT OF THE FEDERAL GOVERNMENT: 1970 TO 1986

(In billions of dollars. As of end of fiscal year; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series Y 487 and Y 500-504)

YEAR	Total	MARKETABLE				NONMARKETABLE			
		Total	Bank eligible bonds	Notes	Treasury bonds	Total	U.S. savings bonds	Other	Govt. account series
1970	399.0	232.6	76.2	83.5	83.0	138.4	51.9	8.6	78.9
1975	532.1	315.6	129.6	160.2	38.8	216.5	85.4	28.9	134.2
1976	787.0	485.2	180.9	267.9	58.4	281.8	79.8	48.7	153.3
1979	819.0	506.7	181.4	274.2	71.1	312.3	80.4	55.6	176.4
1980	906.4	594.5	199.8	310.9	83.6	311.9	72.7	49.3	189.9
1981	906.5	683.2	223.4	363.6	96.2	313.3	89.0	44.2	201.1
1982	1,140.9	834.4	277.9	442.9	100.0	316.5	87.3	38.7	210.5
1983	1,375.8	1,024.0	340.7	557.5	100.0	351.8	70.0	47.0	234.7
1984	1,559.8	1,178.6	368.8	681.7	158.1	383.0	72.8	80.6	230.5
1985	1,821.0	1,360.2	384.2	776.4	199.5	400.8	77.0	89.9	313.9
1986	2,122.7	* 1,584.3	410.7	898.9	241.7	558.4	95.8	108.8	365.8
PERCENT DISTRIBUTION									
1970	100.0	63.0	20.7	25.3	17.1	37.0	13.0	2.4	20.7
1980	100.0	65.6	22.0	34.3	9.2	34.4	8.0	5.4	20.9
1985	100.0	74.7	21.1	42.6	11.0	25.3	4.2	3.8	17.2
1986	100.0	* 73.7	19.3	42.3	11.4	26.3	4.0	5.0	17.2

<sup>1</sup> Bank eligible bonds. <sup>2</sup> Comprises Treasury bonds, investment series (all years); Treasury bonds (various); certificates of indebtedness (various); certificates and notes; depositary bonds; U.S. retirement plan bonds; and U.S. savings notes, beginning 1970. <sup>3</sup> 1970 known as U.S. Treasury special issues. <sup>4</sup> Includes Federal Financing Bank, not shown separately.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

## No. 479. FEDERAL SECURITIES—DISTRIBUTION BY CLASS OF INVESTOR: 1970 TO 1986

(In billions of dollars. As of end of fiscal year; see text, section 2. The Export-Import Bank was moved within the budget effective October 1, 1976. Adjustments are made to include totals for the period it was outside the budget (1970-76). Also adjustments are made to reflect certain Export-Import Bank borrowing now classified as agency debt.)

YEAR	Federal securities outstanding, total <sup>1</sup>	INTEREST-BEARING PUBLIC DEBT SECURITIES				YEAR	Federal securities outstanding, total <sup>1</sup>	INTEREST-BEARING PUBLIC DEBT SECURITIES			
		Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks <sup>2</sup>	Held by private investors			Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks <sup>2</sup>	Held by private investors
1970	383	389	95	58	216	1979	834	819	188	116	515
1972	437	425	111	71	243	1980	914	908	186	121	601
1973	488	458	123	75	258	1981	1,004	998	205	124	669
1974	486	473	138	80	255	1982	1,147	1,141	216	134	791
1975	544	532	145	85	302	1983	1,382	1,378	239	155	984
1976	632	619	150	94	375	1984	1,577	1,580	253	156	1,141
1977	709	696	155	* 105	437	1985	1,827	1,821	317	170	1,334
1978	780	767	168	115	484	1986	2,130	2,123	383	191	1,549

<sup>1</sup> Includes agency securities and matured public debt not shown separately.

<sup>2</sup> Public issues.

<sup>3</sup> Includes a nonmarketable Federal Reserve special certificate for \$2,500.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

## No. 480. INTEREST-BEARING GOVERNMENT SECURITIES OUTSTANDING: 1970 TO 1986

(In billions of dollars, except percent. As of end of fiscal year; see text, section 2. Par values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values.)

TYPE OF SECURITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	521	764	988	1,049	1,128	1,247	1,383	1,540	1,823	2,062	2,375	2,689
Tax exempt <sup>1</sup>	139	213	251	273	302	334	380	394	442	488	560	676
Percent of total	26.7	28.2	26.2	26.0	26.8	26.8	28.4	25.6	24.2	23.8	23.2	24.1
Taxable <sup>2</sup>	308	419	588	650	650	723	802	936	1,140	1,304	1,511	1,781
Government account series <sup>3</sup>	76	124	140	153	176	190	201	210	236	260	314	389
By issuer												
U.S. Treasury	369	532	688	767	819	906	998	1,141	1,376	1,580	1,821	2,123
Agency securities <sup>4</sup>	13	11	10	8	7	7	5	5	5	4	4	4
State and local govt. <sup>5</sup>	139	213	261	273	302	334	380	394	442	488	560	676

<sup>1</sup> Source: Board of Governors, Federal Reserve System, unpublished data. <sup>2</sup> Interest is subject to both normal and surtax rates of Federal income tax. <sup>3</sup> Prior to July 1, 1974, known as U.S. Treasury special issues. <sup>4</sup> Excludes securities issued by Federal home loan banks, Federal land banks, Federal National Mortgage Association, Federal intermediate credit banks, and banks for cooperatives. <sup>5</sup> Wholly tax-exempt. Includes industrial pollution control bonds, student loan bonds and nonprofit hospital bonds.

Source: Except as noted, U.S. Dept. of the Treasury, through 1980, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances*; thereafter, *Treasury Bulletin*, quarterly.

NO. 481. FEDERAL PARTICIPATION IN DOMESTIC CREDIT MARKETS: 1978 TO 1986

Units of dollars, except percent. See headnote, table 482. Federal credit programs are primarily in three forms: direct loans from the Federal government, Federal guarantees of private lending, and lending by privately owned Government-sponsored enterprises. [Nonfinancial sectors]

TYPE OF PARTICIPATION	1978	1979	1980	1981	1982	1983	1984	1985	1986
Loans made in U.S. credit markets, excluding equities <sup>1</sup>	378.0	418.7	362.9	410.1	332.3	511.3	703.4	765.0	338.1
Federal and federally assisted lending	56.4	72.9	79.9	86.5	87.6	88.5	79.5	110.3	129.1
Federal participation rate (percent)	15.4	17.4	22.6	21.1	22.3	18.9	11.3	14.4	14.5
Direct loans	19.8	19.6	24.2	26.1	23.4	15.3	6.3	26.0	11.2
Guaranteed loans	13.4	25.2	31.6	26.0	20.9	34.1	20.1	21.6	34.6
Government-sponsored enterprise loans	25.2	26.1	24.1	32.4	43.3	37.1	53.1	60.7	83.3
Loans borrowed in U.S. credit markets <sup>1</sup>	378.0	418.7	362.9	410.1	332.3	511.3	703.4	765.0	338.1
Federal and federally assisted borrowing	93.9	80.7	123.5	142.1	199.7	261.0	246.4	276.8	378.0
Federal participation rate (percent)	24.8	19.3	36.0	34.7	50.9	55.0	35.0	36.2	42.5
Federal borrowing from public	59.1	33.6	70.5	79.3	135.0	212.3	170.8	197.3	236.3
Borrowing for guaranteed loans	13.4	25.2	31.6	26.0	20.9	34.1	20.1	21.6	34.6
Government-sponsored enterprise borrowing	21.4	21.9	21.4	34.6	43.8	34.6	55.5	57.9	107.1

Loans made to and borrowed by nonfinancial sectors, excluding equities.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 482. FEDERAL DIRECT AND GUARANTEED LOANS: 1970 TO 1987

Units of dollars. As of end of fiscal year; see text, section 9. Government guaranteed loans (loans for which the Government guarantees payment of principal or interest in whole or part) are not included in Federal budget outlays. They include contingent liabilities not resulting in outlays, except in event of default. Government direct loans are made by both on-budget and off-budget Federal agencies. See headnote, table 481]

YEAR	DIRECT LOANS <sup>1</sup>			GUARANTEED LOANS <sup>2</sup>		
	Gross (new) loans disbursed	Net loan outlays	Direct loans outstanding	Primary <sup>3</sup>	Net loans	Guaranteed loans outstanding
1970	12.4	3.0	51.1	27.5	8.4	125.1
1971	26.8	12.8	74.1	31.2	8.7	196.3
1972	35.4	11.5	100.7	43.9	14.0	224.0
1973	48.6	19.8	120.5	46.5	13.9	237.9
1974	49.2	19.6	140.5	60.5	26.1	264.6
1975	49.3	24.2	163.9	66.2	32.4	298.5
1976	55.9	26.1	185.0	66.2	26.0	309.1
1977	37.1	23.5	207.8	59.6	20.9	331.2
1978	43.8	15.3	223.0	78.0	34.1	363.8
1979	41.4	6.3	229.3	73.3	20.1	356.7
1980	64.4	26.0	257.4	55.5	21.6	410.4
1981	42.2	11.2	251.6	69.6	34.6	449.6
1982	39.5	-15.2	236.4	124.8	76.4	526.2

Includes loans from "off-budget" Government accounts. <sup>2</sup> Includes capital subscriptions to international financial institutions. Excludes double counting, secondary guaranteed loans and guaranteed loans held as direct loans are excluded. <sup>3</sup> Gross loan less minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on-budget accounts.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 483. U.S. SAVINGS BONDS: 1970 TO 1986

Units of dollars, except percent. As of end of fiscal year; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data]

ITEM	1970	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986
Bonds outstanding, total <sup>1</sup>	51.8	65.5	79.8	80.5	72.7	68.0	67.5	70.3	73.1	77.3	85.8
From sales	4.7	6.8	8.0	7.3	4.8	3.4	3.1	4.0	3.9	5.0	8.3
and discounts	1.0	3.3	4.1	4.3	4.2	4.2	4.9	5.0	5.3	5.2	5.6
Reductions <sup>2</sup>	6.3	6.5	7.7	11.0	16.7	12.3	8.7	6.1	6.1	5.7	5.1
Percent of total outstanding	12.2	10.0	9.7	13.6	23.0	18.0	12.9	8.7	8.3	7.4	6.0

Interest-bearing debt only for amounts and of period or end of year. <sup>2</sup> Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.



No. 484. CONSOLIDATED STATEMENT OF FINANCIAL POSITION OF THE UNITED STATES GOVERNMENT  
1980 TO 1986

[In billions of dollars. As of September 30]

ITEM	1986	1981	1982	1982	1984	1980	11 p
BALANCE SHEET							
Assets, total <sup>1</sup>	580.0	666.5	765.0	863.1	967.3	946.4	1,
Cash and monetary reserves	54.4	59.9	71.2	79.7	72.8	64.6	
Operating cash in the Treasury	21.0	18.7	29.1	37.1	30.4	17.1	
International monetary reserves	16.6	19.7	22.4	26.1	26.3	29.6	
Other cash	16.6	21.5	19.7	16.5	14.1	17.9	
Receivables (net allowances)	146.5	150.2	169.2	182.7	191.3	214.8	
Loans receivable	95.9	103.1	113.0	114.5	114.9	139.6	
Accounts receivable	40.0	41.0	51.2	60.4	66.2	66.2	
Advances and prepayments	10.6	6.1	5.0	7.8	10.2	7.0	
Inventories (at cost) <sup>1</sup>	88.1	113.7	124.5	143.5	151.4	200.5	
Operating consumables	47.9	65.6	60.0	67.1	81.1	96.4	
Stockpiled materials	14.5	19.1	15.6	15.5	16.5	17.5	
Product or service component	25.7	29.0	48.9	60.9	53.8	64.6	
Property and equipment (at cost)	411.7	456.6	520.3	566.3	611.6	656.3	
Military hardware	169.5	206.4	244.8	292.0	330.2	352.4	
Structures, facilities and leasehold improvements	122.0	130.0	140.5	141.9	139.2	156.7	
Equipment	57.3	81.2	84.3	82.0	88.6	93.7	
Construction in progress	28.3	32.4	35.7	37.3	37.5	36.2	
Land	12.1	12.5	10.9	10.5	10.3	13.5	
Other	2.5	3.1	4.1	4.6	5.6	3.6	
Accumulated depreciation	204.0	231.3	257.0	280.4	296.5	314.4	
Deferred charges and other assets	32.5	49.8	68.7	86.1	99.6	130.7	
Liabilities, total	600.6	666.5	765.0	863.1	967.3	946.4	1,
Accrued pension, retirement, and disability plans	2,205.5	2,474.6	<sup>1</sup> 2,745.9	<sup>1</sup> 2,967.5	<sup>1</sup> 3,161.8	3,259.8	2,
Social security	1,241.7	1,430.0	1,616.7	1,776.4	1,911.8	2,059.8	2,
Civilian employees	430.3	464.4	491.9	514.6	537.0	563.0	
Military personnel	348.9	377.8	416.5	444.3	422.3	440.6	
Veterans compensation	174.6	192.7	200.0	223.0	221.8	164.5	
Federal employees compensation	10.0	9.9	10.0	10.8	11.3	11.9	
Borrowing from the public	709.9	784.4	916.8	1,130.4	1,299.5	1,498.8	1,
Accounts payable	81.6	97.8	106.7	143.5	161.5	105.3	
Unearned revenue	17.5	22.8	26.1	26.5	31.8	41.4	
Contingent liabilities for guarantee and insurance programs	8.7	7.6	3.1	2.4	3.5	6.3	
Other liabilities	59.7	59.5	64.0	56.7	58.5	103.8	
Accumulated position and of period	(NA)	(NA)	(NA)	(NA)	1,827.3	2,076.8	2,
Accumulated position beginning of period	(NA)	(NA)	(NA)	(NA)	1,667.5	1,827.9	2,
Current period results	142.4	76.3	127.4	233.6	140.3	247.9	
Current noncash provision for social security	179.6	188.4	188.6	161.7	133.3	148.0	
INCOME STATEMENT							
Revenues, total <sup>1</sup>	967.8	963.7	772.8	760.4	630.5	967.8	
Levied under the Government's sovereign power <sup>1</sup>	521.7	599.8	632.1	606.7	671.4	736.8	
Individual income taxes	244.1	285.6	296.1	288.9	296.0	334.6	
Social insurance taxes and contributions	160.7	183.0	201.1	209.0	241.9	265.2	
Corporate income taxes	63.9	56.7	53.2	39.1	62.3	70.7	
Expenses by object	730.0	772.0	900.2	964.0	1,090.6	1,146.5	1,
Vendor services and supplies	111.9	131.8	210.5	211.3	191.8	(NA)	
Grants, subsidies, and contributions	116.7	124.4	183.7	245.2	185.6	(NA)	
Salaries and employee benefits	96.4	106.6	132.3	91.0	95.4	(NA)	
Pensions, health and life insurance	186.8	126.3	127.6	133.0	115.1	(NA)	
Casualty insurance and indemnities	152.7	175.2	122.5	181.7	274.9	(NA)	
Interest	59.9	78.4	97.7	106.4	129.0	(NA)	
Depreciation	23.6	27.3	25.7	23.4	37.8	40.4	

NA Not available. <sup>1</sup> Includes other items not shown separately.  
Source: U.S. Dept. of the Treasury, *Consolidated Financial Statements of the United States Government*, annual.



## No. 498. FEDERAL FUNDS—SUMMARY DISTRIBUTION, BY STATE AND OUTLYING AREAS: 1966

(In millions of dollars, except as indicated. For year ending Sept. 30. Data for grants, salaries and wages, and direct payments to individuals are on an expenditure basis; procurement is on obligation basis. Minus sign (-) indicates decrease. For composition of regions, see fig. 1, inside front cover.)

REGION, DIVISION, AND STATE	FEDERAL FUNDS			Defense	Non-defense	Direct payments to individuals	Procurement	Grants to State and local gov'ts.	Salaries and wages
	Total <sup>1</sup>	Per cent change 1965-1966	Per capita <sup>2</sup> (dol.)						
<b>Total</b>	<b>830,300</b>	<b>5.3</b>	<b>3,362</b>	<b>229,570</b>	<b>600,730</b>	<b>364,666</b>	<b>206,671</b>	<b>112,666</b>	<b>136,627</b>
<b>U.S.</b>	<b>830,300</b>	<b>5.4</b>	<b>3,331</b>	<b>214,825</b>	<b>615,475</b>	<b>360,945</b>	<b>196,605</b>	<b>106,661</b>	<b>118,646</b>
<b>Regions:</b>									
<b>North</b>	<b>169,004</b>	<b>4.1</b>	<b>3,379</b>	<b>40,937</b>	<b>128,066</b>	<b>61,527</b>	<b>38,455</b>	<b>26,015</b>	<b>16,827</b>
<b>Midwest</b>	<b>173,156</b>	<b>4.7</b>	<b>2,919</b>	<b>32,854</b>	<b>140,302</b>	<b>66,818</b>	<b>31,497</b>	<b>26,122</b>	<b>18,348</b>
<b>South</b>	<b>261,736</b>	<b>6.8</b>	<b>3,965</b>	<b>79,529</b>	<b>202,211</b>	<b>125,125</b>	<b>61,069</b>	<b>33,135</b>	<b>55,005</b>
<b>West</b>	<b>176,060</b>	<b>5.1</b>	<b>3,673</b>	<b>61,505</b>	<b>117,563</b>	<b>67,477</b>	<b>55,784</b>	<b>21,679</b>	<b>28,469</b>
<b>New England</b>	<b>46,801</b>	<b>3.1</b>	<b>3,610</b>	<b>16,436</b>	<b>31,373</b>	<b>19,967</b>	<b>17,671</b>	<b>6,563</b>	<b>4,866</b>
Maine	3,742	-6.3	3,187	918	2,824	1,624	645	572	455
New Hampshire	2,973	-5.1	2,885	—	2,028	1,447	516	404	557
Vermont	1,435	-1.3	2,652	188	1,247	754	151	334	155
Massachusetts	24,937	7.6	4,276	6,637	15,300	8,521	9,481	3,082	2,079
Rhode Island	3,223	4.2	3,306	745	2,478	1,698	448	570	440
Connecticut	13,491	.3	4,230	5,995	7,496	4,843	5,848	1,691	1,000
<b>Middle Atlantic</b>	<b>119,399</b>	<b>4.5</b>	<b>3,197</b>	<b>22,808</b>	<b>96,591</b>	<b>61,549</b>	<b>21,264</b>	<b>21,482</b>	<b>12,141</b>
New York	59,448	4.7	3,345	11,279	48,169	28,554	11,679	12,380	5,217
New Jersey	22,302	1.3	2,927	4,718	17,583	11,768	4,124	3,354	2,737
Pennsylvania	37,453	6.3	3,150	6,812	30,641	21,217	5,581	5,718	4,187
<b>East North Central</b>	<b>112,348</b>	<b>6.7</b>	<b>2,689</b>	<b>16,252</b>	<b>96,096</b>	<b>60,583</b>	<b>16,166</b>	<b>16,437</b>	<b>11,621</b>
Ohio	31,523	10.9	2,680	6,929	24,594	15,880	7,452	4,764	3,175
Indiana	14,686	2.2	2,686	3,313	11,373	7,732	2,967	2,000	1,446
Illinois	30,149	6.1	2,610	3,506	26,643	16,751	3,014	5,010	4,000
Michigan	23,402	5.3	2,559	3,170	20,232	13,491	3,101	4,353	1,959
Wisconsin	12,186	6.4	2,547	1,331	10,855	6,729	1,804	2,310	941
<b>West North Central</b>	<b>66,816</b>	<b>1.2</b>	<b>3,466</b>	<b>14,602</b>	<b>52,214</b>	<b>26,233</b>	<b>13,329</b>	<b>7,666</b>	<b>6,827</b>
Minnesota	12,431	5.7	2,950	2,595	9,836	5,470	2,674	2,110	1,019
Iowa	8,345	9.2	2,627	751	7,595	4,406	822	1,158	603
Missouri	20,864	-6.6	4,124	6,601	14,062	8,134	6,633	1,682	2,342
North Dakota	2,818	4.7	4,180	516	2,302	967	314	433	440
South Dakota	2,454	6.1	3,466	326	2,128	1,066	213	457	365
Nebraska	5,211	10.0	3,261	767	4,444	2,421	507	661	773
Kansas	6,757	1.4	3,558	—	6,757	3,769	2,166	664	1,265
<b>South Atlantic</b>	<b>166,666</b>	<b>4.9</b>	<b>3,790</b>	<b>46,474</b>	<b>120,192</b>	<b>67,025</b>	<b>31,676</b>	<b>16,333</b>	<b>35,666</b>
Delaware	1,766	3.6	2,821	426	1,340	827	260	314	253
Maryland	21,666	4.2	4,659	7,094	14,562	7,326	6,776	1,669	4,967
District of Columbia	14,436	6.0	23,061	1,732	12,705	1,499	2,759	1,423	7,453
Virginia	26,039	3.9	4,845	13,580	14,459	9,371	7,260	1,965	8,705
West Virginia	5,406	7.8	2,619	264	5,142	3,461	321	1,063	466
North Carolina	15,746	4.9	2,487	3,636	11,910	6,421	1,530	2,281	3,163
South Carolina	9,944	1.4	2,944	2,736	7,208	4,552	1,784	1,322	2,170
Georgia	16,506	5.5	3,032	6,436	12,069	7,799	3,957	2,732	3,726
Florida	39,537	5.6	3,366	10,366	29,171	23,669	7,223	3,244	4,966
<b>East South Central</b>	<b>60,666</b>	<b>14.5</b>	<b>3,266</b>	<b>6,730</b>	<b>53,936</b>	<b>22,808</b>	<b>11,661</b>	<b>7,616</b>	<b>7,313</b>
Kentucky	12,616	26.7	3,357	1,766	10,730	5,576	3,300	1,784	1,706
Tennessee	15,917	17.4	3,314	1,937	13,980	6,966	4,550	2,126	2,036
Alabama	13,067	5.0	3,232	3,406	9,661	6,437	2,266	1,759	2,423
Mississippi	6,475	8.6	3,229	2,569	3,906	3,926	1,835	1,344	1,145
<b>West South Central</b>	<b>76,644</b>	<b>6.3</b>	<b>2,663</b>	<b>23,326</b>	<b>53,318</b>	<b>35,191</b>	<b>17,346</b>	<b>6,767</b>	<b>11,766</b>
Arkansas	7,179	4.4	3,026	1,474	5,705	3,960	1,021	1,123	766
Louisiana	12,372	2.7	2,749	2,547	9,825	5,856	2,562	2,036	1,479
Oklahoma	9,760	7.0	2,660	2,400	7,361	4,902	973	1,400	1,990
Texas	47,343	7.4	2,838	16,904	30,439	20,473	12,662	—	7,524
<b>Mountain</b>	<b>46,664</b>	<b>11.6</b>	<b>3,576</b>	<b>11,633</b>	<b>34,731</b>	<b>17,530</b>	<b>13,624</b>	<b>6,006</b>	<b>7,766</b>
Montana	2,821	1.7	3,444	236	2,585	1,231	156	562	413
Idaho	3,005	4.7	2,996	306	2,690	1,331	642	435	413
Wyoming	1,523	-1.5	3,003	236	1,286	560	182	471	266
Colorado	11,466	17.4	3,519	3,526	7,966	4,066	3,555	1,220	2,266
New Mexico	7,062	7.9	4,795	1,400	5,692	2,029	2,964	657	1,103
Arizona	11,403	13.6	3,436	3,666	7,737	5,166	3,253	1,206	1,563
Utah	5,501	10.7	3,304	1,665	3,836	1,757	1,624	607	1,176
Nevada	3,723	20.7	3,666	552	3,171	1,376	1,426	416	476
<b>Pacific</b>	<b>132,666</b>	<b>2.9</b>	<b>3,706</b>	<b>49,672</b>	<b>82,994</b>	<b>48,667</b>	<b>41,660</b>	<b>16,673</b>	<b>21,763</b>
Washington	16,874	1.2	3,761	5,006	11,868	6,736	4,761	1,605	2,946
Oregon	7,409	2.9	2,746	669	6,740	4,356	543	1,340	915
California	100,660	3.1	3,736	40,304	60,356	36,960	35,226	11,291	15,052
Alaska	2,719	7.4	5,061	1,167	1,552	366	756	664	667
Hawaii	4,843	1.7	4,372	2,466	2,376	1,517	619	473	1,661
<b>American Samoa</b>	<b>64</b>	<b>4.9</b>	<b>1,766</b>	<b>3</b>	<b>61</b>	<b>10</b>	<b>6</b>	<b>46</b>	<b>2</b>
<b>Guam</b>	<b>621</b>	<b>—</b>	<b>5,005</b>	<b>425</b>	<b>195</b>	<b>66</b>	<b>—</b>	<b>127</b>	<b>364</b>
<b>Northern Marianas</b>	<b>56</b>	<b>-13.9</b>	<b>2,964</b>	<b>—</b>	<b>56</b>	<b>5</b>	<b>2</b>	<b>46</b>	<b>1</b>
<b>Puerto Rico</b>	<b>6,022</b>	<b>3.1</b>	<b>1,635</b>	<b>655</b>	<b>5,367</b>	<b>2,676</b>	<b>—</b>	<b>2,266</b>	<b>446</b>
<b>Pacific Islands, Trust Terr.</b>	<b>137</b>	<b>-2.1</b>	<b>1,106</b>	<b>5</b>	<b>132</b>	<b>5</b>	<b>—</b>	<b>124</b>	<b>7</b>
<b>Virgin Islands</b>	<b>447</b>	<b>24.8</b>	<b>4,031</b>	<b>185</b>	<b>262</b>	<b>66</b>	<b>171</b>	<b>141</b>	<b>37</b>
<b>Undistributed</b>	<b>19,643</b>	<b>2.2</b>	<b>(X)</b>	<b>13,770</b>	<b>6,173</b>	<b>667</b>	<b>16,072</b>	<b>666</b>	<b>125</b>

- Represents zero. X Not applicable. <sup>1</sup> Includes other programs not shown separately.

<sup>2</sup> Resident population, provisional estimates as of July 1, 1966.

Source: U.S. Bureau of the Census, Federal Expenditures by State for Fiscal Year, annual.

No. 486. TAX RETURNS FILED—EXAMINATION COVERAGE: 1970 TO 1986

[In thousands, except as indicated]

YEAR AND ITEM	Returns filed <sup>1</sup>	RETURNS EXAMINED					AVERAGE TAX AND PENALTY PER RETURN (dollars)		
		Total	Per- cent of re- turns filed	By—			Reve- nue agents	Tax audi- tors	Serv- ice cen- ters
				Reve- nue agents	Tax audi- tors	Serv- ice cen- ters			
INDIVIDUAL RETURNS									
1970 .....	76,431.0	1,672.0	2.2	(NA)	(NA)	-	(NA)	(NA)	-
1975 .....	81,272.0	1,836.6	2.3	355.2	1,483.4	-	2,609	219	-
1980 .....	90,727.0	1,633.9	2.0	292.5	1,346.3	195.1	1,335	602	30
1981 .....	93,052.0	1,644.1	1.8	269.5	1,193.1	161.5	6,374	579	223
1982 .....	94,013.0	1,455.3	1.6	265.5	1,066.6	103.2	7,505	751	364
1983 .....	95,419.0	1,427.7	1.5	277.9	1,001.9	147.9	10,248	980	316
1984 .....	95,541.3	1,215.9	1.3	276.2	859.4	60.4	11,564	1,314	692
1985 .....	96,496.9	1,265.6	1.3	332.6	810.9	122.1	10,854	1,539	486
1986, total.....	96,529.0	1,030.6	1.1	206.9	732.5	50.6	14,062	1,945	882
1040A, total income under \$10,000 .....	20,353.2	60.1	.3	9.3	47.8	3.0	13,933	1,195	1,519
Non 1040A, total income: <sup>2</sup>									
Under \$10,000 .....	9,805.4	37.0	.4	8.3	28.5	4.2	5,523	980	1,358
\$10,000-\$24,999, simple.....	20,903.4	101.2	.5	12.3	85.3	3.6	3,611	916	581
\$10,000-\$24,999, complex .....	10,089.7	126.8	1.3	22.4	91.6	12.8	4,032	853	452
\$25,000-\$49,999 .....	23,810.5	390.0	1.6	58.7	308.1	23.2	4,643	1,097	697
\$50,000 and over .....	8,507.1	238.8	2.8	117.4	112.8	8.6	20,316	5,760	1,476
Schedule C—TGR: <sup>3</sup> Under \$25,000.....	1,668.3	24.9	1.3	9.0	15.3	.7	4,946	1,460	640
\$25,000-\$99,999 .....	2,023.6	45.4	2.2	20.9	23.1	1.5	8,663	2,554	1,087
\$100,000 and over .....	1,117.0	52.3	4.7	36.4	14.8	1.1	24,709	7,043	1,747
Schedule F—TGR: <sup>3</sup> Under \$25,000.....	261.5	2.5	.9	.7	1.7	.1	6,158	613	254
\$25,000-\$99,999 .....	453.5	5.2	1.1	1.7	3.1	.3	6,226	1,017	270
\$100,000 and over .....	235.8	8.9	2.9	3.9	2.5	.5	28,719	3,180	704
1986—OTHER RETURNS									
Fiduciary .....	2,125.0	7.5	.4	7.5	-	-	15,116	-	-
Partnerships .....	1,727.5	17.2	1.0	17.2	-	-	-	-	-
Corporation, total.....	2,847.7	59.7	2.3	59.7	-	-	181,901	-	-
Small business corporations.....	736.9	7.9	1.1	7.9	-	-	17,634	-	-
Form 1120 DISC <sup>4</sup> .....	13.3	1.4	10.4	1.4	-	-	-	-	-
Estate, total.....	60.7	16.8	20.8	16.8	-	-	41,736	-	-
Gross estate: Under \$1 million.....	68.5	10.9	15.9	10.9	-	-	19,336	-	-
\$1 million-\$4.9 million.....	11.3	5.2	46.0	5.2	-	-	54,229	-	-
\$5 million and over.....	.9	.7	76.4	.7	-	-	296,978	-	-
Gift.....	97.7	1.9	1.9	1.9	-	-	106,621	-	-
Excise .....	1,150.0	46.6	4.1	46.6	-	-	3,210	-	-
Employment .....	27,409.3	36.4	.1	35.3	1.1	-	8,759	-	-
Windfall profit.....	10.5	6.1	57.7	2.4	-	3.6	401,566	986	-
Miscellaneous .....	-	(Z)	-	(Z)	-	-	18,162	-	2,407
Service center corrections.....	-	584.0	-	-	-	584.0	-	-	-

- Represents zero. NA Not available. Z Less than 50. <sup>1</sup> Returns filed in previous calendar year. <sup>2</sup> Income is that from positive sources only. <sup>3</sup> Total gross receipts. <sup>4</sup> Domestic international sales corporation.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

No. 487. INTERNAL REVENUE GROSS COLLECTIONS, BY SOURCE: 1970 TO 1986

[For fiscal year ending in year shown; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 358-373]

SOURCE OF REVENUE	COLLECTIONS (bil. dol.)								PERCENT OF TOTAL			
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1985	1986
All taxes .....	196.6	293.8	518.4	632.2	627.2	680.5	742.9	762.3	100.0	100.0	100.0	100.0
Individual income taxes .....	103.7	156.4	267.5	352.6	349.6	362.9	396.7	416.6	53.0	54.9	53.4	53.2
Withheld by employers .....	77.4	122.1	223.8	267.5	266.0	279.0	299.0	314.4	39.5	43.1	40.2	40.1
Employment taxes <sup>1</sup> .....	37.4	70.1	126.3	168.7	173.8	199.2	225.2	244.4	19.1	24.7	30.2	31.2
Old-age and disability insurance .....	35.7	67.1	122.5	162.1	166.4	189.5	215.6	234.9	18.2	23.6	29.0	30.0
Unemployment insurance .....	.8	1.4	3.3	3.4	4.3	6.0	5.7	5.7	.4	.6	.6	.7
Corporation income taxes .....	35.0	45.7	72.4	88.0	61.8	74.2	77.4	80.4	17.9	13.9	10.4	10.2
Estate and gift taxes .....	3.7	4.7	6.5	8.1	6.2	6.2	6.6	7.2	1.9	1.3	.9	.9
Excise taxes .....	15.9	16.8	24.6	36.8	35.8	36.0	37.0	33.7	8.1	4.7	5.0	4.3
Alcohol .....	4.7	5.4	5.7	5.5	5.6	5.4	5.4	5.6	2.4	1.1	.7	.7
Tobacco .....	2.1	2.3	2.4	2.5	4.1	4.7	4.5	4.6	1.1	.5	.8	.5
Manufactures .....	6.7	5.5	6.5	6.4	6.4	10.1	10.0	9.9	3.4	1.3	1.3	1.3
Windfall profits tax .....	(X)	(X)	3.1	22.0	15.7	8.1	5.1	8.9	(X)	.8	.7	1.1
Other .....	2.4	3.7	6.9	.4	4.0	9.7	12.0	4.7	1.2	1.3	1.6	.8

X Not applicable. <sup>1</sup> Includes railroad retirement, not shown separately.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

No. 486. FEDERAL INDIVIDUAL INCOME TAX RETURNS WITH ADJUSTED GROSS INCOME (AGI)—  
SUMMARY: 1970 TO 1985

[Includes Puerto Rico and Virgin Islands. Includes returns of resident aliens; based on a sample of unaudited returns as filed. Taxability or nontaxability is determined by presence or absence of income tax after credits and additional tax for tax preferences. Classification as "nontaxable" generally based on each return as originally filed and does not reflect subsequent changes (amended returns, audits, etc.). Adjusted gross income is gross income less losses from all sources subject to tax reduced by legally permitted subtractions such as: Expenses of operating a business or trade, contributions to Individual Retirement Arrangements, moving expenses, etc. Data are not comparable for all years because of tax changes. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 393-411, for related data]

ITEM	Unit	1970	1970	1980	1981	1982	1983	1984	1985
Returns, total.....	Million.....	74.3	82.2	93.9	95.4	96.3	96.3	99.4	101.7
Joint returns.....	Million.....	42.4	44.1	45.2	45.7	46.1	46.4	47.4	47.8
Gross income, total.....	Bil. dol.....	639.4	982.9	1,642.3	1,804.0	1,917.0	2,024.0	2,229.6	2,401.0
Salaries and wages.....	Bil. dol.....	531.9	795.4	1,349.8	1,456.1	1,565.0	1,644.6	1,507.1	1,928.2
Interest received.....	Bil. dol.....	22.0	43.4	102.0	<sup>1</sup> 140.6	157.0	153.6	176.4	182.1
Taxable pensions and annuities.....	Bil. dol.....	7.9	20.9	43.3	51.9	60.1	68.8	60.4	95.1
Dividends, after exclusions.....	Bil. dol.....	15.8	21.9	36.8	(NA)	52.1	48.6	46.6	55.0
Net capital gain less loss, amount.....	Bil. dol.....	9.0	14.1	29.7	30.6	34.4	46.9	54.5	68.3
Business net income (less loss) amount.....	Bil. dol.....	30.6	39.4	55.1	53.1	50.6	60.4	70.8	78.8
Statutory adjustments, total:									
Returns, number.....	Million.....	6.4	9.0	13.1	14.1	33.4	34.8	37.0	37.8
Amount.....	Bil. dol.....	7.7	15.1	28.6	31.4	64.9	81.4	69.7	95.1
Married couple, both employed:									
Returns number.....	Million.....	(x)	(x)	(x)	(x)	21.7	22.6	24.1	24.8
Amount.....	Bil. dol.....	(x)	(x)	(x)	(x)	9.0	19.8	22.4	24.6
Individual Retirement Arrangements (IRA):									
Returns, number.....	Million.....	(x)	1.2	2.6	3.4	12.0	13.6	15.2	16.2
Amount.....	Bil. dol.....	(x)	1.4	3.4	4.8	28.3	32.1	35.4	38.2
Keogh (Self-employed retirement):									
Returns, number.....	Million.....	.6	.6	.6	.6	.6	.7	.6	.7
Amount.....	Bil. dol.....	.6	1.6	2.0	2.0	2.5	2.9	4.1	5.2
Adjusted gross income.....	Bil. dol.....	631.7	947.8	1,613.7	1,772.6	1,852.1	1,942.6	2,139.9	2,306.0
Exemptions:									
Total number.....	Million.....	204.1	212.2	227.9	231.2	232.2	234.4	240.9	244.2
Number, age 65 or over.....	Million.....	8.9	9.9	11.8	13.1	14.0	14.8	15.9	16.7
Total amount.....	Bil. dol.....	127.5	159.1	227.6	231.1	232.1	234.4	240.9	253.7
Deductions, total:									
Number of returns.....	Million.....	73.9	81.6	86.5	90.3	90.3	91.5	94.9	95.8
Amount.....	Bil. dol.....	120.5	233.2	346.0	401.2	<sup>2</sup> 425.2	<sup>2</sup> 446.7	<sup>2</sup> 590.0	<sup>2</sup> 550.0
Itemized deductions, total:									
Number of returns.....	Million.....	35.4	26.1	29.0	31.6	33.4	35.2	36.2	39.8
Amount.....	Bil. dol.....	68.2	122.3	218.0	256.4	234.5	309.6	356.9	405.0
Medical and dental expense.....	Bil. dol.....	10.6	11.4	15.0	17.9	21.7	<sup>3</sup> 18.1	<sup>3</sup> 21.5	<sup>3</sup> 22.9
Taxes paid.....	Bil. dol.....	32.0	44.1	69.4	79.7	88.0	96.8	115.2	128.1
Interest paid.....	Bil. dol.....	23.9	36.9	91.2	106.7	121.9	134.7	158.2	180.1
Home mortgage interest.....	Bil. dol.....	13.3	24.1	59.3	68.6	79.3	88.8	102.1	115.0
Contributions.....	Bil. dol.....	12.9	15.4	25.8	30.6	33.5	37.7	42.1	46.0
Taxable income:									
Number of returns.....	Million.....	59.6	65.9	68.1	69.9	69.7	90.8	94.2	<sup>4</sup> 96.1
Amount.....	Bil. dol.....	401.2	595.5	1,280.0	1,410.9	1,473.3	1,544.9	1,701.4	<sup>4</sup> 1,820.7
Percent of AGI.....	Percent.....	63.5	82.8	79.3	79.6	79.5	79.5	79.5	79.0
Income tax before credits:									
Number of returns.....	Million.....	59.6	65.9	78.1	79.0	78.3	90.6	84.4	96.0
Amount.....	Bil. dol.....	<sup>5</sup> 84.2	132.5	258.3	293.6	283.9	279.8	308.7	332.2
Tax credits, total.....	Bil. dol.....	.4	8.1	7.2	11.3	7.9	8.2	9.3	10.2
General.....	Bil. dol.....	(x)	5.0	(x)	<sup>6</sup> 3.4	(x)	(x)	(x)	(x)
Investment.....	Bil. dol.....	(z)	1.6	3.3	4.0	4.1	4.2	6.4	7.0
Foreign.....	Bil. dol.....	.2	.4	1.3	1.2	.8	.6	.7	.8
Child care.....	Bil. dol.....	(x)	(x)	1.0	1.1	1.5	2.1	2.6	3.1
Elderly.....	Bil. dol.....	.2	.1	.1	.1	.1	.1	.1	.1
Residential energy.....	Bil. dol.....	(x)	(x)	.6	.6	.6	.5	.6	.8
Earned income.....	Bil. dol.....	(x)	.3	.5	.5	.4	.3	.3	.4
Income tax after credits.....	Bil. dol.....	83.8	124.4	249.1	282.3	276.1	271.7	297.4	321.9
Additional tax for tax preferences.....	Bil. dol.....	.1	.1	1.3	1.8	1.5	2.5	4.5	3.8
Income tax, total:									
Number of returns.....	Million.....	59.3	61.5	73.9	76.7	77.0	78.0	81.6	82.8
Amount.....	Bil. dol.....	83.9	124.5	250.3	284.1	277.6	274.2	301.9	325.7
Percent of AGI.....	Percent.....	13.7	13.9	16.1	16.5	15.4	14.5	14.1	14.4
Percent of taxable income.....	Percent.....	20.9	21.1	20.0	20.5	19.2	18.1	17.7	18.2
Average AGI per return.....	Dollars.....	8,504	11,526	17,185	18,582	19,427	20,166	21,520	22,683
Average income tax per return.....	Dollars.....	1,415	2,025	3,387	3,703	3,605	3,514	3,698	3,931
Income tax per capita <sup>7</sup> .....	Dollars.....	406	578	1,102	1,237	1,197	1,343	1,277	1,364
Payment status:									
Payment due returns.....	Million.....	16.5	15.8	21.8	23.0	20.3	16.5	21.2	21.2
Refund or credit due returns.....	Million.....	55.3	63.8	69.9	70.0	72.4	75.0	75.6	77.4

NA Not available. X Not applicable. Z Less than \$50 million. <sup>1</sup> Data for interest and dividends are before exclusion. The combined amount of interest and dividends in adjusted gross income (after the exclusion) was \$178.1 billion. <sup>2</sup> Includes total itemized deductions, charitable contributions for non-itemizers and zero bracket amounts on non-itemized returns. <sup>3</sup> Individuals could take the medical and dental expense deduction if the total of deductible expenses exceeded 5 percent of their adjusted gross income. <sup>4</sup> Excludes zero bracket amount. <sup>5</sup> Includes surcharge of \$2 billion. <sup>6</sup> For 1981 only, this was the 1.25 percent rate reduction credit applicable to all returns with income tax before credits, as provided by the Economic Recovery Tax Act of 1981. <sup>7</sup> Based on resident population, as of July 1.

### NO. 480. INDIVIDUAL INCOME TAX RETURNS—NUMBER, INCOME TAX AND AVERAGE TAX, BY SIZE OF ADJUSTED GROSS INCOME: 1984 AND 1985

(Number in thousands; money amounts in millions of dollars)

SIZE OF ADJUSTED GROSS INCOME	NUMBER OF RETURNS		TOTAL ADJUSTED GROSS INCOME (AGI)		TAXABLE INCOME		INCOME TAX, TOTAL <sup>1</sup>		FILERS WITH INCOME TAX LIABILITY			
	1984	1985	1984	1985	1984	1985	1984	1985	Average tax (dol.)		Tax as percent of AGI	
									1984	1985	1984	1985
<b>Total</b>	<b>88,438</b>	<b>91,188</b>	<b>2,138,804</b>	<b>2,306,851</b>	<b>1,751,386</b>	<b>1,830,741</b>	<b>301,823</b>	<b>325,710</b>	<b>3,888</b>	<b>3,531</b>	<b>14.1</b>	<b>14.4</b>
Less than \$1,000	3,329	3,292	31,984	-36,741	84	7	420	186	16,783	18,464	(X)	(X)
\$1,000-\$2,999	6,864	6,771	13,733	13,561	6,504	5,948	45	42	104	111	5.4	5.3
\$3,000-\$4,999	7,031	6,985	28,151	26,770	17,252	16,048	430	348	103	100	2.5	2.4
\$5,000-\$6,999	6,584	6,571	39,618	39,357	26,086	25,680	1,233	1,183	282	275	4.7	4.6
\$7,000-\$8,999	6,793	6,864	54,389	53,478	38,888	37,544	2,483	2,280	466	480	5.8	5.7
\$9,000-\$10,999	6,052	6,235	60,390	62,125	45,304	46,036	3,618	3,481	651	633	6.5	6.3
\$11,000-\$12,999	5,875	5,583	70,439	66,863	54,709	51,016	5,014	4,549	869	865	7.5	7.2
\$13,000-\$14,999	5,209	5,367	72,660	75,252	57,388	58,885	5,832	5,789	1,183	1,119	8.3	8.0
\$15,000-\$16,999	4,894	4,895	78,186	78,225	62,490	61,708	6,785	6,534	1,415	1,375	8.9	8.8
\$17,000-\$18,999	4,582	4,543	82,013	81,675	65,307	65,462	7,775	7,482	1,736	1,686	9.7	9.4
\$19,000-\$21,999	5,646	6,089	115,467	124,506	93,889	100,463	11,678	12,203	2,400	2,044	10.3	10.0
\$22,000-\$24,999	5,199	5,051	122,124	118,540	99,375	95,256	13,238	12,275	2,573	2,469	11.0	10.5
\$25,000-\$29,999	7,635	7,458	209,275	204,399	168,006	164,077	23,793	22,917	3,152	3,104	11.5	11.3
\$30,000-\$34,999	6,021		195,264		155,819		23,927		4,004		12.3	
\$35,000-\$39,999	5,054	11,636	188,944	402,943	149,423	320,092	24,678	49,794	4,907	4,313	13.1	12.6
\$40,000-\$49,999	5,963	6,702	264,822	297,914	210,324	233,648	36,675	41,502	6,504	6,215	14.6	14.0
\$50,000-\$74,999	4,658	5,529	275,047	333,710	214,821	259,467	47,365	56,065	10,211	9,984	17.3	16.8
\$75,000-\$99,999	1,049	1,263	89,290	107,425	69,185	82,293	16,759	21,795	17,844	17,297	21.1	20.3
\$100,000-\$149,999	581		69,274	119,200	53,804	90,835	17,118		29,502		24.8	
\$150,000-\$199,999	180	909	30,768		23,866		6,645		29,657		28.2	
\$200,000-\$299,999	132		31,730	68,886	24,405	52,820	10,014		75,844		31.6	
\$300,000-\$499,999	67	238	25,780		19,789		8,762		30,272		34.1	
\$500,000-\$999,999	29	41	19,729	27,541	15,799	21,270	7,527	9,878	258,256	240,714	36.2	35.9
\$1,000,000 or more	15	17	34,687	40,100	27,939	32,067	14,121	15,726	954,091	910,931	40.6	39.3

X Not applicable. <sup>1</sup> Consists of income tax after credit, alternative minimum tax, and minimum tax. <sup>2</sup> For many taxpayers in this size class includes additional tax for tax preferences not included in "taxable income."

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1987

### NO. 480. INDIVIDUAL INCOME TAX RETURNS—ITEMIZED DEDUCTIONS AND STATUTORY ADJUSTMENTS, BY SIZE OF ADJUSTED GROSS INCOME: 1985

TYPE	Unit	ADJUSTED GROSS INCOME CLASS							
		Total	Under \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$99,999	\$100,000 and over
<b>Returns with itemized deductions:</b>	<b>1,000</b>	<b>36,646</b>	<b>2,303</b>	<b>6,184</b>	<b>8,578</b>	<b>8,078</b>	<b>8,008</b>	<b>8,866</b>	<b>1,181</b>
Medical and dental expenses:									
Returns	1,000	10,777	1,246	3,306	2,722	1,827	875	738	98
Amount	Bil. dol.	22.9	3.9	7.1	4.4	3.0	1.5	2.4	.8
Average deduction	Dollars	2,127	3,091	2,141	1,599	1,662	1,740	3,318	11,117
Taxes paid: Returns, total	1,000	39,548	2,107	6,075	8,555	9,067	6,003	6,586	1,177
State and local income taxes	1,000	32,563	1,132	4,867	7,246	7,758	5,152	5,815	1,084
Real estate taxes	1,000	32,110	1,256	4,503	6,496	7,401	5,320	6,024	1,119
Amount, total	Bil. dol.	128.1	2.1	8.8	17.0	24.5	20.9	33.8	21.8
State and local income taxes	Bil. dol.	66.2	.4	2.7	7.5	11.9	10.5	18.2	16.9
Real estate taxes	Bil. dol.	36.0	1.2	3.7	5.2	6.9	5.8	6.2	3.9
Average deduction	Dollars	3,239	988	1,445	1,993	2,697	3,483	6,150	17,849
Interest paid: Returns	1,000	36,287	1,391	5,354	8,034	8,806	5,889	6,150	1,089
Home mortgages	1,000	28,052	936	3,646	5,851	6,781	4,792	5,216	889
Amount	Bil. dol.	115.0	2.4	10.0	18.7	23.7	20.4	30.4	9.4
Average deduction	Dollars	4,101	2,584	2,747	3,192	3,509	4,262	5,822	11,889
Amount	Bil. dol.	180.1	4.0	15.4	27.7	36.7	30.1	45.7	21.3
Average deduction per return	Dollars	4,983	2,849	2,874	3,454	4,150	5,287	7,427	20,285
Contributions:									
Returns	1,000	36,162	1,547	5,296	7,696	8,400	5,712	6,380	1,187
Amount	Bil. dol.	48.0	9	4.2	6.2	7.6	6.3	11.2	11.7
Average deduction	Dollars	1,226	580	799	806	894	1,105	1,757	10,076
Returns with statutory adjustments: <sup>1</sup> Returns	1,000	37,763	2,244	6,588	6,581	6,131	5,438	5,851	891
Amount of adjustments	Bil. dol.	96.1	3.3	9.2	14.5	17.5	15.4	26.9	8.2
Average deduction	Dollars	2,516	1,450	1,401	1,895	2,158	2,832	4,600	6,641
Payments to individual retirement arrangements: Returns	1,000	16,206	850	2,057	3,074	3,173	2,574	3,847	682
Amount	Bil. dol.	38.2	1.1	3.8	6.1	6.9	6.6	11.4	2.9
Average deduction	Dollars	2,366	1,980	1,754	1,970	2,190	2,546	2,954	3,139
Payments to Keogh: Returns	1,000	676	25	36	83	68	87	236	138
Amount	Bil. dol.	5.2	.1	.1	.2	.3	.4	2.0	2.3
Average deduction	Dollars	7,668	3,222	3,067	2,860	3,220	4,161	6,456	15,886

<sup>1</sup> Also includes disability income exclusion, employee business expenses, moving expenses, forfeited interest penalty, salary paid, deduction for expense of living abroad, and other data not shown separately.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1985*.

## NO. 401. FEDERAL INDIVIDUAL INCOME TAX—EFFECTIVE (AVERAGE) AND MARGINAL TAX RATES, FOR SELECTED INCOME GROUPS: 1954 TO 1985

(Refers to income after exclusions. Effective rate represents tax liability divided by stated income. The marginal tax rate is the percentage of the first additional dollar of income which would be paid in income tax. Computations assume the low income allowance, standard deduction, zero bracket amount, or limited deductions equal to 10 percent of adjusted gross income, whichever is greatest. Excludes self-employment tax. See *Historical Statistics, Colonial Times to 1970*, series Y 412-430, for similar data based on net income.)

ADJUSTED GROSS INCOME <sup>1</sup>	TAX LIABILITY					EFFECTIVE RATE (percent)					MARGINAL TAX RATE (percent)				
	1954-1963	1966	1970 <sup>2</sup>	1976	1979-1980 <sup>3</sup>	1984	1986	1970 <sup>2</sup>	1976	1979-1980 <sup>3</sup>	1984	1986	1970 <sup>2</sup>	1976	1979-1980 <sup>3</sup>
CURRENT DOLLARS															
Single person, no dependents:															
\$5,000	816	671	683	404	250	193	177	16.4	13.4	13.7	8.1	5.0	3.9	3.5	12
\$10,000	2,066	1,742	1,726	1,476	1,177	915	668	21.0	17.4	17.3	14.5	11.8	9.2	8.9	16
\$20,000	5,900	4,918	4,405	4,123	3,837	2,845	2,845	29.5	24.8	22.0	20.5	19.2	14.7	14.3	26
\$25,000	8,324	6,982	6,091	5,855	5,464	4,205	4,125	33.3	27.9	24.4	23.5	21.9	16.8	16.5	28
\$35,000	13,778	11,627	10,028	9,898	9,184	7,055	6,816	39.4	33.2	28.7	27.7	26.3	20.2	19.6	34
\$50,000	22,788	19,230	17,235	16,710	16,032	12,335	12,067	45.6	38.5	34.5	33.4	32.1	24.7	24.1	42
\$75,000	36,702	33,206	31,560	30,880	29,487	22,595	22,195	52.8	44.3	42.1	40.9	39.3	30.1	29.6	48
Married couple, 2 dependents:															
\$5,000	420	290	290	300	500	550	550	8.4	5.8	5.8	6.0	10.0	10.0	11.0	12
\$10,000	1,372	1,114	1,112	708	374	291	132	13.7	11.1	11.2	7.1	3.7	2.9	1.3	16
\$20,000	3,800	3,160	3,213	2,740	2,265	1,741	1,682	19.0	15.8	16.1	13.7	11.3	8.7	8.4	24
\$25,000	5,318	4,412	4,490	4,092	3,497	2,673	2,586	21.3	17.6	18.0	16.4	14.0	10.7	10.3	28
\$35,000	9,037	7,529	7,677	7,175	6,571	5,070	4,915	25.8	21.5	21.9	20.5	18.8	14.5	14.0	34
\$50,000	15,878	13,388	13,674	12,960	12,118	9,310	8,085	32.0	26.8	27.3	26.0	24.2	18.6	18.2	42
\$75,000	29,635	25,025	25,594	24,575	23,404	18,086	17,849	39.5	33.4	34.1	32.8	31.2	24.1	23.5	48
CONSTANT (1980) DOLLARS <sup>4</sup>															
Single person, no dependents:															
\$5,000	2,010	2,565	3,499	4,536	5,000	6,160	6,353	12.0	7.5	4.0	3.9	5.0	5.6	5.8	14
\$10,000	4,018	5,170	6,996	9,902	10,000	12,320	12,705	15.6	13.8	11.4	10.9	11.8	10.5	10.5	16
\$20,000	8,036	10,341	13,987	18,144	20,000	24,639	25,411	19.3	17.0	16.7	17.9	19.2	16.7	16.8	26
\$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,784	21.0	18.7	19.0	20.9	21.9	18.8	18.7	30
\$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	24.4	21.1	23.2	24.9	26.3	22.7	22.6	36
\$50,000	20,095	25,852	34,982	45,361	50,000	61,599	63,527	29.6	24.9	27.7	30.0	32.1	27.3	27.1	46
\$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	36.7	30.2	34.4	37.5	39.1	32.6	32.5	50
Married couple, 2 dependents:															
\$5,000	2,010	2,565	3,499	4,536	5,000	6,160	6,353	12.0	7.5	4.0	3.9	5.0	5.6	5.8	14
\$10,000	4,018	5,170	6,996	9,902	10,000	12,320	12,705	15.6	13.8	11.4	10.9	11.8	10.5	10.5	16
\$20,000	8,036	10,341	13,987	18,144	20,000	24,639	25,411	19.3	17.0	16.7	17.9	19.2	16.7	16.8	26
\$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,784	21.0	18.7	19.0	20.9	21.9	18.8	18.7	30
\$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	24.4	21.1	23.2	24.9	26.3	22.7	22.6	36
\$50,000	20,095	25,852	34,982	45,361	50,000	61,599	63,527	29.6	24.9	27.7	30.0	32.1	27.3	27.1	46
\$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	36.7	30.2	34.4	37.5	39.1	32.6	32.5	50

<sup>1</sup> Represents zero. <sup>2</sup> See footnote, table 488. <sup>3</sup> Includes tax surcharge. <sup>4</sup> 1981 tax liability and tax rates are 86.75 percent of the 1980 rates. <sup>5</sup> Only one spouse is assumed to work.

<sup>6</sup> Refundable earned income credit. <sup>7</sup> Amount of adjusted gross income equivalent to adjusted gross income in 1980 dollars was calculated by using the MPA personal consumption expenditure deflator (1972=100). The values of the deflators are: 1980, 71.8; 1970, 82.5; 1975, 125.3; 1979, 162.3; 1980, 178.2; 1984, 220.4; and 1985, 227.3 (estimated).

Source: U.S. Dept. of the Treasury, unpublished data.

### NO. 492. FEDERAL INDIVIDUAL INCOME TAX RETURNS—ADJUSTED GROSS INCOME, BY SOURCE OF INCOME AND INCOME CLASS FOR TAXABLE RETURNS: 1985

(In billions of dollars, except percent. Minus sign (-) indicates net loss was greater than net income. See headnote, table 490)

ITEM	Total <sup>1</sup>	Under \$10,000 <sup>1</sup>	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$99,999	\$100,000 and over
Number of returns (1,000)	82,846	15,679	24,458	16,210	11,544	6,678	6,876	1,202
<b>SOURCE OF INCOME</b>								
Adjusted gross income (AGI)	2,259.0	106.4	360.8	399.9	399.8	269.8	440.0	255.1
Salaries	1,853.9	82.8	292.3	349.5	359.6	267.1	388.4	136.1
Percent of AGI	82.1	77.8	81.0	87.4	89.9	90.0	88.3	53.4
Interest received	167.7	14.5	32.7	25.0	20.6	16.4	32.4	28.1
Dividends in AGI	52.5	1.7	5.5	4.7	4.8	3.6	11.5	20.6
Business and profession, net	77.8	2.3	9.7	11.0	8.5	6.7	22.7	14.9
Pensions and annuities <sup>2</sup>	89.7	6.9	23.6	18.2	13.7	9.2	14.4	3.5
Sales of capital assets, <sup>3</sup> net	65.8	2.2	1.7	2.5	3.1	3.1	11.5	41.8
Rents and royalties, net	-7.6	-4	-4	-1.7	-2.3	-1.8	-3.2	2.4
Other sources, <sup>4</sup> net	-40.9	-3.6	-4.4	-9.3	-9.2	-9.4	-15.7	10.7
<b>PERCENT OF ALL RETURNS</b>								
Number of returns	81.5	15.8	24.1	15.9	11.4	6.6	6.6	1.2
Adjusted gross income	96.0	4.6	15.6	17.3	17.3	12.9	19.1	11.1
Salaries	96.1	4.3	15.2	18.1	18.7	13.9	18.0	7.1
Interest received	92.1	7.9	18.0	13.7	11.3	9.0	17.8	14.9
Dividends in AGI	95.4	3.2	10.1	6.5	6.6	6.6	20.9	37.3
Business and profession, net	96.6	2.9	12.3	14.0	12.0	11.1	28.6	17.7
Pensions and annuities <sup>2</sup>	94.4	7.2	25.1	19.1	14.5	9.7	15.1	3.7
Sales of capital assets, <sup>3</sup> net	94.3	3.2	2.6	3.5	4.5	4.4	16.4	59.9

<sup>1</sup> Includes a small number of taxable returns with no adjusted gross income. <sup>2</sup> Taxable portion. <sup>3</sup> Includes net sales of property other than capital assets (\$1.5 billion in 1985). <sup>4</sup> Includes statutory adjustments of \$95.1 billion in 1985.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1985*.

### NO. 493. FEDERAL INDIVIDUAL INCOME TAX RETURNS, INCOME, AND TAXES, 1970 TO 1985, AND BY STATE, 1985

YEAR, DIVISION AND STATE	Number of returns (1,000)	ADJUSTED GROSS INCOME (AGI) <sup>1</sup>		INCOME TAX		DIVISION AND STATE	Number of returns (1,000)	ADJUSTED GROSS INCOME (AGI) <sup>1</sup>		INCOME TAX	
		Total (mil. dol.)	Per capita <sup>2</sup> (dol.)	Total <sup>3</sup> (mil. dol.)	Per capita <sup>2</sup> (dol.)			Total (mil. dol.)	Per capita <sup>2</sup> (dol.)	Total <sup>3</sup> (mil. dol.)	Per capita <sup>2</sup> (dol.)
1970	74,278	631,626	3,096	82,880	406	S.A.:					
1975	82,229	947,785	4,399	124,526	576	DE	284	6,656	10,701	984	1,580
1979	92,694	1,485,395	6,525	214,495	955	MD	2,071	52,205	11,884	7,582	1,720
1980	93,902	1,813,731	7,180	250,341	1,102	D	324	7,678	12,324	1,239	1,988
1981	95,398	1,772,604	7,719	284,129	1,237	VA	2,502	59,423	10,421	6,503	1,461
1982	95,337	1,852,135	7,983	227,597	1,197	WV	664	13,111	6,789	1,745	901
1983	96,419	2,134,030	9,109	314,564	1,343	NC	2,632	52,274	8,348	6,626	1,098
1984	99,439	2,139,904	9,049	301,923	1,277	SC	1,312	25,492	7,644	3,204	981
1985	102,837	2,299,333	9,589	336,636	1,418	GA	2,467	53,219	8,907	7,449	1,247
N. Eng.:						FL	5,113	110,593	9,732	17,310	1,523
ME	497	9,401	8,070	1,213	1,041	E.S.C.:					
NH	482	11,270	11,261	1,723	1,725	KY	1,366	26,245	7,036	3,554	933
VT	231	4,521	8,450	800	1,121	TN	1,916	37,621	7,892	5,282	1,110
MA	2,763	67,079	11,526	10,438	1,794	AL	1,502	29,793	7,406	3,957	894
RI	438	9,247	9,563	1,262	1,326	MS	912	15,706	6,006	1,976	756
CT	1,564	42,424	13,379	7,237	2,282	W.S.C.:					
Mid. Atl.:						AR	889	15,672	6,641	2,027	899
NY	7,599	191,010	10,764	29,146	1,842	LA	1,851	33,776	7,529	4,940	1,101
NJ	3,761	97,712	12,823	15,851	2,070	OK	1,270	26,730	8,065	3,893	1,178
PA	5,080	108,640	9,158	15,780	1,330	TX	6,874	152,649	9,326	24,666	1,523
E.N.C.:						MT	336	5,699	6,806	770	933
OH	4,522	98,759	9,189	13,847	1,268	ID	366	6,778	6,751	889	886
IN	2,269	47,846	8,700	6,783	1,233	WY	207	4,451	8,727	680	1,333
IL	4,898	114,930	9,962	17,977	1,558	CO	1,430	32,689	10,102	4,672	1,445
MI	3,811	90,454	9,953	13,183	1,451	NM	592	11,266	7,778	1,507	1,039
WI	2,017	41,796	8,751	5,493	1,150	AZ	1,346	29,175	9,137	3,972	1,244
W.N.C.:						UT	595	12,528	7,616	1,485	903
MN	1,907	39,845	9,505	5,348	1,276	NV	447	9,921	10,566	1,554	1,656
IA	1,158	21,850	7,515	2,953	1,025	Pac.:					
MO	2,093	44,583	8,855	6,553	1,301	WA	1,905	42,385	9,611	6,151	1,366
ND	278	5,012	7,317	704	1,028	OR	1,126	22,582	8,407	2,942	1,095
SD	263	4,412	6,232	604	653	CA	11,691	285,100	10,816	41,509	1,676
NE	672	12,664	7,890	1,778	1,107	AK	239	6,709	12,852	1,125	2,166
KS	1,029	22,210	9,089	3,263	1,341	HI	471	9,966	9,482	1,303	1,240
						Other <sup>4</sup>	501	5,593	(NA)	1,060	(NA)

NA: Not available. <sup>1</sup> Less deficit. <sup>2</sup> Based on resident population as of July 1. <sup>3</sup> Includes additional tax for tax preferences, self-employment tax, and recomputed prior-year taxes. <sup>4</sup> Returns with addresses outside the United States.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Spring 1987.



No. 484. FEDERAL CIVILIAN EMPLOYMENT AND ANNUAL PAYROLL, BY BRANCH: 1970 TO 1986

[Annual employment: For fiscal year ending in year shown; see text, section 9. Includes employees in U.S. territories and in foreign countries. Data represent employees in active-duty status, including intermittent employees. Annual employment figures are averages of monthly figures. Excludes Central Intelligence Agency, National Security Agency, and as of November 1984, the Defense Intelligence Agency. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317]

YEAR	EMPLOYMENT						PAYROLL				
	Total <sup>1</sup> (1,000)	Percent of U.S. employed <sup>2</sup>	Executive		Legis- lative (1,000)	Judicial (1,000)	Total <sup>1</sup> (mil. dol.)	Executive		Legis- lative (mil. dol.)	Judicial (mil. dol.)
			Total <sup>1</sup> (1,000)	Defense (1,000)				Total <sup>1</sup> (mil. dol.)	Defense (mil. dol.)		
1970	2,926	3.7	2,891	1,196	30	7	28,562	28,117	11,352	353	92
1975	2,882	3.4	2,834	1,036	37	10	40,008	39,944	14,356	599	166
1976	2,875	3.0	2,822	967	40	13	49,921	48,999	16,995	771	251
1979	2,907	2.9	2,844	970	40	13	53,590	52,519	18,065	817	280
1980	2,987	3.0	2,933	972	40	14	58,012	56,841	19,234	883	288
1981	2,910	2.9	2,855	986	40	15	63,792	62,510	21,227	922	300
1982	2,871	2.9	2,816	1,019	39	16	65,503	64,125	22,226	980	308
1983	2,878	2.9	2,823	1,033	39	16	69,878	68,420	23,406	1,013	445
1984	2,935	2.8	2,879	1,052	40	17	74,537	73,005	25,253	1,081	451
1985	3,001	2.8	2,944	1,080	39	18	80,445	78,840	26,219	1,097	506
1986	3,047	2.8	2,990	1,088	38	19	82,554	80,896	29,224	1,114	545

<sup>1</sup> Includes Postal Service Christmas help.

<sup>2</sup> Civilian only. See table 607

<sup>3</sup> Includes 33,000 temporary census workers.

<sup>4</sup> Includes 4,975 temporary census workers.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*; and unpublished data.

No. 495. FEDERAL CIVILIAN EMPLOYMENT—SUMMARY: 1970 TO 1986

[In thousands. As of Dec. 31. Excludes U.S. Territories and foreign countries, Central Intelligence Agency, National Security Agency, and the Defense Intelligence Agency. Partially estimated]

CHARACTERISTIC OF EMPLOYMENT	UNITED STATES								WASHINGTON, DC <sup>1</sup>				
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1984	1985	1986
<b>Paid employment</b>	2,846	2,741	2,772	2,733	2,754	2,834	2,902	2,906	316	306	352	353	344
Male	1,931	1,898	1,790	1,776	1,880	1,894	1,766	1,765	160	202	190	181	186
Female	714	845	982	957	1,074	1,130	1,133	1,130	156	104	162	172	158
Full-time	2,518	2,400	2,504	2,482	2,497	2,537	2,560	2,575	306	342	333	336	327
Other	129	245	268	251	257	297	313	320	6	24	19	18	17
Competitive service <sup>2</sup>	2,393	1,714	1,662	1,678	1,685	1,898	1,710	1,678	282	258	248	246	239
Temporary <sup>3</sup>	112	80	70	67	70	66	62	72	11	11	10	11	9
Excepted and Senior Executive Services (SES) <sup>4</sup>	262	1,027	1,057	1,069	1,126	1,191	1,217	1,217	54	107	106	106	105
Permanent	184	893	917	914	926	969	1,015	1,035	38	70	72	73	73
Other	88	164	163	143	143	156	176	182	16	37	34	35	32
White-collar <sup>5</sup>	2,113	2,255	2,314	2,289	2,319	2,393	2,289	2,284	278	334	325	321	313
Blue-collar <sup>6</sup>	532	486	458	444	435	431	612	611	38	32	27	32	31

<sup>1</sup> Through June 30, 1983, represents SMSA; thereafter, MSA. <sup>2</sup> In 1971, under Postal Reorganization Act of 1970, U.S. Postal Service employees were changed from competitive service to excepted service. <sup>3</sup> Includes "indefinite." <sup>4</sup> Excepted from competitive requirements of Civil Service Act. Prior to 1980 SES was not included in total.

<sup>5</sup> Through 1982, based on full-time employment; beginning 1983, based on total workforce.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*; and unpublished data.

No. 496. ACCESSIONS TO AND SEPARATIONS FROM PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT: 1970 TO 1987

[In thousands, except rate. For fiscal year ending in year shown; see text, section 9. Includes accessions and separations of part-time and intermittent employees]

ITEM	UNITED STATES							WASHINGTON, DC <sup>1</sup>				
	1970	1975	1980	1984	1985	1986	1987, Oct.- Feb.	1980	1984	1985	1986	1987, Oct.- Feb.
Accessions, total	727.0	564.2	895.2	574.0	592.1	557.5	250.1	94.1	83.6	82.4	57.5	22.0
Monthly rate <sup>2</sup>	2.2	1.7	2.9	1.7	2.0	1.7	1.6	2.3	1.6	1.6	1.4	1.4
Separations, total	796.7	588.9	1,004.0	521.8	585.6	557.5	217.4	89.2	58.8	57.8	58.7	19.7
Monthly rate <sup>2</sup>	2.4	1.8	3.0	1.6	1.7	1.6	1.5	2.2	1.5	1.5	1.4	1.2
Quit <sup>3</sup>	334.4	212.9	227.7	195.8	236.8	206.7	71.2	32.9	24.6	25.2	26.2	79.7

<sup>1</sup> See footnote 1, table 495.

<sup>2</sup> Per 100 employees.

<sup>3</sup> Represents voluntary resignations by employees or separations by agency if employee declines new assignment, abandons position, joins military, or fails to return from military furlough.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*.



### NO. 497. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT 1960 TO 1986, AND BY STATE, 1986

(As of December 31. Excludes members and employees of Congress, Central Intelligence Agency, temporary Christmas help of the U.S. Postal Service, and National Security Agency)

YEAR, DIVISION, AND STATE	Total (1,000)	Per- cent de- fense	Rate per 10,000 popula- tion <sup>1</sup>	DIVISION AND STATE	Total (1,000)	Per- cent de- fense	Rate per 10,000 popula- tion <sup>1</sup>
1960.....	2,213	42.1	123.4	South Atlantic—Con.			
1970.....	2,665	37.8	131.1	District of Columbia.....	206	6.2	3,290.7
1980.....	2,659	32.2	117.4	Virginia.....	156	67.9	299.5
1982.....	2,734	34.3	117.8	West Virginia.....	16	13.3	78.2
1984.....	2,771	34.3	117.2	North Carolina.....	45	35.6	71.1
1986, total <sup>2</sup> .....	2,862	33.8	116.7	South Carolina.....	32	62.5	94.8
New England.....	121	38.1	85.0	Georgia.....	86	46.5	140.9
Maine.....	17	58.8	144.0	Florida.....	101	31.7	86.5
New Hampshire.....	7	29.8	66.2	East South Central.....	174	33.8	114.4
Vermont.....	6	20.0	92.4	Kentucky.....	33	42.4	86.5
Massachusetts.....	58	20.3	101.2	Tennessee.....	56	12.1	120.8
Rhode Island.....	10	40.0	102.8	Alabama.....	59	45.8	145.6
Connecticut.....	23	21.7	72.1	Mississippi.....	24	45.8	91.4
Middle Atlantic.....	361	38.0	98.8	West South Central.....	272	36.6	101.3
New York.....	156	12.5	87.8	Arkansas.....	19	28.3	80.1
New Jersey.....	74	38.5	97.1	Louisiana.....	33	27.3	73.3
Pennsylvania.....	131	41.2	110.2	Oklahoma.....	48	54.2	145.2
East North Central.....	319	27.3	78.4	Texas.....	172	37.8	103.1
Ohio.....	90	37.8	83.7	Mountain.....	187	32.8	143.8
Indiana.....	41	36.6	74.5	Montana.....	11	9.1	134.3
Illinois.....	104	21.2	90.0	Idaho.....	10	10.0	98.8
Michigan.....	57	22.8	62.3	Wyoming.....	6	18.7	118.3
Wisconsin.....	27	11.1	56.4	Colorado.....	52	28.8	159.2
West North Central.....	172	22.7	97.9	New Mexico.....	26	38.5	175.8
Minnesota.....	31	8.7	73.8	Arizona.....	36	30.8	108.5
Iowa.....	18	5.6	63.1	Utah.....	36	55.8	218.2
Missouri.....	67	31.3	132.3	Nevada.....	10	20.0	103.8
North Dakota.....	8	25.0	117.8	Pacific.....	445	43.1	194.6
South Dakota.....	9	11.1	127.1	Washington.....	63	48.0	141.2
Nebraska.....	15	26.7	93.9	Oregon.....	27	11.1	100.1
Kansas.....	24	29.2	97.6	California.....	314	42.7	118.4
South Atlantic.....	775	36.7	188.4	Alaska.....	14	35.7	282.2
Delaware.....	5	40.0	79.0	Hawaii.....	27	77.8	254.2
Maryland.....	129	32.6	299.0				

<sup>1</sup> For 1960–1980, based on April 1 population; other years based on July 1 resident population. <sup>2</sup> Preliminary. Includes employees not specified by State.

Source: U.S. Office of Personnel Management, *Biennial Report of Employment by Geographic Area*.

### NO. 498. PAID FULL-TIME CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, ALL AREAS: 1975 TO 1986

(As of March 31. Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small number for whom rates were not reported. See text, section 10 for explanation of general schedule and wage system. See also *Historical Statistics, Colonial Times to 1970*, series Y 318–331)

COMPENSATION AUTHORITY	EMPLOYEES (1,000)						AVERAGE PAY (dol.)					
	1975	1985	1986	1984	1983	1985	1975	1980	1983	1984	1985	1986
Total.....	2,575	2,897	2,499	2,820	2,580	2,816	13,329	17,766	24,074	25,211	26,139	26,399
General schedule.....	1,349	1,402	1,393	1,407	1,450	1,482	14,483	17,299	24,178	25,282	26,186	26,274
Wage system.....	526	458	430	420	418	409	11,197	17,844	21,500	22,383	23,288	23,897
Postal pay system <sup>1</sup> .....	559	538	547	561	586	606	13,242	20,076	24,812	25,604	26,559	26,744
Other.....	139	113	129	132	136	139	13,951	20,344	31,544	33,463	34,413	34,814

<sup>1</sup> Source: U.S. Postal Service, *National Payroll Hours*, 1986.

Source: Except as noted, U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

### NO. 499. FEDERAL GENERAL SCHEDULE EMPLOYEE PAY INCREASES: 1965 TO 1987

(Percent change from prior year shown, except 1985, change from 1984. Represents legislated pay increases. For some years data based on range; for details see source)

EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase
Oct. 1, 1965.....	3.6	Oct. 1, 1972.....	5.1	Oct. 1, 1980.....	6.1
July 1, 1966.....	2.9	Oct. 1, 1973.....	4.8	Oct. 1, 1981.....	4.1
Oct. 1, 1967.....	4.5	Oct. 1, 1974.....	5.5	Oct. 1, 1982.....	4.6
July 1, 1968.....	4.9	Oct. 1, 1975.....	5.0	Jan. 1, 1984.....	4.8
July 1, 1969.....	9.1	Oct. 1, 1976.....	5.2	Jan. 1, 1985.....	2.5
Dec. 27, 1969.....	6.0	Oct. 1, 1977.....	7.0	Jan. 1, 1986.....	—
Jan. 1, 1971.....	6.0	Oct. 1, 1978.....	6.5	Jan. 1, 1987.....	3.0
Jan. 1, 1972.....	5.5	Oct. 1, 1979.....	7.0		

— Represents zero.

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

# **NO. 500. WHITE-COLLAR CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, BY SEX AND GRADE: 1970 TO 1985**

(Represents full-time white-collar employment. As of Oct. 31)

GRADE <sup>1</sup>	TOTAL (1,000)					PERCENT FEMALE				
	1970	1980	1981	1983 <sup>2</sup>	1985 <sup>3</sup>	1970	1980	1981	1983 <sup>4</sup>	1985 <sup>5</sup>
Total employment.....	1,886	2,006	2,025	2,036	2,186	33.1	38.6	46.6	46.2	47.4
General Schedule and equivalent pay system.....	1,259	1,473	1,481	1,484	1,561	40.3	45.1	45.9	46.5	47.7
Grades 1-6 (\$9,339-\$20,855).....	521	561	563	563	563	72.2	74.1	74.1	74.6	74.6
Grades 7-10 (\$17,824-\$31,211).....	302	357	356	377	377	33.4	48.3	47.6	48.8	50.3
Grades 11-12 (\$26,381-\$41,105).....	284	335	343	366	366	9.5	19.3	20.8	24.2	27.6
Grades 13-15 (\$37,599-\$57,940).....	184	217	215	231	231	3.0	6.2	9.2	10.3	12.1
Grades 16-18 (\$61,295-\$84,157) <sup>6</sup> .....	8	9	1	1	1	1.4	4.4	6.4	6.6	6.1
Postal pay system <sup>7</sup> .....	521	504	512	516	563	(NA)	26.6	28.3	30.4	33.2
Other pay system.....	106	29	32	39	42	45.7	35.5	33.9	36.1	37.0

NA Not available. <sup>1</sup> Pay ranges shown for General Schedule grades are as of January 1, 1985. <sup>2</sup> Data for 1982 and 1984 not collected. <sup>3</sup> Excludes U.S. Postal Service, and other systems not shown separately. <sup>4</sup> Beginning 1980, change in number reflects shift of senior level employees to Senior Executive Service. <sup>5</sup> Source: U.S. Postal Service, *National Payroll Hours, 1988*.

Source: Except as noted, U.S. Office of Personnel Management, *Occupations of Federal White-Collar and Blue-Collar Workers*, biennial, and *The Pay Structure of the Federal Civil Service*, annual.

## **NO. 501. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, BY AGENCY: 1970 TO 1986**

(As of end of fiscal year; see text, section 9. See headnote, table 494. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 306-317.)

AGENCY	1970	1975	1980	1982	1983	1984	1985	1986
All agencies.....	2,821,989	2,886,844	2,875,886	2,834,788	2,878,263	2,834,256	2,826,831	2,822,188
Legislative branch.....	30,715	36,531	36,710	36,791	39,143	39,832	38,764	36,490
Judicial branch.....	8,867	10,389	15,178	15,962	16,626	17,247	18,225	18,886
Executive branch <sup>1</sup> .....	2,884,307	2,848,014	2,820,976	2,770,285	2,820,494	2,678,178	2,863,542	2,866,773
Executive Office of the President.....	4,742	1,916	1,866	1,586	1,621	1,585	1,526	1,482
Executive departments.....	1,812,572	1,738,572	1,716,970	1,891,337	1,739,183	1,753,238	1,789,270	1,781,644
Agriculture.....	118,012	120,889	128,139	121,175	123,987	118,809	117,750	112,147
Commerce.....	57,674	36,226	48,563	34,451	36,576	36,271	35,150	34,397
Census Bureau.....	(NA)	(NA)	19,925	7,886	6,481	8,270	6,633	6,639
Defense.....	1,193,784	1,041,289	980,116	899,633	1,026,481	1,043,784	1,084,549	1,087,974
Education <sup>2</sup> .....	(X)	(X)	7,384	5,892	5,289	5,343	4,899	4,554
Energy <sup>3</sup> .....	(X)	(X)	21,557	17,945	17,229	16,976	16,749	16,657
Health and Human Services <sup>4</sup> .....	108,044	147,125	155,882	147,791	147,162	144,240	140,151	133,942
Social Security Admin.....	(NA)	(NA)	84,272	74,903	68,062	64,832	62,967	77,823
Housing and Urban Development <sup>5</sup> .....	15,180	17,161	16,954	14,279	12,996	12,393	12,269	11,843
Interior.....	73,381	60,198	77,257	78,899	79,582	76,681	77,486	73,980
Justice.....	39,257	51,541	56,327	57,094	58,899	61,389	64,433	65,329
Labor.....	10,991	14,534	23,400	19,248	19,083	18,320	18,280	17,467
State.....	39,753	30,376	23,497	24,120	23,961	24,706	25,254	25,325
Transportation.....	65,985	75,035	72,381	62,392	62,959	62,761	62,227	61,291
Treasury.....	92,521	121,548	124,883	118,848	126,020	130,854	130,084	135,826
Internal Revenue Service.....	(NA)	(NA)	85,981	83,635	89,857	94,842	94,998	100,480
Independent agencies: <sup>7</sup>								
Environmental Protection Agency.....	(X)	10,772	14,715	12,273	11,931	13,048	13,788	14,021
National Aeronautics and Space Administration.....	32,548	26,447	23,714	22,563	22,784	22,085	22,562	22,244
Office of Personnel Management <sup>8</sup> .....	5,588	6,157	6,280	6,563	6,369	6,553	6,353	5,929
Railroad Retirement Board.....	1,734	1,981	1,785	1,558	1,585	1,576	1,891	1,801
Small Business Administration.....	4,269	4,796	5,804	4,975	5,100	5,083	4,980	4,906
Tennessee Valley Authority.....	22,244	28,423	51,714	39,980	37,181	33,589	32,036	30,584
Veterans Administration.....	188,719	213,143	228,285	236,982	236,739	239,923	247,156	240,422

NA Not available. X Not applicable. <sup>1</sup> Excludes agencies not shown separately. <sup>2</sup> Includes other agencies not shown separately. <sup>3</sup> Includes 24,278 enumerators in 1970 census, and 4,975 enumerators in the 1980 census. <sup>4</sup> Dept. of Education established Sept. 1979; formerly included with Health and Human Services. <sup>5</sup> Dept. of Energy established Oct. 1, 1977. <sup>6</sup> Includes Housing and Home Finance Agency. <sup>7</sup> See table 502 for a more complete list of independent agencies. <sup>8</sup> Formerly Civil Service Commission.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Work Force Statistics*.

### NO. 502. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, BY AGENCY, ALL AREAS, SUMMARY: 1980 AND 1986

(As of Sept. 30. See headnote, table 498. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317)

AGENCY	1980	1986	AGENCY	1980	1986
<b>All agencies</b>	<b>2,875,866</b>	<b>3,022,186</b>	<b>Independent agencies</b>	<b>1,101,068</b>	<b>1,203,867</b>
Percent Dept. of Defense	33.4	35.3	ACTION <sup>1</sup>	1,837	483
Percent Postal Service	23.0	26.2	Board of Governors, Federal Reserve System	1,498	1,520
<b>Legislative branch</b>	<b>39,710</b>	<b>36,480</b>	Environmental Protection Agency	14,716	14,021
Congress	19,098	18,368	Equal Employment Opportunity Commission	3,515	3,035
United States Senate	7,195	6,953	Farm Credit Administration	271	517
U.S. House of Representatives	11,901	11,403	Federal Communications Comm.	2,244	1,806
Architect of the Capitol	2,188	2,065	Federal Deposit Insurance Corp.	3,520	8,706
General Accounting Office	5,488	5,152	Federal Emergency Mgmt. Agency	3,427	2,526
Government Printing Office	6,767	5,264	Federal Home Loan Bank Board	1,470	812
Library of Congress	5,527	4,809	Federal Trade Commission	1,848	1,079
All other	664	822	General Services Administration	37,654	23,057
<b>Judicial branch</b>	<b>15,178</b>	<b>18,968</b>	International Trade Commission	424	496
United States Courts	14,647	18,639	Interstate Commerce Commission	1,998	745
Supreme Court	331	327	Merit System Protection Board	435	394
<b>Executive branch<sup>2</sup></b>	<b>2,820,976</b>	<b>2,986,773</b>	National Aeronautics and Space Administration	23,714	22,244
<b>Executive Office of the President</b>	<b>1,886</b>	<b>1,492</b>	Nat'l Archives and Records Administration <sup>3</sup>	(x)	3,164
White House Office	408	358	National Credit Union Administration	726	667
Office of Management and Budget	616	535	National Labor Relations Board	2,936	2,324
Council of Economic Advisors	35	32	National Science Foundation	1,364	1,180
Council on Environmental Quality	49	9	Nuclear Regulatory Commission	3,283	3,521
National Security Council	89	66	Office of Personnel Management	8,280	5,929
All other	711	493	Panama Canal Commission	8,700	6,350
<b>Executive departments</b>	<b>1,716,976</b>	<b>1,781,644</b>	Peace Corps <sup>4</sup>	(x)	1,023
Agriculture	129,139	113,147	Pension Benefit Guaranty Corp.	463	483
Commerce	48,563	34,397	Railroad Retirement Board	1,795	1,801
Census	19,925	8,539	Securities and Exchange Comm.	2,056	1,934
Defense	960,116	1,067,874	Selective Service System	97	296
Education	7,364	4,554	Small Business Administration	5,804	4,806
Energy	21,567	18,657	Smithsonian Institution	4,403	4,795
Health and Human Services	155,662	133,842	Soldiers and Sailors Home	894	1,066
Housing and Urban Development <sup>5</sup>	16,984	11,843	Tennessee Valley Authority	51,714	30,964
Interior	77,357	73,980	U.S. Information Agency	8,138	9,078
Justice	58,327	65,529	U.S. International Development Cooperation Agency	6,152	4,798
Labor	23,400	17,487	U.S. Postal Service	880,014	780,980
State	23,497	25,325	Veterans Administration	226,265	240,423
Transportation	72,381	61,281	All other	7,267	5,101
Treasury	124,663	135,628			

<sup>1</sup> Excludes agencies not shown separately. <sup>2</sup> Includes Commission on Security and Cooperation in Europe, not shown separately. <sup>3</sup> Includes agencies not shown separately. <sup>4</sup> Includes Housing and Home Finance Agency. <sup>5</sup> Peace Corps was part of ACTION in 1980; Peace Corps re-established Dec. 29, 1981. <sup>6</sup> Agency became independent from General Services Administration in 1985.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*.

### NO. 503. FEDERAL GOVERNMENT EMPLOYMENT, BY RACE AND HISPANIC ORIGIN, AND BY PAY SYSTEM: 1982 AND 1985

(As of Sept. 30. Covers total employment for only Executive Branch agencies participating in OPM's central personnel data file. Excludes foreign nationals abroad and U.S. Postal Service)

PAY SYSTEM	1982					1985, est.				
	Total employment (1,000)	Minority groups				Total employment (1,000)	Minority groups			
		Total <sup>1</sup> (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)		Total <sup>1</sup> (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)
<b>All pay systems, total<sup>2</sup></b>	<b>2,008.6</b>	<b>484.0</b>	<b>24.1</b>	<b>311.1</b>	<b>99.0</b>	<b>2,087.7</b>	<b>634.5</b>	<b>25.6</b>	<b>336.4</b>	<b>102.4</b>
General schedule and equivalent <sup>3</sup>	1,508.3	336.2	22.3	222.0	59.0	1,578.7	382.1	24.2	248.7	69.2
GS 1-4 (\$9,339-\$16,723)	303.6	101.9	33.6	71.0	16.1	299.3	111.5	37.3	78.4	18.0
GS 5-6 (\$14,390-\$25,862)	484.9	126.5	27.2	90.2	20.2	486.6	142.3	29.2	98.9	23.9
GS 9-12 (\$21,804-\$41,105)	530.0	87.6	16.5	50.1	18.7	572.7	104.9	18.3	59.3	22.7
GS 13-15 (\$37,599-\$67,940)	208.8	20.1	9.6	10.7	4.0	220.0	23.3	10.6	12.1	4.9
Executive, total	7.8	.6	7.2	.3	1	7.7	.5	6.5	.3	.1
Wage systems	414.0	134.8	32.5	83.5	28.0	422.6	139.5	33.0	84.5	30.2
Other pay systems <sup>4</sup>	69.3	10.1	14.6	3.7	2.3	75.3	11.2	14.9	4.1	2.7

<sup>1</sup> Includes American Indians, Alaska natives, Asians, and Pacific Islanders, not shown separately. <sup>2</sup> Due to the inclusion of unspecified employees records, the pay systems listed do not add to the total. <sup>3</sup> Pay rates as of January 1985 for general schedule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown. <sup>4</sup> Includes white-collar employment in other than General Schedule and Equivalent or Executive pay plans.

Source: U.S. Office of Personnel Management, 1982 Affirmative Employment Statistics, biennial, and unpublished data.

## No. 504. FEDERAL LAND AND BUILDINGS OWNED AND LEASED: 1960 TO 1985

[For fiscal years ending in year shown; see text, section 9. Covers Federal real property throughout the world, except as noted. Totals include data not shown separately. For data on Federal land by State, see table 322]

ITEM AND AGENCY	Unit	1960	1970	1975	1980	1985	1982	1984	1985
<b>Federally owned:</b>									
Land, total	ML. acres	772	762	761	720	730	732	727	727
Dept. of Agriculture	ML. acres	166	167	166	164	169	169	169	169
Dept. of Defense	ML. acres	30	31	31	30	23	29	24	29
Dept. of the Interior	ML. acres	563	540	538	502	511	507	500	500
Buildings, number <sup>1</sup>	1,000	112	416	406	403	387	416	438	484
Dept. of Defense <sup>1</sup>	1,000	21	319	312	301	292	321	323	354
Dept. of the Interior	1,000	21	34	30	34	35	37	38	37
Buildings, floor area <sup>1</sup>	ML. sq. ft.	2,445	2,542	2,502	2,522	2,467	2,606	2,725	2,860
Dept. of Defense <sup>1</sup>	ML. sq. ft.	1,829	1,867	1,802	1,777	1,707	1,866	1,928	2,085
General Services Administration	ML. sq. ft.	122	205	194	202	199	199	204	207
Dept. of the Interior	ML. sq. ft.	42	61	58	68	68	72	71	71
Veterans Administration	ML. sq. ft.	115	110	111	116	117	119	117	119
Cost of land, buildings, etc. <sup>1</sup>	BL. dol.	53	79	81	107	117	132	147	146
Dept. of Defense	BL. dol.	31	44	58	80	86	73	77	72
Dept. of the Interior	BL. dol.	5	8	10	10	12	12	13	14
<b>Federally leased:</b>									
Land	ML. acres	1.9	1.8	1.2	1.4	1.4	1.4	1.6	1.3
Dept. of Defense	ML. acres	1.7	1.4	1.0	1.2	1.2	1.1	1.1	.5
Buildings, floor area <sup>1</sup>	ML. sq. ft.	97	162	210	214	215	206	209	237
Dept. of Defense <sup>1</sup>	ML. sq. ft.	11	7	13	14	14	14	14	13
Rental property, cost	ML. dol.	174	451	664	1,054	1,422	1,532	1,547	1,661
Dept. of Defense	ML. dol.	35	63	65	165	314	323	324	326

<sup>1</sup> Excludes data for Dept. of Defense military functions outside United States. \* See headline, table 505.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

## No. 505. FEDERALLY OWNED LAND AND COST OF LAND, BY PREDOMINANT USAGE: 1960 TO 1985

[As of end of fiscal year; see text, section 9. Covers land in United States only (50 States and DC). Cost of land figures represent total cost of property owned in year shown and exclude unreserved public domain; public domain reserved for national parks, national forests, military installations and other purposes; and historical sites acquired by methods other than by purchase. Properties are reported at actual or estimated cost as of date of acquisition without considering depreciation, obsolescence, or economic changes in value. For data on Federal land by State, see table 322]

YEAR AND AGENCY	Total <sup>1</sup>	Forest and wildlife	Grazing	Parks and historic sites	Military, inc. airfields	Flood control, navigation	Reclamation, irrigation	Power development	Airfields
<b>LAND (mil. acres)</b>									
1960, total	771.5	513.5	166.7	22.4	18.3	5.5	8.0	1.8	2.0
1965, total	765.8	508.4	165.2	22.8	15.7	6.7	7.8	1.8	2.0
1970, total	761.3	503.2	163.5	24.8	17.7	7.4	7.5	2.1	1.5
1975, total	760.4	502.3	164.0	25.3	18.1	8.0	7.0	1.5	2.3
1978, total	775.2	514.8	162.7	26.7	20.8	8.2	6.1	1.6	1.5
1979, total	772.1	512.5	162.5	26.5	18.0	8.3	6.0	1.5	1.5
1980, total	719.5	421.8	162.2	92.8	18.5	8.3	4.8	1.5	.4
1981, total	730.8	432.3	161.7	102.2	10.5	6.4	3.8	1.6	1.1
1982, total	729.8	433.3	161.8	100.6	10.6	6.5	3.7	1.5	.7
1983, total	732.0	434.0	162.1	95.6	18.8	8.3	3.8	1.5	1.5
1984, total	728.6	430.4	153.0	91.4	19.8	8.3	5.9	1.2	2.5
1985, total	727.4	430.8	154.7	94.0	28.0	5.8	5.3	1.0	2.4
<b>COST OF LAND (mil. dol.)</b>									
1960	2,956	130	22	142	348	1,063	170	219	195
1965	4,128	237	18	180	298	1,915	224	204	203
1970	5,475	350	26	373	331	2,591	312	251	162
1975	6,872	589	26	818	334	3,381	313	273	199
1978	6,762	789	27	1,047	477	3,914	580	296	133
1979	9,680	900	27	1,417	480	4,104	377	286	146
1980	9,982	975	28	1,660	502	4,331	365	304	123
1981	10,355	1,121	29	1,823	274	4,504	264	321	240
1982	10,777	1,211	29	1,807	266	4,696	260	316	194
1983	10,972	1,236	29	2,114	266	4,628	261	323	206
1984	12,324	1,223	26	2,799	349	4,615	436	306	327
1985	12,860	1,349	25	2,972	399	4,772	367	290	361

<sup>1</sup> Includes other uses not shown separately.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

## NO. 506. PUBLIC LANDS—DISPOSAL TRANSACTIONS AND CASH RECEIPTS: 1961 TO 1986

[For fiscal year ending in year shown; see text, section 9. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970*, series J 10-15 and J 20-32]

ITEM	Unit	1961-1970, total	1971-1978, total	1979-1986, total	1980	1981	1982	1983	1984	1985	1986
Applications, entries, and selections allowed <sup>1</sup>	1,000 acres	17,518	13,078	<sup>2</sup> 134,014	1,167	1,311	10,360	6,360	1,835	1,404	4
Alaska	1,000 acres	15,018	12,898	<sup>2</sup> 133,832	1,180	1,277	10,280	6,146	1,801	1,131	-
Applications, entries, and selections approved <sup>1</sup>	1,000 acres	4,177	4,704	13,262	175	340	18,121	16,907	4,837	6,491	883
Alaska	1,000 acres	2,537	4,270	13,013	2	321	17,986	16,580	4,289	6,095	885
Patents and certificates <sup>1</sup>	1,000 acres	11,524	5,584	14,388	2,485	1,258	411	723	1,449	4,217	3,704
Alaska	1,000 acres	6,060	4,470	13,864	2,443	1,080	191	244	979	3,729	3,254
Homestead entries: <sup>3</sup>											
Allowed	Number	2,383	211	25	1	12	3	1	20	4	-
Acres	1,000	282	24	3	(2)	1	(2)	(2)	2	1	-
Approved <sup>4</sup>	1,000 acres	172	42	13	1	2	2	1	3	2	-
Cash receipts	ML dol	4,789	16,140	16,715	5,079	11,279	7,980	11,980	7,814	6,839	5,864
Mineral leases <sup>5</sup>	ML dol	1,084	984	2,133	818	739	1,189	988	1,005	1,188	904
Outer Continental Shelf leases <sup>6</sup>	ML dol	2,816	14,462	15,072	4,101	10,136	6,250	10,482	6,664	5,542	4,716
Timber sales	ML dol	479	485	1,083	216	216	67	107	153	138	182
Public land, materials sales	ML dol	29	28	29	8	5	4	12	14	12	14
Fees and commissions	ML dol	38	47	152	29	44	4	2	2	2	2
Miscellaneous <sup>7</sup>	ML dol	214	155	355	108	136	386	191	48	76	86

- Represents zero. Z Less than 500 acres. <sup>1</sup> Covers homestead, desert land, and mineral entries, public auction sales, Indian and State selections; and other disposal transactions; excludes Indian fee and release trusts and cursive and supplemental patents. <sup>2</sup> Includes entries under the Alaska Native Claims Act of Dec. 18, 1971. <sup>3</sup> Excludes ceded Indian lands. <sup>4</sup> Excludes commuted homesteads. <sup>5</sup> Source: Minerals Management Service, *Mineral Revenues*, annual. <sup>6</sup> Includes grazing revenues, rental of land, oil and gas pipeline right-of-way rentals (as of fiscal year 1984), and other miscellaneous revenues. <sup>7</sup> Source: Except as noted, U.S. Bureau of Land Management, *Public Land Statistics*, annual.

## NO. 507. PUBLIC LANDS—LEASES, PERMITS, AND LICENSES, BY CLASS: 1960 TO 1986

[As of end of fiscal year except as noted; see text, section 9. Excludes leases on acquired, submerged, and military lands. Excludes community pit and mineral material free use permits. See *Historical Statistics, Colonial Times to 1970*, series J 41-42, for oil and gas leases]

YEAR	MINERAL CLASS							GRAZING <sup>8</sup>	
	Total	Leases				Permits <sup>9</sup>	Licenses	Leases <sup>8</sup>	Permits <sup>8</sup>
		Total	Oil and gas <sup>1</sup>	Coal <sup>2</sup>	Other				
<b>Number:</b>									
1960	142,114	140,057	139,534	294	229	2,035	22	9,911	16,976
1965	101,863	101,086	100,339	379	368	783	14	8,912	16,712
1970	100,596	100,010	99,038	525	447	583	5	8,869	16,627
1975	104,075	103,762	102,815	529	416	309	4	7,785	15,480
1977	104,377	104,079	102,130	523	1,426	294	4	7,782	15,089
1978	105,284	105,088	102,984	524	1,580	183	13	8,884	14,835
1979	107,176	107,014	104,769	535	1,710	139	23	7,773	14,576
1980	106,125	105,963	103,671	522	1,870	132	30	7,700	14,741
1981	111,842	111,645	109,041	562	2,042	157	40	7,621	14,628
1982	118,589	118,365	115,389	607	2,369	149	75	7,637	12,858
1983	<sup>3</sup> 133,337	132,861	129,881	611	2,369	149	75	7,686	12,858
1984	<sup>3</sup> 118,254	117,849	115,382	450	2,017	348	57	7,560	13,059
1985	119,419	119,101	116,985	625	1,491	318	2	7,587	12,489
1986	105,513	105,226	102,865	606	1,736	248	41	7,218	12,284
<b>Acres (1,000):</b>									
1960	118,157	114,136	113,667	189	270	4,020	1	16,532	(NA)
1965	85,267	84,955	84,148	374	433	1,311	1	16,057	(NA)
1970	85,374	84,323	83,030	764	529	1,051	(Z)	16,262	(NA)
1975	82,518	81,885	80,621	780	486	733	(Z)	17,144	(NA)
1977	86,903	86,275	83,319	791	2,164	526	2	16,387	(NA)
1978	90,202	89,823	86,585	790	2,447	334	45	24,705	(NA)
1979	96,482	96,109	92,642	798	2,669	290	74	17,534	(NA)
1980	100,585	100,196	96,503	788	2,909	278	109	17,029	(NA)
1981	117,257	116,777	112,729	833	3,215	337	143	17,180	(NA)
1982	151,743	151,193	146,502	910	3,781	189	361	17,488	157,375
1983	<sup>3</sup> 163,330	162,506	157,814	911	3,781	189	361	16,886	157,575
1984	<sup>3</sup> 136,323	135,827	131,656	705	3,457	263	233	18,375	164,889
1985	124,463	124,095	120,667	934	2,474	358	12	16,492	148,897
1986	96,717	96,236	92,731	901	2,604	340	141	16,232	147,146

NA Not available. Z Less than 500 acres. <sup>1</sup> For data on Outer Continental Shelf, see section 26. <sup>2</sup> Includes competitive, noncompetitive, preference right, and exchange leases as of fiscal year 1985. <sup>3</sup> Does not include free-use permits for disposition of mineral materials (sand and gravel, top soil, quarry rock, etc.). <sup>4</sup> 1960-1977 as of Dec. 31 1978-1982, as of Feb. 28 of following year. Beginning 1983, as of Sept. 30. <sup>5</sup> Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States and administered by the Bureau of Land Management and which are subject to leasing for grazing purposes. <sup>6</sup> Licenses and permits within grazing districts. <sup>7</sup> Includes miscellaneous nonenergy leases, permits, and licenses on acquired, military, and other Federal lands not separable by type.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.



## Section 11

# National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* issued by the Office of the Secretary of Defense; *Annual Report of Administrator of Veterans Affairs*, Veterans Administration, and *The Budget of the United States Government*, Office of Management and Budget. For more data on expenditures, personnel, and ships, see section 31.

**Department of Defense (DOD).**—The Department of Defense is responsible for providing the military forces of the United States. It includes the Office of the Secretary of Defense, the Organization of the Joint Chiefs of Staff, the Army, Navy, Air Force, and the defense agencies. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified and specified commands (e.g., Strategic Air Command).

**Reserve components.**—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law.

The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. In peacetime, the National Guard is State-administered, and trained under the authority of the State Governors. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal authority in any State.

The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives explicit approval. The retired reserve represents a low potential for mobilization.

**Veterans Administration.**—The Veterans Administration (VA) administers laws authorizing benefits for eligible former and present members of the Armed Forces, and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include: Compensation for service-connected disability or death; pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with active duty service during periods of war or armed conflict and until 1962 include those living outside the United States. Veteran population estimates for September 1962 are for the 50 States, the District of Columbia and Puerto Rico. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veterans benefits and, where appropriate, are included in VA estimates.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1988*. For cross-references, see Appendix V.

## NO. 506. NATIONAL DEFENSE OUTLAYS AND VETERANS BENEFITS: 1960 TO 1967

[For fiscal year ending in year shown; see text, section 9. Includes outlays of Department of Defense, Veterans Administration, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 472-473 and Y 476, for related data]

YEAR	NATIONAL DEFENSE AND VETERANS OUTLAYS				ANNUAL PERCENT CHANGE <sup>1</sup>				DEFENSE OUTLAYS, PERCENT OF—	
	Total outlays (bil. dol.)	Defense outlays		Veterans outlays (bil. dol.)	Total outlays Current dollars	Defense outlays		Veterans outlays	Federal outlays	Gross national product <sup>2</sup>
		Current (1962) (bil. dol.)	Constant (1962) (bil. dol.)			Current dollars	Constant (1962) dollars			
1960	53.5	48.1	192.1	5.4	2.5	2.4	-1.9	3.1	52.2	9.5
1961	58.0	52.3	202.2	5.8	4.0	4.3	2.8	1.7	49.0	9.4
1962	58.9	53.4	197.1	5.5	1.7	2.0	-2.5	-1.9	48.0	9.1
1963	60.4	54.8	198.8	5.7	2.7	2.5	.9	2.9	46.2	8.7
1964	56.3	50.6	181.4	5.7	-6.9	-7.6	-8.8	7	42.8	7.5
1965	64.0	58.1	197.9	5.9	13.7	14.6	9.1	3.5	43.2	7.9
1966	78.2	71.4	235.1	6.7	22.3	22.9	10.8	13.8	45.4	9.0
1967	89.0	81.8	254.8	7.0	13.4	14.7	8.4	4.4	48.0	9.6
1968	90.1	82.5	243.4	7.8	1.5	.7	-4.5	8.5	44.9	8.9
1969	90.4	81.7	225.6	8.7	.9	-1.0	-7.3	13.6	41.8	8.3
1970	88.7	78.9	200.7	8.8	-1.9	-3.5	-10.2	12.7	37.5	7.5
1971	88.9	79.2	190.9	10.7	1.4	.4	-5.8	9.8	34.3	6.9
1972	88.7	78.7	175.1	12.0	1.3	-3.1	-8.3	12.0	31.2	6.9
1973	92.7	79.3	183.3	13.4	4.5	3.5	-6.7	11.4	29.5	5.8
1974	103.1	86.5	159.8	16.8	11.2	9.0	-2.1	24.0	26.0	5.7
1975	109.1	89.6	163.6	18.4	4.8	3.8	-3.9	11.0	24.1	5.3
1976, to <sup>3</sup>	26.2	22.3	37.1	4.0	(x)	(x)	(x)	(x)	23.2	5.0
1977	115.3	97.2	154.3	18.8	6.7	8.5	.8	-2.1	23.8	5.0
1978	123.5	104.5	155.0	19.0	7.2	7.5	.8	5.2	22.8	4.8
1979	138.3	116.3	159.1	19.9	10.3	11.3	2.8	5.9	23.1	4.8
1980	155.2	134.0	164.0	21.2	14.0	15.2	3.1	6.3	22.7	5.0
1981	180.5	157.5	171.4	23.0	18.2	17.5	4.5	8.5	23.2	5.3
1982	209.3	185.3	185.3	24.0	18.0	17.8	8.1	4.2	24.9	5.9
1983	234.7	209.9	201.3	24.8	12.1	13.3	8.6	3.7	26.0	6.3
1984	253.0	227.4	211.5	25.6	7.8	8.3	5.1	3.1	26.7	6.2
1985	279.0	252.7	228.7	28.3	10.3	11.1	8.1	2.6	26.7	6.4
1986	299.7	273.4	242.1	29.4	7.4	8.2	5.9	.2	27.6	6.6
1987, est.	306.9	282.2	242.5	28.7	3.0	3.1	.2	1.2	27.8	6.4

X Not applicable. <sup>1</sup> Change from prior year shown; for 1980, change from 1965. <sup>2</sup> Represents fiscal year GNP; for definition, see text, section 14. <sup>3</sup> Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

## NO. 509. FEDERAL BUDGET OUTLAYS FOR NATIONAL DEFENSE FUNCTIONS: 1970 TO 1987

[In billions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 473, for total]

DEFENSE FUNCTION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total	81.7	98.5	97.2	104.5	118.3	134.0	157.5	185.3	209.9	227.4	252.7	273.4	282.2
Annual percent change <sup>1</sup>	10.1	9.0	8.5	7.5	11.3	15.2	17.5	17.6	13.3	8.3	11.1	8.2	3.2
Defense Dept., military	80.2	85.9	95.3	102.3	113.7	131.0	153.9	180.7	204.4	220.8	245.4	265.6	274.2
Military personnel	29.0	32.2	33.7	35.8	37.3	40.9	47.9	55.2	60.9	64.2	67.8	71.5	70.8
Percent of military	36.2	37.5	35.3	34.7	32.9	31.2	31.2	30.5	29.8	29.1	27.6	26.9	25.8
Operation, maintenance	21.6	25.3	30.6	33.6	36.4	44.8	51.9	59.7	64.9	67.4	72.3	75.3	76.7
Procurement	21.6	16.0	18.2	20.0	25.4	29.0	35.2	43.3	53.8	61.9	70.4	76.5	82.7
Research and development	7.2	8.9	9.8	10.5	11.2	13.1	15.3	17.7	20.6	23.1	27.1	32.3	34.2
Military construction	1.2	1.5	1.9	1.9	2.1	2.5	2.5	2.9	3.5	3.7	4.3	5.1	6.0
Family housing	.6	1.1	1.4	1.4	1.5	1.7	1.7	2.0	2.1	2.4	2.6	2.8	2.8
Other <sup>2</sup>	-1.0	-1.1	.2	.8	-2	-1.0	-8	(-2)	-1.2	-1.8	.8	2.2	2.1
Atomic energy activities <sup>3</sup>	1.4	1.5	1.9	2.1	2.5	2.9	3.4	4.3	5.2	6.1	7.1	7.4	7.4
Defense-related activities <sup>4</sup>	1	-9	(-2)	1	1	1	.3	.3	.3	.5	.3	.3	.8

Z Less than \$50 million. <sup>1</sup> Change from immediate prior year; for 1970, change from 1965. <sup>2</sup> Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. <sup>3</sup> Defense activities only. <sup>4</sup> Includes civil defense activities.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.



## NO. 510. DEPARTMENT OF DEFENSE—FUNDS AVAILABLE AND OUTLAYS: 1970 TO 1967

[In billions of dollars, except percent. For fiscal year ending in year shown, except as noted; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 452-460 for outlays]

ITEM	1970	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Funds available	80.5	102.8	131.5	157.5	148.2	167.2	204.6	243.4	280.9	309.3	348.8	381.1	378.5
Budget authority	75.4	87.6	110.2	117.2	126.5	145.8	180.0	216.5	245.0	265.2	294.7	289.1	282.9
Military <sup>1</sup>	74.2	85.8	108.1	114.8	123.7	140.7	175.0	211.6	238.7	258.2	285.8	281.4	284.9
Civil	1.2	1.8	2.1	2.6	2.8	3.1	4.0	5.0	6.4	7.0	7.9	7.8	8.0
Unobligated balance <sup>2</sup>	15.1	15.3	21.3	20.3	21.7	23.3	24.8	26.9	35.0	44.1	52.1	72.0	86.7
Military	14.8	15.1	21.0	20.0	21.3	23.0	24.2	26.5	34.6	43.4	51.8	69.5	80.5
Civil	.3	.2	.3	.3	.4	.3	.4	.4	.4	.7	.5	10.5	38.2
Outlays (DOD) <sup>3</sup>	78.5	87.0	97.8	104.5	116.5	134.0	157.5	186.3	208.9	227.4	252.7	273.4	282.2
Percent of funds available	86.5	84.6	74.2	75.5	77.8	79.2	78.4	78.7	71.8	70.7	68.4	70.8	69.5
Military	77.1	84.8	95.6	102.3	119.7	131.0	153.8	180.7	204.4	220.8	245.4	265.6	274.2
Civil	1.2	2.1	2.3	2.1	2.7	3.0	3.7	4.8	5.5	6.6	7.4	7.7	8.0

<sup>1</sup> Excluding apurals. <sup>2</sup> Start of year. <sup>3</sup> Includes nondefense civil outlays by other departments.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

## NO. 511. DEPARTMENT OF DEFENSE—MILITARY BUDGET AUTHORITY BY MAJOR MISSION: 1975 TO 1987

[In billions of dollars, except as indicated. For fiscal year ending in year shown; see text, section 9. Detail may not add to total because of revisions to total and not to detail]

MISSION	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total	87.8	123.7	140.7	175.0	211.5	238.7	258.2	298.5	291.4	284.5
General purpose	28.1	47.4	52.2	65.8	88.1	98.5	100.7	118.4	116.2	117.2
Training, medical	20.0	25.4	29.2	35.3	39.8	42.2	43.3	33.8	33.6	36.3
Research and development	7.7	10.9	11.9	14.2	16.9	18.7	21.5	24.4	25.7	28.0
Intelligence and communications	8.3	8.0	9.1	11.2	13.9	17.3	20.0	25.1	26.4	28.2
Strategic forces	7.2	8.0	11.1	12.7	15.3	19.7	26.1	27.4	24.2	21.5
Central supply and maintenance	9.1	13.0	16.0	19.1	21.1	21.8	23.4	28.7	24.4	23.1
Guard and reserve	4.8	6.9	7.9	9.9	10.8	12.1	12.2	15.8	15.6	16.0
Airift and sealift	.9	1.7	2.1	2.9	4.0	4.3	5.5	8.7	7.8	7.2
Admin. and assoc. activities	2.0	2.3	2.5	3.4	3.6	4.1	4.8	6.1	7.1	6.7
Support of other nations	1.8	.4	.6	.9	.9	.7	.7	.6	.5	.7
PERCENT DISTRIBUTION										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
General purpose	32.0	37.9	36.8	36.8	41.2	41.3	39.0	41.3	41.3	41.1
Training, medical	22.8	21.1	20.5	19.8	18.5	17.8	16.8	11.7	11.9	12.7
Research and development	8.8	8.7	8.3	8.0	7.8	7.8	8.3	8.5	9.1	9.8
Intelligence and communications	7.2	6.4	6.4	6.3	6.5	7.2	7.7	8.8	9.4	9.9
Strategic forces	8.2	6.4	7.9	7.1	7.2	8.2	10.1	9.6	8.6	7.5
Central supply and maintenance	10.4	10.4	11.2	10.7	9.9	9.0	9.1	9.3	8.7	8.1
Guard and reserve	5.5	5.5	5.5	5.5	5.0	5.1	4.7	5.5	5.5	5.6
Airift and sealift	1.0	1.4	1.5	1.6	1.9	1.8	2.1	3.0	2.7	2.5
Admin. and assoc. activities	2.3	1.8	1.8	1.9	1.7	1.7	1.9	2.1	2.5	2.4
Support of other nations	2.0	.3	.4	.5	.4	.3	.3	.2	.2	.2

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

## NO. 512. FEDERAL RESEARCH AND DEVELOPMENT FUNDING FOR NATIONAL DEFENSE: 1980 TO 1987

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Represents budget authority data]

DEFENSE PROGRAMS	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total <sup>1</sup>	14.9	18.4	22.1	24.9	25.3	33.7	36.9	40.3
Department of Defense (DOD)—military	13.6	17.1	20.5	23.3	27.3	31.4	34.7	37.9
Research, development, test and evaluation	13.2	16.5	19.9	22.6	26.8	30.9	33.7	36.9
Tactical programs	5.2	6.1	6.9	7.3	7.9	9.1	10.3	11.0
Strategic programs	2.2	3.4	4.6	5.8	7.9	8.2	7.5	8.1
Intelligence and communications	1.2	1.6	2.2	2.7	3.4	4.0	4.5	4.9
Advanced technology development	.6	.8	.8	.8	1.4	2.8	4.1	5.4
Defensewide mission support	1.9	2.1	2.5	2.8	3.0	3.8	4.1	4.2
Technology base	2.3	2.6	2.9	3.2	3.1	3.1	3.2	3.2
Other DOD military	.5	.6	.6	.7	.7	.8	1.0	.9
Atomic energy defense activities (DOE) <sup>2</sup>	1.1	1.3	1.5	1.6	1.8	2.3	2.3	2.4
Weapons research, development, and testing	.8	.8	.9	.9	1.3	1.5	1.5	1.5
Naval reactors development	.2	.2	.3	.3	.4	.4	.5	.5

<sup>1</sup> Includes other programs not shown separately. <sup>2</sup> Department of Energy.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

### NO. 513. DEFENSE PURCHASES, NATIONAL INCOME AND PRODUCT ACCOUNT (NIPA) BASIS: 1980 TO 1986

(In billions of dollars, except percent. National defense purchases on a NIPA basis will differ from other published measures of DOD spending, such as budget authority or outlays, because of coverage and timing differences. See source for further detail.)

PURCHASES	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
Total purchases	142.7	185.8	214.4	235.0	258.4	277.8	171.3	182.8	208.9	219.4	236.7	250.9
Percent of GNP <sup>1</sup>	5.2	6.1	6.3	6.2	6.5	6.6	5.4	6.1	6.3	6.3	6.6	6.8
Durable goods	33.0	40.2	58.1	65.5	74.9	82.5	40.3	49.2	50.1	61.2	70.4	77.2
Military equipment <sup>2</sup>	26.8	40.2	48.6	55.5	64.0	70.8	33.0	40.2	40.4	51.2	56.8	63.8
Aircraft	10.9	16.8	20.4	21.6	25.9	31.6	13.6	16.6	19.0	18.5	22.6	26.3
Ships	4.2	6.0	6.9	7.7	8.5	8.7	5.0	6.0	6.7	7.0	7.5	7.6
Missiles	3.8	5.7	7.0	8.5	9.7	12.2	4.7	5.7	6.7	8.1	9.2	11.9
Nondurable goods <sup>3</sup>	10.9	13.6	12.6	12.2	12.2	10.6	12.4	13.6	13.5	13.6	13.6	14.8
Bulk petroleum	7.6	9.2	7.6	6.6	6.6	4.3	6.6	9.2	6.6	6.3	6.4	8.5
Ammunition	1.6	2.3	2.7	3.1	3.2	4.0	2.0	2.3	2.6	3.0	2.9	3.8
Services <sup>4</sup>	95.7	127.1	138.8	152.4	166.1	177.5	115.3	127.1	132.6	140.0	146.3	152.3
Compensation of employees	66.0	84.0	88.6	94.8	101.1	104.6	79.7	84.0	85.6	89.9	88.3	86.8
Military	43.5	56.6	60.2	63.5	67.6	70.4	53.8	56.6	57.6	58.6	59.5	59.7
Structures	3.1	3.9	4.6	5.0	6.1	6.8	3.3	3.9	4.8	4.7	5.5	5.9

<sup>1</sup>GNP=Gross national product. <sup>2</sup>Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July 1987 issue.

### NO. 514. MILITARY PRIME CONTRACT AWARDS TO ALL BUSINESSES, BY PROGRAM: 1975 TO 1986

(In billions of dollars. Net values for fiscal year ending in year shown; see text, section 8. Includes all new prime contracts; debit or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts.)

DOD PROCUREMENT PROGRAM	1975	1980	1981	1982	1983	1984	1986	1986			
								Total	Per- cent small business <sup>1</sup>	Per- cent women owned	Small disadvan- taged businesses
Total	45.9	93.7	106.3	124.7	140.5	146.6	163.7	168.6	(NA)	(NA)	(NA)
Intragovernmental <sup>2</sup>	5.0	10.2	9.8	12.8	9.9	10.1	12.4	9.9	(NA)	(NA)	(NA)
For work outside the U.S.	2.4	5.4	6.8	7.5	7.2	8.3	8.6	9.1	(NA)	(NA)	(NA)
Educational and non-profit institutions	.8	1.5	1.7	2.0	2.2	2.7	3.1	3.4	(NA)	(NA)	(NA)
With business firms for work in the United States <sup>3</sup>	37.1	66.7	87.2	102.5	121.1	124.9	139.6	136.5	19.7	.8	2.3
Major hard goods	22.2	41.0	53.3	67.9	60.6	66.3	66.1	92.6	8.1	.3	.9
Aircraft	6.7	12.5	16.5	21.1	26.3	29.2	34.6	32.3	4.2	.2	.3
Electronics and communication equipment	4.7	9.8	11.7	14.2	16.7	16.7	22.0	18.7	11.4	.5	1.7
Missiles and space systems	4.6	7.9	10.2	12.7	14.7	16.7	18.7	19.4	3.3	.3	.5
Ships	3.5	6.0	7.4	9.6	12.8	9.4	10.4	9.4	15.9	.2	1.9
Tank-automotive	.9	2.1	3.6	4.4	4.7	5.0	6.2	5.2	14.6	.3	.8
Ammunition	1.3	1.9	2.1	3.6	3.2	4.0	4.7	4.5	13.8	.1	1.4
Weapons	.4	1.1	1.5	2.3	2.4	2.4	2.6	2.3	14.9	.5	1.4
Services	3.1	5.9	5.8	7.9	10.4	8.5	9.1	10.4	27.8	1.6	7.9
All other	11.9	19.6	26.0	26.7	29.9	30.1	32.3	33.2	49.7	2.0	4.4

NA: Not available. <sup>1</sup>Covers firms not dominant in their fields of operation and employing fewer than 1,000, 750, or 500 persons, depending on industry classifications. For certain types of firms, other criteria are used, such as yearly gross sales.

<sup>2</sup>Includes awards for CHAMPUS. <sup>3</sup>Covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments. <sup>4</sup>Includes Department of Defense contracts awarded for work in U.S. possessions, Commonwealth of Puerto Rico, Trust Territories of the Pacific, and other areas subject to complete sovereignty of U.S., contracts in a classified location; and any intragovernmental contracts entered into overseas.

Source: U.S. Dept. of Defense, *Military Prime Contract Awards*, annual.

### NO. 515. EMPLOYMENT—DEFENSE-RELATED AGENCIES: 1970 TO 1986

(In thousands, except percent. Annual averages)

EMPLOYMENT	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total U.S. employment <sup>1</sup>	80,798	87,524	100,807	102,042	101,194	102,510	106,702	108,866	111,302
Federal	4,948	4,436	4,470	4,417	4,407	4,480	4,804	4,861	4,888
Resident Armed Forces	2,118	1,678	1,804	1,845	1,886	1,876	1,897	1,708	1,768
Civilian personnel <sup>2</sup>	2,731	2,748	2,666	2,772	2,736	2,774	2,907	2,875	2,888
Federal defense-related agencies, excluding Armed Forces <sup>3</sup>	1,311	1,366	846	872	879	1,016	1,333	1,379	1,388
Percent of Federal civilian personnel	44.3	37.7	33.1	36.1	36.7	39.0	38.5	37.3	38.3
Federal defense-related agencies <sup>4</sup>	3,339	2,717	2,662	2,617	2,647	2,862	2,730	2,779	2,768
Percent of total Federal <sup>1</sup>	66.7	61.4	57.1	59.2	60.1	60.5	60.8	60.7	60.6
Percent of total U.S. <sup>1</sup>	4.1	3.1	2.6	2.6	2.6	2.6	2.6	2.6	2.5

<sup>1</sup>Includes resident Armed Forces. <sup>2</sup>Includes U.S. residents only.

<sup>3</sup>Source: Beginning 1980, U.S. Dept. of Defense, *Civilian Manpower Statistics*, annual (Sept. issues).

Source: Except as noted, U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

# 10. 516. DEPARTMENT OF DEFENSE CONTRACT AWARDS, PAYROLL, CIVILIAN AND MILITARY PERSONNEL—STATES: 1984 TO 1986

on ending Sept. 30. Contracts refer to awards made in year specified; expenditures relating to awards may extend over 2 years. Payroll estimates cover active duty military and direct hire civilian personnel, including Army Corps of Engineers. Employees represent direct hire civilian employees; excluded are those who are not subject to Office of Management and Budget ceiling controls, such as summer aides. Military personnel in each department include a number of personnel in a 3rd status. These personnel are in a travel, proceed, leave enroute, or temporary duty status while on permanent change of station (PCS) orders. The Navy and Air Force report these personnel at their location prior to their arrival at their new permanent duty location. The Army includes these personnel in one category entitled "Undistributed," which also includes personnel for which an exact location is undetermined]

STATE	CONTRACT AWARDS <sup>1</sup> (mil. dol.)			PAYROLL (mil. dol.)			CIVILIAN EMPLOYEES (1,000)			MILITARY PERSONNEL (1,000)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
U.S. Total	134,918	140,894	134,026	53,302	54,833	58,458	942.5	978.2	963.8	1,388.7	1,386.8	1,427.8
Alabama	1,132	1,418	1,804	1,181	1,220	1,352	27.1	27.3	26.8	25.2	23.1	23.3
Alaska	437	550	585	477	530	541	4.4	5.0	5.0	21.0	20.4	21.0
Arizona	1,784	2,006	2,532	686	654	754	10.0	10.4	10.6	22.6	20.7	25.8
Arkansas	882	810	887	291	297	362	4.8	4.8	4.9	10.1	9.7	9.9
California	28,520	29,116	27,736	8,886	8,910	9,475	133.8	137.9	135.2	203.8	204.6	209.0
Colorado	1,153	1,583	1,887	988	975	1,081	14.5	14.1	14.1	40.1	38.8	43.0
Connecticut	5,459	5,549	5,441	378	382	414	4.8	5.0	5.0	8.5	8.5	7.2
Delaware	228	261	224	127	124	128	1.7	1.8	1.8	4.9	4.7	4.8
District of Columbia	815	1,104	957	880	842	923	16.0	16.9	16.8	13.0	12.7	13.1
Florida	4,034	5,271	5,864	2,518	2,637	2,867	31.0	33.0	32.0	69.1	73.1	74.7
Georgia	3,123	3,520	3,764	1,894	2,015	2,186	37.5	40.4	39.9	56.7	64.4	68.8
Hawaii	537	626	583	1,670	1,750	1,775	20.8	21.3	20.8	45.3	47.0	44.2
Idaho	51	50	63	130	126	142	1.2	1.3	1.3	5.8	5.8	5.8
Illinois	1,476	1,883	1,735	1,223	1,317	1,621	22.7	22.7	22.1	37.4	40.9	42.1
Indiana	2,522	3,177	2,480	483	504	544	14.4	15.4	15.2	6.3	6.6	6.9
Iowa	405	590	580	54	48	54	1.5	1.5	1.5	4	4	4
Kansas	2,382	2,138	1,855	588	558	637	6.8	7.0	7.1	22.8	23.8	22.5
Kentucky	448	508	557	841	887	1,048	13.9	14.8	14.2	38.3	40.8	38.9
Louisiana	1,855	2,175	1,488	824	832	757	8.1	9.3	9.3	25.7	25.7	25.4
Maine	532	857	564	202	248	432	2.1	10.6	10.1	5.4	5.4	5.8
Maryland	4,013	4,886	4,537	1,875	1,886	2,038	41.3	43.3	42.3	35.8	35.7	35.3
Massachusetts	7,029	7,714	8,735	513	517	543	11.9	12.3	12.2	9.6	8.4	9.2
Michigan	2,510	2,789	2,353	500	540	556	12.1	12.2	12.7	9.3	8.8	8.9
Minnesota	1,828	2,298	2,355	90	86	132	2.7	2.8	2.8	8	8	8
Mississippi	2,180	1,310	1,834	648	851	947	10.7	11.8	11.3	18.2	18.0	18.0
Missouri	6,520	7,813	5,548	780	788	824	20.4	21.0	21.0	16.0	16.1	15.5
Montana	83	102	82	98	97	108	1.1	1.2	1.3	4.0	3.7	3.9
Nebraska	167	193	228	370	379	488	3.8	3.8	4.0	12.9	12.8	13.2
Nevada	129	128	141	245	227	231	1.9	2.1	2.0	10.4	9.7	10.0
New Hampshire	853	678	471	354	290	157	10.1	1.8	1.8	4.2	4.1	4.0
New Jersey	3,278	3,862	3,862	1,077	1,104	1,072	28.3	29.0	27.8	19.9	19.0	20.5
New Mexico	552	565	565	576	566	629	9.5	8.8	9.9	17.0	16.4	16.8
New York	9,515	10,033	9,908	882	860	958	19.0	18.8	19.7	22.4	22.0	22.7
North Carolina	883	1,029	1,048	2,088	2,187	2,179	15.7	16.3	16.1	100.2	98.7	98.1
North Dakota	201	207	229	239	238	250	1.7	1.8	1.8	11.9	11.3	11.1
Ohio	2,804	4,648	5,251	1,187	1,253	1,301	33.2	34.3	33.2	14.3	13.8	11.7
Oklahoma	535	802	775	1,185	1,185	1,308	25.2	26.8	27.3	30.8	31.1	30.7
Oregon	230	256	340	104	112	219	3.0	3.1	3.1	8	8	8
Pennsylvania	3,253	4,148	4,182	1,583	1,587	1,703	53.9	56.7	53.4	7.0	6.7	6.8
Rhode Island	386	431	384	235	247	267	4.4	4.7	4.5	3.9	4.0	4.1
South Carolina	478	490	521	1,588	1,583	1,678	20.0	20.5	20.2	45.7	44.4	47.0
South Dakota	47	78	128	138	126	157	1.2	1.4	1.4	6.3	5.8	6.1
Tennessee	798	793	1,157	378	370	456	7.4	7.3	7.5	12.2	11.0	10.4
Texas	8,730	10,562	10,940	3,738	3,958	4,147	84.5	88.6	83.8	131.2	127.2	135.3
Utah	880	789	714	884	701	735	22.5	23.6	23.3	6.1	6.2	6.0
Vermont	170	183	124	18	17	20	8	8	8	1	1	1
Virginia	4,805	6,167	5,402	5,273	6,405	6,993	103.8	107.2	108.1	95.8	95.8	98.3
Washington	2,884	3,558	2,525	1,889	1,888	1,855	28.3	29.5	28.5	43.0	43.7	42.3
West Virginia	72	90	105	50	51	97	1.5	1.6	1.6	4	4	4
Wisconsin	959	1,085	981	80	88	120	3.1	3.2	3.3	9	9	9
Wyoming	74	125	82	88	92	102	9	1.1	1.1	3.9	3.7	4.1

1. Includes awards for supplies, services, and construction. Net value of contracts of over \$25,000 for work in each State and DC. 2. reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State in which the subcontracted work is done. See also headnote, table 514. 3. Includes undistributed military personnel. 4. The Portsmouth Naval shipyard was reported at Portsmouth, New Hampshire, instead of Kittery, Maine.

Source: U.S. Dept. of Defense. Prime Contract Awards by State, annual. Distribution of Personnel by State—by Selected States, annual; and Atlas/State Data Abstract for the United States and Selected Areas, annual.

## NO. 517. WORLDWIDE MILITARY EXPENDITURES: 1974 TO 1984

(For military expenditures and Armed Forces by country, see section 31. GNP—Gross national product)

COUNTRY GROUP	MILITARY EXPENDITURES (bil. dol.)											PER CAPITA (dol.)	
	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1980	1984
<b>CURRENT DOLLARS</b>													
Worldwide, total <sup>1</sup>	319.9	362.8	392.2	422.1	466.7	514.4	563.6	654.6	734.9	789.1	836.7	121	176
United States	85.8	91.0	91.0	100.9	109.2	122.3	144.0	161.3	196.4	217.2	237.1	632	1,002
Percent of total	26.9	25.1	23.2	23.9	23.4	23.8	24.7	26.0	26.7	27.5	28.4	(x)	(x)
Developed countries <sup>2</sup>	252.8	287.3	306.1	332.7	365.3	405.3	461.7	515.9	576.8	623.8	665.2	426	587
Developing countries <sup>3</sup>	57.1	75.6	86.1	89.4	100.3	109.1	121.9	138.7	158.1	165.3	170.5	36	47
NATO countries <sup>4</sup>	128.9	136.4	142.7	156.8	171.3	190.4	220.3	253.8	288.9	316.6	341.4	381	574
Warsaw Pact countries	128.3	142.6	158.2	167.8	194.7	209.7	227.8	248.0	272.7	289.2	304.9	608	799
Soviet Union	109.0	121.0	133.0	143.0	156.0	175.0	190.0	213.0	232.0	247.0	260.0	738	945
<b>CONSTANT (1963) DOLLARS</b>													
Worldwide, total <sup>1</sup>	606.5	630.0	646.8	660.8	683.9	678.1	708.2	732.9	766.7	789.1	807.8	189	199
United States	183.4	157.9	148.7	155.6	155.8	161.4	174.2	190.2	205.4	217.2	229.2	766	908
Percent of total	26.9	25.1	23.2	23.9	23.5	23.8	24.7	26.0	26.7	27.5	28.4	(x)	(x)
Developed countries <sup>2</sup>	499.9	498.7	500.0	513.0	520.9	535.1	558.7	577.6	603.3	623.8	643.1	516	577
Developing countries <sup>3</sup>	106.6	131.3	146.8	137.8	143.0	143.0	147.5	155.3	165.4	165.3	164.8	44	45
NATO countries <sup>4</sup>	245.2	240.3	233.1	241.8	244.3	251.9	266.5	284.2	302.2	316.6	330.0	461	555
Warsaw Pact countries	244.0	247.6	255.1	258.7	258.3	266.0	275.8	277.6	285.2	289.2	294.8	735	783
Soviet Union	207.3	210.0	217.3	220.5	225.3	231.0	237.2	238.5	242.7	247.0	251.3	623	914
<b>PERCENT OF GNP</b>													
Worldwide, total	5.6	6.0	5.8	5.6	5.5	5.5	5.8	5.7	6.0	6.0	5.9	(x)	(x)
United States	5.8	5.7	5.1	5.1	4.9	4.9	5.3	5.6	6.2	6.4	6.3	(x)	(x)
Developed countries <sup>2</sup>	5.8	5.8	5.6	5.5	5.4	5.4	5.6	5.6	5.9	6.0	5.9	(x)	(x)
Developing countries <sup>3</sup>	5.7	6.6	6.6	6.1	6.2	5.8	5.7	5.9	6.2	6.2	6.0	(x)	(x)
NATO countries <sup>4</sup>	4.8	4.7	4.4	4.4	4.2	4.2	4.4	4.7	5.0	5.2	5.1	(x)	(x)
Warsaw Pact countries <sup>4</sup>	10.9	10.8	10.8	10.6	10.4	10.6	10.7	10.7	10.8	10.7	10.7	(x)	(x)
Soviet Union <sup>4</sup>	12.9	12.9	12.6	12.6	12.4	12.7	12.8	12.7	12.7	12.6	12.6	(x)	(x)

X Not applicable. <sup>1</sup> Includes countries not shown separately. <sup>2</sup> Twenty-eight developed countries; see table 516 for selected countries; for complete list see source. <sup>3</sup> North Atlantic Treaty Organization. <sup>4</sup> The meaning of the ratio of military expenditures to GNP differs somewhat between most Communist countries and non-Communist countries because of different estimating procedures. For details, see source.

## NO. 518. ARMS TRADE IN CONSTANT (1963) DOLLARS—SELECTED COUNTRIES: 1983 TO 1985

(In millions of constant (1963) dollars)

COUNTRY	1983	1984	1985		COUNTRY	1983	1984	1985	
			Total	Arms imports as percent of total imports				Total	Arms imports as percent of total imports
Arms trade, world total <sup>1</sup>	36,808	46,298	36,808	1.4	RECIPIENT COUNTRIES				
EXPORTERS					Developing <sup>1</sup>	31,280	32,350	26,216	4.4
Canada	180	184	178	1	Afghanistan	180	309	140	18.6
China: Mainland	1,600	1,837	327	3	Algeria	675	506	253	3.8
Czechoslovakia	600	701	772	2.2	Angola	750	1,063	412	25.9
France	4,300	3,480	3,067	1	Argentina	875	435	140	3.9
Poland	775	749	655	3.2	Cuba	700	677	746	9.3
Soviet Union	11,000	10,730	8,325	9	Egypt	1,800	1,547	1,029	11.0
United Kingdom	1,450	1,450	638	4	El Salvador	80	87	84	9.4
United States	11,600	9,880	8,793	2	Ethiopia	525	558	365	39.3
West Germany	1,800	2,707	538	4	Greece	480	271	262	2.7
IMPORTERS					India	675	773	1,777	13.8
Developed <sup>1</sup>	8,589	8,033	8,874	5	Iran	875	2,127	748	6.9
Australia	380	580	655	2.7	Iraq	5,800	7,444	1,884	19.9
Canada	310	261	47	1	Israel	500	653	702	7.4
Czechoslovakia	150	435	365	2.2	Jordan	1,000	203	355	13.9
East Germany	650	483	374	1.8	Kuwait	110	377	271	4.4
Hungary	80	145	26	2	Libya	1,800	1,740	1,216	24.0
Italy	130	183	112	1	Morocco	320	164	122	3.4
Japan	775	694	702	6	Nicaragua	140	242	112	14.1
Poland	600	251	514	3.2	North Korea	120	77	261	17.4
Romania	50	68	19	2	Oman	350	300	94	(na)
Soviet Union	1,100	987	725	9	Pakistan	440	532	365	6.8
United Kingdom	650	773	440	4	Peru	190	203	75	4.4
United States	800	464	538	2	Saudi Arabia	3,800	2,513	2,339	(na)
West Germany	430	506	655	4	South Korea	380	377	355	1.2
					Spain	250	145	122	4
					Syria	2,000	1,450	685	(na)
					Turkey	600	484	365	3.5
					Venezuela	80	348	309	4.6
					Vietnam	600	773	655	(na)
					Yemen (Sanaa)	330	77	84	(na)

NA Not available. <sup>1</sup> Includes countries not shown separately.Source of tables 517 and 518: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers, annual*.

**19. ARMS TRANSFERS—CUMULATIVE VALUE FOR PERIOD 1961 TO 1965, BY MAJOR SUPPLIER, AND RECIPIENT COUNTRY**

(In millions of dollars)

RECIPIENT	Total <sup>1</sup>	SUPPLIER								
		Soviet Union	United States	France	United Kingdom	West Germany	China: Mainland	Italy	Poland	Czechoslovakia
<b>of total <sup>1</sup></b>	<b>100,230</b>	<b>55,790</b>	<b>49,270</b>	<b>19,295</b>	<b>8,765</b>	<b>7,810</b>	<b>5,478</b>	<b>4,825</b>	<b>3,965</b>	<b>3,295</b>
Africa	27,515	13,575	1,390	2,719	899	890	895	1,800	300	915
Asia	3,890	3,200	170	100	180	180	-	40	-	10
Europe	2,975	2,800	-	10	-	-	-	-	-	5
Latin America	2,100	2,000	-	-	-	-	-	30	-	20
Middle East	10,455	4,800	-	725	5	180	320	850	300	875
Oceania	1,255	-	360	575	-	10	-	20	-	-
USSR	580	-	140	30	10	120	80	10	-	-
<b>by country</b>	<b>18,975</b>	<b>4,985</b>	<b>5,849</b>	<b>375</b>	<b>375</b>	<b>995</b>	<b>239</b>	<b>405</b>	<b>219</b>	<b>30</b>
Algeria	3,750	-	3,700	-	-	40	-	-	-	-
Congo	990	300	-	20	-	-	210	-	100	-
Cuba	1,900	-	1,900	10	10	-	-	-	-	-
Ghana	3,545	3,500	-	-	-	-	-	-	110	30
<b>by region</b>	<b>10,080</b>	<b>5,730</b>	<b>1,395</b>	<b>895</b>	<b>549</b>	<b>180</b>	<b>429</b>	<b>85</b>	<b>119</b>	<b>189</b>
Africa	1,590	1,500	-	-	-	-	-	-	-	70
Asia	6,070	4,200	60	560	900	120	-	30	110	60
Europe	2,190	-	1,300	340	20	40	350	30	-	20
<b>by country</b>	<b>35,805</b>	<b>8,710</b>	<b>15,749</b>	<b>979</b>	<b>999</b>	<b>1,595</b>	<b>-</b>	<b>395</b>	<b>2,449</b>	<b>1,425</b>
Czechoslovakia	1,800	1,700	-	-	-	-	-	-	20	-
France	1,925	90	825	50	5	250	-	100	-	5
Germany	570	410	-	-	-	-	-	-	50	80
Italy	705	-	700	5	-	-	-	-	-	-
Japan	2,530	2,200	-	-	-	-	-	-	-	200
USSR	290	140	-	20	90	-	-	-	-	40
United Kingdom	4,200	-	-	-	-	-	-	-	2,000	1,100
USSR	1,350	-	750	480	10	80	-	30	-	-
United States	2,120	-	1,100	20	110	900	-	10	-	-
West Germany	2,890	-	2,800	80	-	-	-	-	-	-
USSR	2,745	-	2,400	30	80	-	-	5	-	-
<b>by country</b>	<b>13,530</b>	<b>4,160</b>	<b>1,325</b>	<b>1,345</b>	<b>295</b>	<b>2,465</b>	<b>-</b>	<b>1,989</b>	<b>49</b>	<b>165</b>
Africa	2,400	-	40	230	90	700	-	110	-	-
Asia	4,010	3,500	-	-	-	-	-	-	40	180
Europe	750	-	50	120	80	-	-	280	-	-
Latin America	1,150	390	110	210	-	230	-	100	-	-
Middle East	1,275	-	470	30	-	5	-	500	-	-
<b>by country</b>	<b>78,115</b>	<b>18,375</b>	<b>15,199</b>	<b>12,149</b>	<b>4,966</b>	<b>1,595</b>	<b>4,329</b>	<b>1,579</b>	<b>999</b>	<b>570</b>
Africa	7,120	40	2,900	1,200	480	5	525	350	-	-
Asia	6,435	370	-	-	100	-	575	-	20	30
Europe	23,925	7,400	-	5,100	170	700	3,100	490	995	190
Latin America	4,105	-	4,100	-	-	-	-	-	-	-
Middle East	3,805	525	850	1,100	1,200	-	10	-	-	-
USSR	14,780	-	8,400	4,300	1,400	190	-	170	-	-
USSR	8,950	5,000	-	50	80	20	110	-	10	350
USSR	1,875	850	90	-	-	10	-	-	150	-

resents zero. <sup>1</sup> Includes countries not shown separately.

**NO. 520. ARMS EXPORT MARKET SHARE: 1975 TO 1985**

(In millions of dollars, except as indicated)

EXPORTER	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>of total</b>	<b>13,370</b>	<b>17,310</b>	<b>20,280</b>	<b>24,440</b>	<b>28,280</b>	<b>30,340</b>	<b>37,570</b>	<b>39,910</b>	<b>40,040</b>	<b>41,480</b>	<b>28,980</b>
USSR	7,205	9,580	10,880	11,950	11,280	13,790	19,080	17,950	21,420	20,140	15,190
USSR	4,900	5,900	6,700	6,500	6,100	6,500	8,800	9,300	11,800	10,200	9,400
USSR	2,305	3,680	4,180	5,450	5,180	7,290	10,480	8,650	9,620	9,940	5,790
USSR, total	4,900	6,370	7,975	10,390	14,710	13,900	14,230	15,480	13,410	14,150	11,480
USSR	4,000	5,300	6,800	8,500	12,900	12,200	12,000	12,700	11,000	11,100	8,800
USSR	900	1,070	1,375	1,890	1,810	1,700	2,230	2,780	2,410	3,050	2,580
USSR	1,185	1,380	1,425	2,100	2,230	2,550	4,280	6,470	5,210	7,170	2,230
<b>PERCENT DISTRIBUTION</b>											
USSR	54.3	55.3	53.6	48.9	39.9	45.8	50.7	45.0	53.5	48.6	52.6
USSR	36.9	34.1	33.0	26.6	21.8	21.5	22.9	23.3	29.5	24.6	32.5
USSR	17.4	21.3	20.6	22.3	18.3	24.1	27.8	21.7	24.0	24.0	20.0
USSR, total	36.9	36.8	36.3	42.5	52.2	46.0	37.9	36.8	33.5	34.1	39.7
USSR	30.1	30.8	32.5	34.8	45.7	40.3	31.8	31.8	27.5	26.8	30.8
USSR	6.8	6.2	6.8	7.7	6.4	5.6	5.9	7.0	8.0	7.4	8.9
USSR	8.8	7.9	7.0	8.6	7.9	8.4	11.4	16.2	13.0	17.3	7.7

of tables 519 and 520: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*.

## NO. 521. ARMS DELIVERED BY SELECTED SUPPLIER AND MAJOR WEAPON TYPE: 1961 TO 1965

[The suppliers included are the five largest single exporters of major weapons in terms of magnitude of deliveries as well as other countries of the two major alliances; excluded are Albania, Greece, Malta, Spain, Turkey, and Yugoslavia]

TYPE OF WEAPON	Total <sup>1</sup>	SUPPLIER						
		Soviet Union	Other Warsaw Pact	United States <sup>2</sup>	France	United Kingdom	Other NATO	China: Mainland
Land armaments: Tanks.....	13,774	4,386	1,250	1,824	185	400	220	2,180
Anti-air artillery <sup>3</sup> .....	5,977	1,985	465	122	5	-	35	1,465
Field artillery <sup>4</sup> .....	18,732	3,880	880	2,772	205	110	5,385	788
Armored personnel carriers.....	18,879	6,760	715	4,008	1,510	430	1,280	1,600
Naval craft: Major surface combatants <sup>5</sup> .....	154	33	2	17	19	12	55	2
Other surface combatants <sup>6</sup> .....	482	107	5	26	39	42	115	22
Submarines.....	28	8	-	-	-	-	10	4
Missile attack boats.....	98	28	-	-	13	6	10	22
Aircraft: Combat aircraft (supersonic).....	2,844	1,820	25	384	215	60	-	300
Combat aircraft (subsonic).....	587	100	15	272	70	90	-	-
Other aircraft <sup>7</sup> .....	1,747	395	305	37	95	55	280	105
Helicopters.....	1,856	870	150	181	200	15	175	-
Missiles (surface-to-air).....	24,884	12,285	5,000	3,258	280	1,450	120	100

- Represents zero. <sup>1</sup> Includes other countries not shown separately. <sup>2</sup> United States data are by fiscal years 1961 to 1965, while other suppliers' data are by calendar years 1961 to 1965. <sup>3</sup> Air defense artillery includes weapons over 25 millimeters. <sup>4</sup> Field artillery includes mobile rocket launchers, mortars, and recoilless rifles over 100 millimeters. <sup>5</sup> Major surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates. <sup>6</sup> Minor surface combatants include motor torpedo boats, subchasers, and minesweepers. <sup>7</sup> Other aircraft include reconnaissance aircraft, trainers, transports, and utility aircraft.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers, annual*.

## NO. 522. ESTIMATES OF TOTAL DOLLAR COSTS OF AMERICAN WARS

[in millions of dollars, except percent. Service-connected veterans' benefits estimated at 40 percent of total veterans' benefits except as noted]

ITEM	World War II	Vietnam Conflict	Korean Conflict	World War I	Civil War Union	Civil War Confederacy	Spanish American War	American Revolution	War of 1812	Mexican War
Original incremental, direct costs: <sup>1</sup>										
Current dollars.....	380,000	140,800	50,000	22,700	2,300	1,000	270	100-140	67	92
Constant (1967) dollars.....	818,300	148,800	89,300	100,000	8,500	3,700	1,100	400-880	170	308
Percent 1 year's GNP.....	188	14	15	43	74	123	2	104	14	4
Service-connected veterans' benefits <sup>2</sup> .....	83,158	23,332	15,861	19,091	3,268	-	2,111	25	20	26
Interest, pmts. on war loans <sup>3</sup> .....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	11,000	1,200	( <sup>4</sup> )	60	20	14	10
Current cost to 1965 <sup>5</sup> .....	443,158	183,932	65,861	82,791	6,800	( <sup>4</sup> )	2,441	170	120	128

- Represents zero. <sup>1</sup> Figures are rounded and taken from Claude D. Goldin, *Encyclopedia of American Economic History*, p. 938. <sup>2</sup> Total cost to Oct. 1, 1965. For World War I and later wars, benefits are actual service-connected figures from 1965 Annual Report of Veterans Administration. For earlier wars, service-connected veterans' benefits are estimated at 40 percent of total, the approximate ratio of service-connected to total benefits since World War I. <sup>3</sup> Total cost to 1965. Interest payments are a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, the difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay off the war debts. <sup>4</sup> Unknown. <sup>5</sup> Figures are rounded estimates.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Policies*, Part 1, 91st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayton, University of Utah, Salt Lake City, Utah.

## NO. 523. U.S. MILITARY SALES AND ASSISTANCE TO FOREIGN GOVERNMENTS: 1950 TO 1966

[in millions of dollars, except as indicated. For fiscal year ending in year shown; see text section 9. Department of Defense (DOD) sales deliveries cover deliveries against DOD sales orders authorized under Arms Export Control Act, as well as earlier and applicable legislation. For details regarding individual programs, see source]

ITEM	1950-1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Military sales agreements.....	49,009	5,860	8,725	11,035	12,713	6,502	18,022	15,319	13,882	11,505	7,585
Weapons and ammunition.....	22,173	2,366	2,710	3,811	5,363	2,037	7,450	8,093	6,376	3,881	2,403
Support equipment <sup>1</sup> .....	6,274	438	822	1,945	909	959	3,823	1,181	2,053	1,947	719
Spare parts and modifications.....	11,354	1,039	1,883	2,273	1,606	2,122	3,829	3,336	2,760	2,629	1,759
Support services.....	9,208	1,817	1,530	3,203	3,803	1,384	3,319	2,707	2,702	3,271	2,183
Military construction sales agreements.....	12,252	581	847	1,024	1,581	882	1,920	723	305	754	62
Military sales deliveries <sup>2</sup> .....	26,026	7,032	7,549	7,894	7,214	9,132	10,544	13,028	9,870	8,843	7,738
Military sales financing.....	10,170	1,811	2,101	5,873	1,950	3,048	3,684	5,107	5,716	4,940	4,947
Military assistance programs <sup>3</sup> .....	57,484	227	210	229	268	250	395	413	688	758	782
Military assist. program deliveries <sup>4</sup> .....	52,563	108	219	188	435	309	416	173	129	23	28
IMET program/deliveries <sup>4</sup> .....	1,866	24	28	27	25	28	44	47	52	55	58
Students trained (1,000) <sup>4</sup> .....	484	5	4	4	4	5	6	7	6	7	5

<sup>1</sup> Includes aircraft, ships, support vehicles, communications equipment, and other supplies. <sup>2</sup> Includes military construction sales deliveries. <sup>3</sup> Includes Military Assistance Service Funded (MASF) program data, Section 506(a) drawdown authority, and MAP Merger Funds as follows: FY 1982—\$134 million; FY 1983—\$324 million; FY 1984—\$842 million; FY 1985—\$758 million; FY 1986—\$752 million. <sup>4</sup> Includes Military Assistance Service Funded (MASF) program data and Section 506(a) drawdown authority.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts, annual*, and unpublished data.

534. U.S. MILITARY SALES DELIVERIES AND MILITARY ASSISTANCE DELIVERIES TO FOREIGN GOVERNMENTS, BY COUNTRY: 1950 TO 1966

in millions of dollars. For fiscal year ending in year shown; see text, section 8. Represents Department of Defense military deliveries. Includes deliveries made under Military Assistance Program (MAP), Military Assistance Service Funded Program (MASF) and Section 606(a) drawdown authority; excludes training. For explanation of MAP and MASF programs, see source.

COUNTRY	MILITARY SALES DELIVERIES <sup>1</sup>					MILITARY ASSISTANCE DELIVERIES				
	1950-1952	1953	1954	1955	1956	1950-1952	1953	1954	1955	1956
<b>World</b>	75,361.7	13,038.1	9,576.3	8,843.2	7,736.4	64,218.7	172.8	138.7	23.2	36.6
<b>Albania</b>	185.9	1.8	1.2	.8	1.0	34.0	-	-	-	-
<b>Algeria</b>	2,111.8	326.1	441.1	448.5	350.0	-	-	-	-	-
<b>Argentina</b>	180.8	15.0	7.0	3.8	7.3	66.3	-	-	-	-
<b>Australia</b>	1,169.9	273.0	195.5	119.5	28.1	1,203.6	-	-	-	-
<b>Austria</b>	2.0	-	-	(2)	2.6	31.6	-	-	-	-
<b>Bahamas</b>	271.1	6.9	9.7	10.3	25.5	207.2	-	-	-	-
<b>Bahrain</b>	-	-	-	-	-	1,177.2	-	-	-	-
<b>Bangladesh</b>	1,588.9	110.6	139.4	73.8	116.4	-	-	-	-	-
<b>Barbados</b>	177.6	-	-	-	-	60.5	-	-	-	-
<b>Belize</b>	1,968.3	401.6	275.0	341.7	253.3	2,554.8	-	-	-	-
<b>Bermuda</b>	58.3	7.0	10.6	2.5	3.9	83.2	(2)	-	-	-
<b>Bhutan</b>	794.6	186.6	40.3	48.7	25.9	587.3	-	-	-	-
<b>Bolivia</b>	5.5	.3	3.6	2.1	3.0	21.5	-	(2)	(2)	(2)
<b>Bosnia and Herzegovina</b>	62.4	28.6	5.2	2.9	8.7	32.0	-	-	-	-
<b>Botswana</b>	1,622.5	1,010.4	319.7	581.0	640.3	-	-	-	-	-
<b>Brazil</b>	22.6	26.1	82.6	114.6	108.5	44.7	18.7	9.0	(2)	.2
<b>Bulgaria</b>	88.6	-	-	-	-	182.9	-	-	-	-
<b>Burkina Faso</b>	404.0	14.1	45.3	45.9	145.8	4,045.1	-	-	-	-
<b>Burundi</b>	1,592.4	157.0	106.6	126.0	77.6	1,631.3	34.5	1.0	.5	.4
<b>Cambodia</b>	30.5	7	.5	1.1	.9	16.2	(2)	-	-	-
<b>Cameroon</b>	12.4	12.1	19.5	26.4	56.6	5.6	(2)	(2)	(2)	7.9
<b>Canada</b>	78.9	.9	.5	1	(2)	80.3	(2)	(2)	-	-
<b>Cape Verde</b>	220.2	26.9	15.7	18.0	12.9	1.1	.8	.6	1.5	-
<b>Cayman Islands</b>	10,570.2	-	-	-	-	706.7	-	-	-	-
<b>Czech Republic</b>	8,033.1	260.7	216.1	484.1	222.1	-	-	-	-	-
<b>Dominican Republic</b>	602.0	26.3	54.0	88.1	68.8	2,243.7	-	-	-	-
<b>Dominica</b>	1,175.6	366.6	336.3	424.7	208.7	810.3	-	-	-	-
<b>Dominican Republic</b>	964.6	261.4	77.2	123.1	83.0	462.1	14.0	3.6	7.0	1.2
<b>Dominican Republic</b>	111.7	19.9	6.0	6.3	14.4	-	-	-	-	-
<b>Dominican Republic</b>	669.1	72.4	49.8	43.7	65.2	-	-	-	-	-
<b>Dominican Republic</b>	-	-	-	-	-	1,480.1	-	-	-	-
<b>Dominican Republic</b>	94.4	162.2	209.2	46.6	13.2	13.6	-	-	-	-
<b>Dominican Republic</b>	4.4	9.3	7.3	10.2	9.9	5.9	.4	-	-	(2)
<b>Dominican Republic</b>	28.6	-	-	-	-	12.6	-	-	-	-
<b>Dominican Republic</b>	87.3	25.9	26.5	9.2	3.6	-	-	-	-	-
<b>Dominican Republic</b>	92.8	20.9	4.5	3.6	5.5	(2)	-	-	-	-
<b>Dominican Republic</b>	637.5	60.2	66.6	46.9	39.1	29.6	-	-	-	-
<b>Dominican Republic</b>	1,504.8	516.6	432.4	384.0	380.0	1,178.1	-	-	-	-
<b>Dominican Republic</b>	150.4	12.5	11.1	9.4	9.0	-	-	-	-	-
<b>Dominican Republic</b>	5.2	-	-	-	-	7.7	-	-	-	-
<b>Dominican Republic</b>	46.7	2.5	3.6	1.6	2.3	-	-	-	-	-
<b>Dominican Republic</b>	1,021.9	254.5	191.6	30.0	45.5	662.2	-	-	-	-
<b>Dominican Republic</b>	57.8	22.5	4.6	1.4	1.0	-	-	-	-	-
<b>Dominican Republic</b>	546.0	255.6	459.0	359.3	149.2	650.3	(2)	-	-	-
<b>Dominican Republic</b>	5.6	.5	.5	2.1	12.5	4.4	(2)	(2)	(2)	-
<b>Dominican Republic</b>	1.0	(2)	-	(2)	(2)	9.3	(2)	(2)	(2)	(2)
<b>Dominican Republic</b>	160.0	3.2	2.4	1.6	3.6	75.0	-	-	-	-
<b>Dominican Republic</b>	176.2	10.6	13.8	16.0	39.7	571.5	18.5	7.2	3.5	1.6
<b>Dominican Republic</b>	29.1	12.5	25.5	97.6	29.3	447.8	15.9	42.3	4.2	8.6
<b>Dominican Republic</b>	17,957.6	8,008.9	3,411.2	2,264.5	2,350.4	23.6	-	-	-	-
<b>Dominican Republic</b>	219.1	83.4	32.9	26.1	147.0	-	-	-	-	-
<b>Dominican Republic</b>	2,036.2	297.8	258.4	256.6	397.6	5,469.4	7	1.3	.3	(2)
<b>Dominican Republic</b>	662.3	68.1	66.2	94.0	166.4	662.4	18.6	1.7	3.2	1.6
<b>Dominican Republic</b>	155.1	12.3	24.6	25.3	28.5	1.3	(2)	(2)	-	-
<b>Dominican Republic</b>	97.8	1.7	20.5	6.4	13.5	-	-	-	-	-
<b>Dominican Republic</b>	678.9	213.2	161.8	53.7	6.1	-	-	-	-	-
<b>Dominican Republic</b>	861.6	161.6	166.4	123.3	125.1	1,165.3	2.3	.9	2	.2
<b>Dominican Republic</b>	98.2	24.7	85.6	158.3	28.6	40.3	(2)	(2)	(2)	-
<b>Dominican Republic</b>	978.5	150.4	306.0	362.0	295.6	3,129.6	4.3	3.1	5	.2
<b>Dominican Republic</b>	3,119.9	478.3	481.1	377.1	381.5	1,012.9	-	-	-	-
<b>Dominican Republic</b>	18.4	7	.3	7	.8	40.6	(2)	(2)	-	-
<b>Dominican Republic</b>	265.4	32.8	136.5	243.6	80.9	-	-	-	-	-
<b>Dominican Republic</b>	1.2	-	-	-	-	14,773.9	-	-	-	-
<b>Dominican Republic</b>	7,145.0	322.6	339.1	224.8	218.2	664.6	-	-	-	-
<b>Dominican Republic</b>	256.1	15.2	9.6	6.6	2.6	-	-	-	-	-
<b>Dominican Republic</b>	15.2	20.4	2.1	21.4	22.0	688.6	-	-	-	-
<b>Dominican Republic</b>	72.0	6.7	4.8	11.4	8.4	23.3	(2)	-	-	-
<b>Dominican Republic</b>	60.0	26.1	56.6	64.2	108.7	657.0	7.3	10.8	2.3	4.6
<b>Dominican Republic</b>	815.2	111.5	208.9	124.6	78.9	1,601.4	-	-	-	-
<b>Dominican Republic</b>	-	-	-	-	-	1,845.7	37.6	46.4	-	(2)

represents zero. <sup>2</sup> Less than \$50,000. <sup>1</sup> Includes military construction sales deliveries. <sup>2</sup> Includes Section 606(a) in authority for military assistance deliveries. <sup>3</sup> Includes MAP and MASF programs for military assistance deliveries. U.S. Defense Security Assistance Agency, Foreign Military Sales, Foreign Military Construction Sales, and Military Factbook, annual.



## NO. 525. SUMMARY OF MAJOR MILITARY FORCES: 1980 TO 1985

(As of Sept. 30)

DESCRIPTION	1980	1984	1985	DESCRIPTION	1980	1984	1985
Army: Divisions	18	18	17	Navy—Con.			
Maneuver battalions	168	155	159	Marine aircraft combat squadrons:			
Air defense battalions/batteries	154	135	127	Fixed-wing squadrons	30	31	35
Special forces groups	3	4	4	Rotary-wing squadrons	24	25	33
Aircraft, number	8,731	8,826	9,025	Aircraft, number	4,861	5,002	5,039
Navy: Ship operating force	538	639	669	Air Force: ICBM launchers	1,054	1,031	1,023
Tactical air squadrons	61	63	63	Selected aircraft squadrons	125	124	124
Antisubmarine air squadrons <sup>1</sup>	22	24	24	Strategic	26	21	21
Marine divisions	3	3	3	Air defense	8	5	5
				Tactical (excluding air-9th)	93	98	98
				Aircraft, number <sup>2</sup>	10,118	10,297	10,427

<sup>1</sup> Does not include patrol squadrons. <sup>2</sup> Excludes foreign government-owned aircraft.

Source: U.S. Dept. of Defense, releases and unpublished data.

## NO. 526. ESTIMATED U.S. STRATEGIC NUCLEAR FORCES: 1987

[As of September 30. Represents weapons with intercontinental range. U.S. strategic nuclear forces consist of three parts: Land-based intercontinental ballistic missiles (ICBMs), long-range bombers, and submarine-launched ballistic missiles (SLBMs). Together these three parts are known as the TRIAD]

LAUNCHER	Number	Warheads per launcher	Total warheads	Yield in megatons <sup>1</sup>	Total megatons	Equivalent megatons <sup>2</sup>	Availability <sup>3</sup>	Circular error probable <sup>4</sup> (feet)
Total	2,023	(x)	11,881	(x)	3,114	3,447	(x)	(x)
ICBMs, total	1,000	(x)	2,288	(x)	1,048	1,277	(x)	(x)
Minuteman II	450	1	450	1.2	540	508	.95	2,100
Minuteman III	523	3	1,569	17/ 335	415	639	.95	800
Peacekeeper	27	10	270	335	91	130	.95	300
SLBMs, total	840	(x)	5,532	(x)	410	861	(x)	(x)
Trident (C-4)	192	8	1,536	1	154	331	.7	800
Poseidon (C-3)	256	10	2,560	.04	102	209	.82	1,500
Poseidon (C-4)	192	8	1,536	1	154	331	.82	900
Bombers, total	383	(x)	3,940	(x)	1,886	1,208	(x)	(x)
B-52 G/H	116	4B/4S <sup>5</sup>	928	(NA)	557	259	.3	(NA)
B-52 G/H (cruise missile)	147	12	1,764	.2	353	603	.3	300
FB-111 <sup>6</sup>	56	2B/2S <sup>5</sup>	224	(NA)	134	82	.3	(NA)
B-1B	64	6B/6S <sup>5</sup>	1,024	(NA)	614	285	.3	(NA)

X Not applicable. <sup>1</sup> A megaton is the yield of a nuclear weapon equivalent to 1 million tons of TNT. <sup>2</sup> A commonly used measure of the urban area destructive power of a nuclear weapon. <sup>3</sup> Estimated for on-line weapons in peacetime alert. <sup>4</sup> A measure of the delivery accuracy of a weapon system. It is the radius of a circle around the target at which a missile is aimed within which the warhead has a 5 probability of falling. <sup>5</sup> B=Bomb; S=Short-Range Attack Missile. <sup>6</sup> Medium bombers.

## NO. 527. ESTIMATED SOVIET UNION STRATEGIC NUCLEAR FORCES: 1987

(As of March. Represents weapons with intercontinental range)

LAUNCHER	Number	Warheads per launcher	Total warheads	Yield in megatons <sup>1</sup>	Total megatons	Equivalent megatons <sup>2</sup>	Availability <sup>3</sup>	Circular error probable <sup>4</sup> (feet)
Total	2,571	(x)	10,386	(x)	5,844	5,920	(x)	(x)
ICBM total	1,418	(x)	8,448	(x)	3,687	4,420	(x)	(x)
SS-11	440	1	440	.95	418	425	.85	3,000
SS-13	60	1	60	.60	36	43	.85	6,100
SS-17	150	4	600	.75	450	486	.95	1,200
SS-18	308	10	3,080	.50	1,540	1,940	.95	700
SS-19	300	8	2,400	.55	1,188	1,450	.95	1,300
SS-25	100	1	100	.55	55	67	.85	800
SLBMs, total	828	(x)	2,448	(x)	957	1,242	(x)	(x)
SS-N-6	272	1	272	.75	204	225	.4	4,200
SS-N-8	292	1	292	.75	219	241	.4	4,800
SS-N-17	12	1	12	.5	6	8	.4	4,800
SS-N-18	224	3	672	.5	336	423	( <sup>5</sup> )	3,000
SS-N-20	80	8	720	.1	72	155	( <sup>5</sup> )	1,800
SS-N-23	46	10	460	.25	120	190	( <sup>5</sup> )	2,000
Bombers, total	325	(x)	1,800	(x)	1,200	1,258	(x)	(x)
Bear	100	4	400	1.0	400	400	(NA)	(NA)
Bear-H (cruise missile)	50	8	400	.25	100	159	(NA)	(NA)
Bison	15	4	60	1.0	60	60	(NA)	(NA)
Backfire	160	4	640	1.0	640	640	(NA)	(NA)

NA Not available. X Not applicable. <sup>1</sup> See footnote 1, table 526. <sup>2</sup> See footnote 2, table 526. <sup>3</sup> Estimated for on-line weapons in peacetime alert. <sup>4</sup> See footnote 4, table 526. <sup>5</sup> These longer-range SLBMs can reach the U.S. from Soviet ports, and would likely have a higher rate of availability.

Source of tables 526 and 527: The Congress of the United States, Congressional Budget Office, Modernizing U.S. Strategic Capabilities: The Administration's Program and Alternatives, May 1983; Trident II Missiles: Capability, Costs, and Alternatives, July 1983; and unpublished data.

## NO. 528. DEPARTMENT OF DEFENSE—ACTIVE DUTY MILITARY PERSONNEL: 1940 TO 1986

(As of end of fiscal year; see text, section 9)

YEAR	Total service (1,000)	Rate per 1,000 population <sup>1</sup>	YEAR	Total service (1,000)	Rate per 1,000 population <sup>1</sup>	YEAR	Total service (1,000)	Rate per 1,000 population <sup>1</sup>
1940	458	3.5	1956	2,806	16.6	1972	2,323	11.1
1941	1,801	13.5	1957	2,798	16.5	1973	2,253	10.8
1942	3,859	28.5	1958	2,601	14.8	1974	2,182	10.1
1943	9,045	65.9	1959	2,504	14.1	1975	2,126	9.9
1944	11,452	82.4	1960	2,478	13.7	1976	2,082	9.6
1945	12,123	86.3	1961	2,484	13.5	1977	2,075	9.4
1946	3,030	21.4	1962	2,806	15.0	1978	2,082	9.3
1947	1,583	10.9	1963	2,700	14.3	1979	2,027	9.0
1948	1,448	9.8	1964	2,687	14.0	1980	2,021	9.0
1949	1,815	10.8	1965	2,655	13.7	1981	2,083	9.1
1950	1,480	9.6	1966	3,094	15.7	1982	2,109	9.1
1951	3,249	21.0	1967	3,377	17.0	1983	2,123	9.0
1952	3,636	23.1	1968	3,548	17.7	1984	2,138	9.0
1953	3,636	22.2	1969	3,480	17.1	1985	2,151	9.0
1954	3,302	20.3	1970	3,086	14.9	1986	2,168	9.0
1955	2,835	17.7	1971	2,715	13.1			

<sup>1</sup> Based on Bureau of the Census estimated total population (including Armed Forces abroad) as of July 1<sup>2</sup> U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

## NO. 529. DEPARTMENT OF DEFENSE PERSONNEL, PAYROLL, AND MILITARY RETIREES: 1950 TO 1986

As of end of fiscal year. Payroll: For fiscal year ending in year shown; see text, section 9. Excludes "indirect hire" is, i.e., foreign nationals under special agreement by Defense Department with foreign country. See *Historical Statistics of Times to 1970*, series Y 904-916, for similar but not comparable personnel data]

YEAR	PERSONNEL (1,000)				PAYROLL <sup>1</sup> (bil. dol.)				MILITARY RETIREES	
	Total	Active duty, military		Direct hire civilian	Total	Active duty, military <sup>2</sup>		Direct hire civilian <sup>3</sup>	Number (1,000)	Pension payments (bil. dol.)
		Total	Percent			Total	Percent			
1950	2,213	1,460	66.0	753	8.2	5.3	64.6	2.9	132	(NA)
1951	4,122	2,935	71.2	1,187	13.8	8.1	65.9	4.7	180	(NA)
1952	3,524	2,476	70.3	1,047	15.1	9.3	61.6	5.8	256	(NA)
1953	3,688	2,655	72.0	1,034	16.5	11.4	61.6	7.1	481	(NA)
1954	4,260	3,066	72.0	1,194	30.7	19.4	63.2	11.3	773	2.5
1955	3,233	2,162	66.9	1,071	32.7	19.9	60.9	12.8	1,012	4.8
1956	3,170	2,128	67.1	1,042	34.0	20.2	59.4	13.8	1,073	6.1
1957	3,092	2,082	67.3	1,010	35.0	20.4	58.3	14.8	1,132	7.3
1958	3,057	2,075	67.9	982	36.8	21.0	57.1	15.8	1,200	8.2
1959	3,043	2,062	67.8	980	36.6	21.0	54.4	17.6	1,260	9.0
1960	2,988	2,027	67.8	960	40.9	22.7	55.5	18.2	1,286	10.3
1961	3,011	2,051	68.1	960	42.8	24.2	56.5	18.6	1,330	11.9
1962	3,067	2,063	67.3	984	48.1	28.1	56.4	20.0	1,383	13.7
1963	3,088	2,109	68.3	979	54.7	32.9	60.1	21.8	1,391	14.9
1964	3,150	2,123	67.4	1,026	50.4	27.7	55.0	22.7	1,419	15.9
1965	3,182	2,139	66.6	1,043	53.3	28.9	54.2	24.4	1,449	16.4
1966	3,236	2,151	66.5	1,085	54.6	29.8	54.6	24.8	1,478	17.0
1967	3,237	2,168	67.0	1,068	59.5	31.3	52.6	28.2	1,506	17.8

Not available. <sup>1</sup> Source: Beginning 1963, U.S. Dept. of Defense, *Atlas*; data not strictly comparable with earlier years. <sup>2</sup> Excludes troop subsistence, transportation, movement of personnel, etc. <sup>3</sup> Excludes benefits, etc.

c: Except as noted, U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and *Military Manpower Statistics*.

## NO. 530. MILITARY PERSONNEL ON ACTIVE DUTY, BY SERVICE: 1970 TO 1986

As of end of fiscal year; see text, section 9. Includes National Guard, Reserve, and retired regular personnel on full or continuous active duty. Excludes Coast Guard, Military cadets, Naval Academy midshipmen, Air Force Academy cadets, and other officer candidates are included under enlisted personnel. See also *Historical Statistics of Times to 1970*, Y 904-916]

RANK OR SERVICE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	3,086	2,127	2,091	2,074	2,081	2,024	2,060	2,062	2,109	2,123	2,138	2,181	2,168				
Officers	13.1	13.7	13.5	13.3	13.2	13.5	13.5	13.7	13.8	14.1	14.2	14.4	14.3				
Enlisted	1,322	784	779	782	771	758	777	781	780	780	780	781	781				
Non-commissioned	168	103	98	97	97	97	98	101	103	106	108	110	110				
Specialists	1,156	681	681	685	674	661	679	680	677	674	672	671	671				
Warrant officers	692	535	524	530	530	522	527	540	553	558	568	572	581				
First sergeants	81	65	64	63	62	62	63	65	67	68	68	71	72				
Second sergeants	612	470	461	467	466	460	464	475	486	490	498	501	508				
Corpses	260	196	192	182	191	185	188	191	193	194	198	198	198				
Private first class	25	19	19	19	18	18	18	18	19	20	20	20	20				
Private second class	235	177	174	173	173	167	170	172	174	174	176	176	176				
Private third class	791	612	585	570	569	559	558	570	583	582	587	592	598				
Private fourth class	130	105	100	98	95	96	98	99	102	105	106	108	108				
Private fifth class	662	507	498	474	474	463	460	471	481	487	491	493	498				

U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

## NO. 531. MILITARY PERSONNEL ON ACTIVE DUTY, BY LOCATION: 1970 TO 1986

(In thousands. 1970-1976 as of Dec. 31; thereafter, as of end of fiscal year; see text, section 9)

YEAR	TOTAL		United States <sup>1</sup>	Foreign countries	YEAR	TOTAL		United States <sup>1</sup>	Foreign countries
	Shore-based <sup>2</sup>	Naval afloat <sup>3</sup>				Shore-based <sup>2</sup>	Naval afloat <sup>3</sup>		
1970	2,827	247	1,957	867	1979	1,824	204	1,589	469
1971	2,290	229	1,846	873	1980	1,840	211	1,582	468
1972	2,109	239	1,752	598	1981	1,899	214	1,591	602
1973	1,962	220	1,709	493	1982	1,880	229	1,580	598
1974	1,929	211	1,600	480	1983	1,899	234	1,604	519
1975	1,884	200	1,630	455	1984	1,908	230	1,628	510
1976	1,867	217	1,626	458	1985	1,920	231	1,638	519
1977	1,854	221	1,615	460	1986	1,929	240	1,644	529
1978	1,834	228	1,591	472					

<sup>1</sup> Includes Navy personnel temporarily on shore. <sup>2</sup> Includes Marine Corps. <sup>3</sup> Includes outlying areas.Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

## NO. 532. COAST GUARD PERSONNEL ON ACTIVE DUTY: 1970 TO 1986

(As of end of fiscal year; see text, section 9)

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enlisted
1970	37,899	5,512	653	31,524	1982	39,246	6,431	802	30,915
1975	38,798	5,830	1,177	29,981	1983	39,709	6,595	811	32,302
1979	38,559	6,340	806	31,413	1984	39,705	6,790	799	31,196
1980	39,361	6,483	877	32,041	1985	39,585	6,775	733	31,987
1981	39,760	6,519	961	32,280	1986	37,294	6,577	754	29,963

Source: U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation*.

## NO. 533. VIETNAM CONFLICT—U.S. MILITARY FORCES IN VIETNAM, AND CASUALTIES: 1957 TO 1986

(Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973)

ITEM	Unit	1957-1966, total	1967-1968, total	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307	3308	3309	3310	3311	3312	3313	3314	3315	3316	3317	3318	3319	3320	3321	3322	3323	3324	3325	3326	3327	3328	3329	3330	3331	3332	3333	3334	3335	3336	3337	3338	3339
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- Represents zero. X Not applicable. <sup>1</sup> For 1964 only. <sup>2</sup> Casualties from enemy action. Deaths exclude 10,798 servicemen who died in accidents or from disease. <sup>3</sup> Includes servicemen who died while captured.

Source: National Archives and Records Administration, "Combat Area Casualty File," (3-330-80-3).

## NO. 534. ARMED FORCES PERSONNEL—SUMMARY OF MAJOR CONFLICTS

(For Revolutionary War, number of personnel serving not known, but estimates range from 164,000 to 280,000; for War of 1812, 286,730 served; for Mexican War, 78,719 served. Dates of the major conflicts may differ from those specified in various laws providing benefits for veterans. See table 533 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1976*, series Y 656-903)

ITEM	Unit	Civil War <sup>1</sup>	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving	1,000	2,213	307	4,744	<sup>2</sup> 16,354	<sup>3</sup> 5,764	<sup>4</sup> 8,911
Average duration of service	Months	20	8	12	33	19	28
Service abroad: Personnel serving	Percent	(NA)	<sup>5</sup> 29	53	79	<sup>6</sup> 59	(NA)
Average duration <sup>7</sup>	Months	(NA)	1.5	5.5	16.2	13.4	(NA)
Casualties: <sup>8</sup> Battle deaths	1,000	140	(X)	53	282	34	<sup>9</sup> 47
Wounds not mortal	1,000	282	2	204	671	103	<sup>9</sup> 304
Draftees: Classified	1,000	777	(X)	24,234	38,677	9,123	<sup>9</sup> 78,717
Examined	1,000	522	(X)	3,784	17,955	3,985	<sup>9</sup> 8,911
Rejected	1,000	180	(X)	803	6,420	1,189	<sup>9</sup> 3,989
Inducted	1,000	48	(X)	2,820	10,022	1,600	<sup>9</sup> 1,789

NA Not available. X Not applicable. Z Fewer than 500. <sup>1</sup> Union forces only. Estimates of the number serving in Confederate forces range from 800,000 to 1.5 million. <sup>2</sup> Covers Dec. 1, 1941, to Dec. 31, 1945. <sup>3</sup> Covers June 25, 1950, to July 27, 1953. <sup>4</sup> Covers Aug. 4, 1964, to Jan. 27, 1973. <sup>5</sup> Army and Marines only. <sup>6</sup> Excludes Navy. Covers July 1950 through Jan. 1955. Far East area only. <sup>7</sup> During hostilities only. <sup>8</sup> For periods covered, see footnotes 2, 3, and 4. <sup>9</sup> Covers Jan. 1, 1961, to Jan. 27, 1972.Source: The President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. 1, 1955; and U.S. Dept. of Defense, unpublished data.

**No. 535. ENLISTED MILITARY PERSONNEL ACCESSIONS: 1980 TO 1986**

[In thousands. For years ending Sept. 30]

BRANCH OF SERVICE	1980	1984	1985	1986	BRANCH OF SERVICE	1980	1984	1985	1986
<b>Total</b>	<b>582</b>	<b>540</b>	<b>529</b>	<b>551</b>	<b>Navy</b>	<b>127</b>	<b>122</b>	<b>117</b>	<b>123</b>
First enlistments	355	305	287	299	First enlistments	75	69	67	70
Reenlistments	204	224	216	226	Reenlistments	36	53	50	53
Reserves to active duty	22	20	25	25	<b>Marine Corps</b>	<b>86</b>	<b>82</b>	<b>84</b>	<b>85</b>
<b>Army</b>	<b>285</b>	<b>320</b>	<b>300</b>	<b>316</b>	First enlistments	42	41	36	35
First enlistments	163	134	117	127	Reenlistments	15	21	19	20
Reenlistments	97	86	84	89	<b>Air Force</b>	<b>122</b>	<b>126</b>	<b>132</b>	<b>131</b>
					First enlistments	76	82	86	87
					Reenlistments	56	64	64	64

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and *Military Manpower Statistics*, monthly.

**No. 536. RESERVE OFFICERS TRAINING CORPS (ROTC)—ENROLLMENT: 1970 TO 1986**

[In thousands. For May, or end of school year. Jr. ROTC refers to enrollment in high schools, academies, junior colleges, and National Defense Cadet Corps schools; includes Jr. ROTC in all service branches]

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Senior ROTC	123	80	56	61	65	75	80	84	91	100	103	99	111	99	97
Junior ROTC	126	140	155	164	168	152	156	144	165	156	161	176	212	216	218

Source: U.S. Dept. of Defense, unpublished data.

**No. 537. MILITARY PERSONNEL ON ACTIVE DUTY BY GRADE IN WHICH SERVING: 1983 TO 1986**

[In thousands. As of Sept. 30]

RANK/GRADE	1983	1984	1985	1986	RANK/GRADE	1983	1984	1985	1986
<b>Total</b>	<b>2,123.3</b>	<b>2,136.2</b>	<b>2,151.0</b>	<b>2,166.1</b>	Chief Warrant—W-3	5.6	5.5	5.2	4.9
Recruit—E-1	136.7	129.8	127.6	132.6	Chief Warrant—W-4	2.3	2.6	3.2	3.3
Private—E-2	143.5	137.2	140.6	148.7	2nd Lt.—O-1	38.5	39.5	39.7	39.2
Pvt. 1st class—E-3	371.4	368.1	336.3	329.8	1st Lt.—O-2	43.1	41.6	42.7	44.4
Corporal—E-4	413.2	424.0	444.4	451.3	Captain—O-3	98.3	101.7	104.4	104.7
Sergeant—E-5	347.2	351.2	356.2	361.1	Major—O-4	51.5	52.3	53.3	54.4
Staff Sgt.—E-6	222.1	231.7	237.6	241.6	Lt. Colonel—O-5	32.5	32.6	32.8	32.7
Sgt. 1st class—E-7	124.8	126.9	131.9	133.4	Colonel—O-6	14.5	14.8	14.7	14.6
Master Sgt.—E-8	38.2	37.9	36.5	36.0	Brig. General—O-7	.5	.5	.5	.5
Sgt. Major—E-9	14.0	14.3	15.1	15.5	Major General—O-8	.4	.4	.4	.4
Warrant Officer—W-1	3.7	2.7	2.4	2.2	Lt. General—O-9	1	1	1	1
Chief Warrant—W-2	7.5	8.9	9.4	9.5	General—O-10	(2)	(2)	(2)	(2)

2 Less than 50. 1 Includes cadets and midshipmen.

Source: U.S. Dept. of Defense, Office of the Comptroller, *Selected Manpower Statistics*, annual.

**No. 538. MONTHLY (JANUARY) RATES OF MILITARY BASIC PAY: 1984 TO 1987**

PAY GRADE AND YEARS OF SERVICE <sup>1</sup>	1984	1985	1986 <sup>2</sup>	1987	PAY GRADE AND YEARS OF SERVICE <sup>1</sup>	1984	1985	1986 <sup>2</sup>	1987
Recruit—E-1 (0-2)	\$569	\$620	\$639	\$658	2d Lt.—O-1 (0-2)	\$1,143	\$1,169	\$1,224	\$1,261
Private—E-2 (0-2)	609	665	716	736	1st Lt.—O-2 (2-3)	1,438	1,495	1,540	1,568
Pvt. 1st class—E-3 (0-2)	695	723	745	767	Captain—O-3 (6-8)	2,092	2,176	2,241	2,306
Corporal—E-4 (2-3)	779	810	835	860	Major—O-4 (14-16)	2,648	2,754	2,836	2,921
Sergeant—E-5 (4-6)	842	880	1,009	1,040	Lt. Colonel—O-5 (20-22)	3,282	3,413	3,518	3,621
Staff Sgt.—E-6 (12-14)	1,250	1,300	1,339	1,379	Colonel—O-6 (26-30)	4,163	4,330	4,460	4,593
Sgt. 1st Class—E-7 (16-20)	1,523	1,584	1,631	1,680	Brig. General—O-7 (26-30)	4,736	4,926	5,075	5,226
Master Sgt.—E-8 (20-22)	1,748	1,818	1,873	1,929	Major General—O-8 (26-30)	5,450	5,667	* 5,725	* 5,800
Sgt. Major—E-9 (22-26)	2,100	2,184	2,249	2,317	Lt. General—O-9 (26-30)	* 5,500	* 5,725	* 5,725	* 5,800
Warrant Officer—W-1 (10-12)	1,438	1,495	1,540	1,566	General—O-10 (26-30)	* 5,500	* 5,725	* 5,725	* 5,800
Chief Warrant—W-4 (26-30)	2,627	2,732	2,814	2,898					

<sup>1</sup> Longevity pay step of typical military member    <sup>2</sup> As of October 1985.    \* Statutory limitation.

Source: U.S. Dept. of Defense, Office of the Comptroller, unpublished data.

### NO. 539. DISCHARGES, DESSERTION AND ABSENT-WITHOUT-AUTHORITY RATES FOR MILITARY PERSONNEL: 1970 TO 1986

[For fiscal year ending in year shown; see text, section 9. Rate per 1,000 average end-of-month strength]

YEAR	Total discharges	Honorable <sup>1</sup>	General <sup>2</sup>	Other than honorable <sup>3</sup>	Bad conduct <sup>4</sup>	Dis-honorable <sup>5</sup>	De- sertion rate <sup>6</sup>	Absent- without- authority rate <sup>7</sup>
1970	1,136,140	1,081,556	29,334	20,911	3,984	375	33.6	88.3
1975	682,952	603,058	48,899	27,016	3,587	293	25.3	88.6
1980	541,556	499,960	23,541	15,553	2,242	272	17.9	46.8
1981	530,718	481,684	27,399	17,815	3,833	387	14.7	42.3
1982	523,014	486,686	33,294	18,071	4,653	330	10.9	34.3
1983	<sup>10</sup> 531,398	447,511	35,582	23,178	5,757	138	6.7	22.4
1984	<sup>10</sup> 517,897	423,680	32,194	24,883	5,617	268	6.5	20.8
1985	<sup>10</sup> 505,640	428,244	27,639	20,827	4,939	287	6.3	17.1
1986	<sup>11</sup> 512,482	<sup>11</sup> 426,931	<sup>11</sup> 28,581	<sup>11</sup> 21,790	<sup>11</sup> 3,196	<sup>11</sup> 646	6.2	16.8

<sup>1</sup> Administrative discharge. <sup>2</sup> Based on proper military behavior and proficient performance of duty; honest and faithful service. <sup>3</sup> Discharge under honorable conditions; satisfactory service; military record not sufficiently meritorious for honorable discharge. <sup>4</sup> Unsatisfactory service (misconduct, security or resignation/request for discharge). <sup>5</sup> Punitive, resulting from trial by court-martial. <sup>6</sup> Usually punishment for repeated convictions of minor offenses or less serious felony type offenses. <sup>7</sup> Awarded after conviction of serious offenses usually recognized by civil law as felonies, or of military offenses requiring severe punishment. <sup>8</sup> Absent without authority more than 30 days. <sup>9</sup> For 30 days or less. <sup>10</sup> Includes uncharacterized discharges, not shown separately. <sup>11</sup> Preliminary.

Source: U.S. Dept. of Defense, unpublished data.

### NO. 540. MILITARY RESERVE PERSONNEL: 1970 TO 1986

[In thousands. As of end of fiscal year; see text, section 9. Excludes U.S. Coast Guard Reserve. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization]

RESERVE STATUS AND BRANCH OF SERVICE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total reserves	3,639	2,866	2,249	2,118	2,108	2,188	2,257	2,260	2,295	2,310	2,370	2,434					
Ready reserve	2,574	1,529	1,183	1,144	1,203	1,283	1,317	1,359	1,419	1,491	1,505	1,513					
Standby reserve	492	412	274	183	103	86	86	52	44	44	44	41					
Retired reserve	573	715	792	791	803	821	866	839	832	776	760	760					
Army	2,221	1,831	1,243	1,178	1,173	1,218	1,337	1,380	1,408	1,428	1,481	1,508					
Navy	806	521	476	436	427	438	438	415	423	425	431	464					
Air Force	610	504	530	505	509	514	511	476	489	457	459	462					

Source: U.S. Dept. of Defense, *Official Guard and Reserve manpower strengths and statistics*, quarterly.

### NO. 541. MILITARY RESERVE COSTS: 1970 TO 1986

[In millions of dollars. As of end of fiscal year; see text, section 9. Army and Air Force data include National Guard]

TYPE OF COST	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	2,647	4,786	6,881	7,046	7,877	8,870	10,370	12,073	18,544	19,438	19,881		
Operations and maintenance	994	2,092	2,718	2,851	3,526	4,184	4,716	5,137	6,128	5,734	5,770		
Personnel	1,083	1,679	1,932	2,031	2,359	3,012	3,778	4,833	3,757	7,704	8,500		
Procurement	187	518	1,889	1,508	1,463	1,955	1,008	1,827	5,923	5,003	4,383		
Active-duty support	234	324	365	389	406	506	558	388	433	591	807		
Construction	49	178	178	172	122	233	314	291	303	408	371		

Source: U.S. Dept. of Defense, unpublished data.

### NO. 542. NATIONAL GUARD—SUMMARY: 1970 TO 1986

[As of end of fiscal year; see text, section 9. Includes Puerto Rico]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Army National Guard: Units	Number	3,062	3,245	3,368	3,379	3,389	3,482	3,428	4,351	4,383	4,484
Personnel <sup>1</sup>	1,000	410	403	347	388	391	409	418	434	438	480
Funds obligated <sup>2</sup>	mil. dol	752	1,322	1,654	1,802	2,189	2,708	2,980	3,093	4,387	4,880
Value of equipment	mil. dol	1,800	4,100	7,600	7,600	8,100	8,900	13,100	14,300	18,800	18,700
Air National Guard: Units	Number	868	1,108	1,888	1,854	1,854	1,888	1,188	1,802	1,184	1,888
Personnel <sup>1</sup>	1,000	90	98	93	97	98	101	102	106	108	113
Funds obligated <sup>1</sup>	mil. dol	487	890	1,250	1,678	1,957	2,286	2,478	2,488	2,813	2,807
Value of equipment (est.)	mil. dol	(NA)	3,100	4,800	5,200	6,000	5,900	8,300	<sup>2</sup> 17,500	<sup>2</sup> 21,400	<sup>2</sup> 28,100

NA Not available. <sup>1</sup> Officers and enlisted men. <sup>2</sup> Federal funds; includes personnel, operations, maintenance, and military construction. <sup>3</sup> Increases due to repricing of aircraft to current year dollars to reflect true replacement value.

Source: National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*, and unpublished data.

No. 543. LIVING VETERANS—STATES AND OTHER AREAS: 1970 TO 1986

in thousands. As of end of fiscal year; see text, section 9. Data were developed from benchmark veteran population as of April 1, 1980, based on 1980 Census of Population data on veteran's place of residence, extended to later years on basis of 1975-1980 veteran interstate migration statistics from the 1980 census; not directly comparable with earlier data previously published by the VA. Excludes a small indeterminate number of National Guard personnel or reservists who had service-connected disabilities while on an initial tour of active duty for training only. Detail may not add to total shown [rounding]

STATE OR OTHER AREA	Total veterans <sup>1</sup>	WAR VETERANS							Service between Korea and Vietnam only	Post-Vietnam era <sup>2</sup>
		Total <sup>3</sup>	World War I	World War II <sup>4</sup>	Korean conflict		Vietnam era			
					Total <sup>5</sup>	No service in World War II	Total <sup>6</sup>	No service in Korean conflict		
Alabama	26,976	23,160	1,425	13,887	5,440	4,167	4,100	3,618	3,173	(b)
Alaska	28,640	23,985	461	11,720	5,434	4,331	6,118	7,453	3,066	1,120
Arizona	28,563	23,716	404	11,491	5,393	4,306	8,175	7,513	3,076	1,320
Arkansas	28,399	23,421	348	11,241	5,346	4,280	8,210	7,551	3,064	1,479
California	28,202	23,109	297	10,978	5,294	4,249	8,238	7,584	3,051	1,623
Colorado	26,027	22,782	260	10,700	5,237	4,215	8,263	7,616	3,037	1,803
Connecticut	27,732	22,274	208	10,346	5,135	4,143	8,215	7,578	3,008	2,058
D.C., total	27,882	22,017	171	10,076	5,105	4,134	8,264	7,882	3,004	2,283
Delaware	27,557	21,939	170	10,046	5,070	4,102	8,229	7,882	2,283	2,267
District of Columbia	409	325	2	147	65	66	122	106	44	34
Florida	89	54	(Z)	14	11	9	33	31	9	6
Georgia	402	323	2	155	75	54	127	112	36	36
Hawaii	287	210	2	101	46	37	79	71	28	25
Idaho	2,879	2,323	18	1,051	584	434	907	821	311	200
Illinois	400	317	2	119	76	59	154	136	44	34
Indiana	398	321	2	156	75	63	103	89	47	26
Iowa	78	62	(Z)	26	14	11	23	21	6	7
Kansas	60	49	(Z)	24	12	9	16	14	6	6
Kentucky	1,461	1,186	13	655	260	192	398	335	124	113
Louisiana	649	504	2	203	123	95	226	293	89	86
Maine	102	81	(Z)	33	21	16	37	32	11	9
Maryland	117	93	1	36	20	17	36	36	13	10
Massachusetts	1,276	1,014	8	471	223	197	346	336	146	97
Michigan	654	503	4	215	114	100	190	164	76	67
Minnesota	340	272	3	115	59	53	103	100	36	29
Mississippi	268	234	3	106	52	43	89	82	31	21
Missouri	374	288	3	134	66	58	110	103	41	29
Montana	438	343	2	153	77	61	137	126	46	40
Nebraska	154	123	1	55	29	23	47	43	16	14
Nevada	535	423	2	189	107	82	165	149	60	45
New Hampshire	695	560	5	265	127	105	173	164	76	51
New Jersey	1,040	807	6	344	173	156	310	302	119	102
New Mexico	501	395	4	161	89	77	156	152	61	41
New York	236	185	1	91	47	37	65	57	24	21
North Carolina	637	506	4	229	119	89	185	174	66	55
North Dakota	107	85	1	35	18	15	36	34	12	9
Ohio	189	150	2	64	36	31	57	53	21	15
Oklahoma	136	109	-	46	29	21	47	41	17	10
Oregon	140	111	1	47	26	21	46	42	18	13
Pennsylvania	898	721	5	369	186	143	214	204	105	59
Rhode Island	170	135	1	58	32	24	59	59	16	17
South Carolina	1,889	1,501	13	761	326	282	447	435	206	150
South Dakota	660	541	3	246	127	104	207	186	89	60
Tennessee	73	57	(Z)	22	12	11	24	23	9	7
Texas	1,320	1,034	7	478	221	194	366	355	146	123
Utah	402	325	3	140	75	58	136	124	41	30
Vermont	355	265	3	122	59	47	119	113	39	27
Virginia	1,541	1,236	9	623	266	226	390	375	173	114
Washington	121	96	1	51	23	16	32	30	12	9
West Carolina	351	277	1	122	69	52	117	101	36	32
West Dakota	79	63	1	26	16	14	22	21	9	7
Wisconsin	527	416	3	182	94	78	166	153	56	47
Wyoming	1,781	1,409	8	589	325	250	623	562	190	157
Alaska	154	125	1	52	26	23	52	49	17	11
Arizona	84	49	(Z)	21	11	9	20	19	7	7
California	671	530	3	235	146	104	226	189	71	61
Colorado	595	476	4	194	114	84	217	194	86	46
Connecticut	227	182	2	85	39	33	67	62	23	16
Delaware	589	440	4	167	95	64	189	165	72	51
District of Columbia	60	48	(Z)	17	10	9	23	22	7	4
Florida	125	96	1	30	35	32	35	34	12	16

presents zero. X Not applicable. Z Fewer than 500. <sup>1</sup> Beginning 1980, includes peacetime veterans not separately, who served only between World War I and World War II, and those who served only between World War II and an conflict. <sup>2</sup> Veterans who served in both World War II and the Korean conflict, or in both the Korean conflict and the era, are counted only once. <sup>3</sup> Includes 971,000 who served in both World War II and the Korean conflict. <sup>4</sup> Includes 629,000 who served in both the Korean conflict and the Vietnam era. <sup>5</sup> Service only after May 7, 1975. <sup>6</sup> There 5 living Spanish-American War veterans whose median age is 103 years, and 63 living Mexican Border conflict veterans.



No. 544. LIVING VETERANS, BY AGE AND PERIOD OF SERVICE: 1986

[In thousands, except as indicated. As of Sept. 30. Estimated. Includes Puerto Rico. See headnote, table 543. See *Historical Statistics, Colonial Times to 1970*, series Y 943-958, for all veterans]

AGE IN 1980	Total veter-ans	World War I	World War II <sup>1</sup>	KOREA			Peace-time service be-tween Korea and Viet-nam only	VIETNAM			Post-Viet-nam era peace-time <sup>3</sup>	Other peace-time <sup>4</sup>
				Total <sup>2</sup>	Only in Korea	Also in WW II		Total <sup>2</sup>	Only in Viet-nam	Also in Korea		
All ages .....	<sup>a</sup> 27,636	171	10,076	5,105	4,134	971	3,004	8,264	7,636	629	2,263	376
Under 24 years .....	361	-	-	-	-	-	-	-	-	-	361	-
25-29 years .....	1,268	-	-	-	-	-	-	130	130	-	1,156	-
30-34 years .....	1,731	-	-	-	-	-	-	1,160	1,160	-	551	-
35-39 years .....	3,201	-	-	-	-	-	18	3,059	3,059	-	123	-
40-44 years .....	2,937	-	-	-	-	-	491	2,411	2,411	-	34	-
45-49 years .....	2,420	-	-	165	165	-	1,555	702	679	23	21	-
50-59 years .....	6,367	-	1,319	4,075	3,823	252	922	557	164	393	14	146
60 years and over ..	9,337	171	8,757	654	148	716	19	226	11	215	-	234
Median age (yr.) <sup>a</sup> ...	53.4	89.8	65.1	55.8	55.0	63.2	46.3	39.7	39.3	54.2	28.4	65.8

- Represents zero. <sup>1</sup> Includes 971,000 who served in both WW II and Korean Conflict. <sup>2</sup> Includes 629,000 who served in both the Korean Conflict and the Vietnam Era. <sup>3</sup> Service only after May 7, 1975. <sup>4</sup> Includes those who served only between World War I and World War II, and those who served only between World War II and the Korean Conflict. <sup>5</sup> There are also 5 living Spanish-American War veterans whose median age is 103 years, and 63 living Mexican Border Conflict veterans. <sup>a</sup> Computed from data by single year of age.

No. 545. DISABLED VETERANS RECEIVING COMPENSATION: 1970 TO 1986

[In thousands, except as indicated. As of end of fiscal year; see text, section 9. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans with any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood and are rated for disability at 100 percent]

MILITARY SERVICE	1970	1975	1975	1980	1981	1980	1980	1984	1985	1986
Disabled, all periods <sup>1</sup> .....	2,082	2,263	2,263	2,274	2,275	2,275	2,263	2,251	2,263	2,226
Peace-time .....	185	194	240	262	284	302	319	335	352	367
World War I <sup>1</sup> .....	65	55	34	30	25	22	16	15	12	10
World War II .....	1,416	1,308	1,216	1,193	1,165	1,140	1,111	1,000	1,049	1,015
Korea .....	239	240	237	236	234	231	229	226	223	220
Vietnam .....	167	423	537	553	588	579	567	595	604	613
Totally disabled, all periods <sup>1</sup> .....	134	123	121	121	135	198	139	137	136	138
Peace-time .....	16	16	19	20	23	24	25	25	26	26
World War I <sup>1</sup> .....	11	6	3	3	2	2	2	1	1	1
World War II .....	63	58	53	51	58	57	56	56	54	51
Korea .....	16	16	16	16	18	16	17	17	17	16
Vietnam .....	18	26	30	31	35	37	37	36	36	39
Compensation (mil. dol.) .....	2,263	3,797	8,264	6,104	6,939	7,894	8,067	8,641	8,279	8,379

<sup>1</sup> Includes Spanish-American War and Mexican Border service; not shown separately. Source of tables 544 and 545: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 545. VETERANS BENEFITS—EXPENDITURES, BY PROGRAM: 1970 TO 1986

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. All data are on an accrued expenditure basis]

PROGRAM	1970	1979	1979	1980	1981	1982	1983	1984	1985	1986
Total <sup>1</sup> .....	10,201	18,003	22,178	23,167	25,203	26,937	30,196	28,494	30,119	31,399
Compensation and pensions <sup>2</sup> .....	5,330	7,551	10,540	11,257	12,492	13,348	13,861	13,942	14,234	14,363
Educational assistance and readjustment benefits .....	1,047	4,529	2,800	2,363	2,333	2,001	1,678	1,043	1,189	907
Post-Korean veterans education <sup>3</sup> .....	939	4,185	2,450	2,068	1,968	1,474	1,394	1,146	912	849
Dependents' educational assistance .....	52	183	204	194	205	197	172	154	145	123
Vocational rehabilitation .....	42	73	96	66	114	117	118	110	107	100
Automobiles, etc., for disabled veterans .....	6	17	12	12	12	12	13	13	15	16
Grants for special adaptive housing .....	8	14	23	19	16	17	14	13	16	14
Changes in receivables .....	1	97	15	2	14	180	-32	-35	-26	-188
Medical services and administ. expenses .....	<sup>a</sup> 2,009	3,919	6,206	6,647	7,199	8,009	8,722	9,123	9,982	10,389
Hospital and domiciliary construction <sup>4</sup> .....	75	136	293	342	458	481	458	486	557	567
Insurance and indemnities .....	1,161	1,348	1,433	1,837	1,693	1,701	1,694	1,750	1,803	2,008
Loan guaranty revolving fund .....	249	423	453	445	553	625	1,167	1,511	1,628	2,067
Direct loans .....	180	84	57	49	19	10	8	8	8	8
Miscellaneous expenditures .....	131	17	306	427	459	562	567	631	679	726

<sup>1</sup> Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds. <sup>2</sup> Includes expenditures for statutory burial awards, special clothing allowance, mortgage life insurance, invalid life, headstones and markers, and other expenses. <sup>3</sup> Includes post-Vietnam veterans. <sup>4</sup> Includes National Cancer Institute expenditures (transfer to Veterans Administration). <sup>5</sup> Includes construction grants for State extended care facilities. 1976 and later years include expenditures for health manpower training facilities.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.



**NO. 547. VETERANS BENEFITS—EXPENDITURES FROM APPROPRIATED FUNDS, BY WAR:  
TOTAL AND 1940 TO 1966**

*in millions of dollars. For fiscal year ending in year shown; see text, section 9. Refers to expenditures of Veterans Administration and predecessor agencies. See also Historical Statistics, Colonial Times to 1970, series Y 971-983]*

DD EAR	Total, all wars	Mex- ican War and Indian Wars	Civil War	Span- ish- Amer- ican War	World War I	World War II	Korean Conflict <sup>1</sup>	Service be- tween Korea and Vietnam only	Viet- nam <sup>2</sup>	Peace- time
	<sup>3</sup> 441,817	192	8,574	5,997	72,337	206,514	38,880	10,236	78,270	23,861
1840-1849	<sup>4</sup> 18,914	147	8,356	1,537	8,557	(x)	(x)	(x)	(x)	198
1850-1859	3,016	14	102	883	1,840	281	(x)	(x)	(x)	116
1860-1869	27,139	11	49	798	2,783	23,317	(x)	(x)	(x)	181
1870-1879	25,584	7	28	821	4,836	18,578	823	(x)	(x)	389
1880-1889	24,723	5	15	898	8,835	10,866	5,874	(x)	(x)	542
1890-1899	28,466	2	19	528	9,385	13,421	4,142	(x)	(x)	995
1900-1909	34,673	(z)	6	334	9,846	18,732	3,856	1,589	1,331	1,399
1910-1919	57,154	3	5	229	9,584	23,474	4,707	3,496	13,676	1,980
1920-1929	88,085	2	(z)	192	10,256	40,397	8,013	4,029	30,805	4,391
1930-1939	122,712	(z)	(z)	102	9,198	58,068	12,387	1,710	30,097	11,129
1940-1949	8,905	(z)	1	54	1,944	3,681	898	481	1,328	318
1950-1959	10,240	(z)	1	51	1,917	4,317	885	648	2,083	358
1960-1969	11,314	1	1	45	1,980	4,099	905	729	2,571	384
1970-1979	12,817	1	1	40	1,908	5,138	988	791	3,535	415
1980-1989	13,878	1	1	39	1,835	5,439	1,051	848	4,159	505
1990-1999	16,419	1	(z)	38	1,897	6,198	1,219	1,089	5,392	567
2000-2009	18,798	1	(z)	39	1,861	7,024	1,378	1,246	6,509	740
2010-2019	23,063	(z)	(z)	45	2,401	9,818	1,900	817	7,447	1,037
2020-2029	19,529	(z)	(z)	35	2,001	8,421	1,686	532	5,902	952
2030-2039	20,276	(z)	(z)	35	2,086	9,140	1,830	545	5,555	1,075
2040-2049	21,299	(z)	(z)	38	2,083	9,841	2,044	614	5,483	1,238
2050-2059	22,863	(z)	(z)	18	1,727	10,658	2,309	829	5,889	1,736
2060-2069	24,356	(z)	(z)	18	1,853	11,469	2,586	568	6,085	1,966
2070-2079	25,914	(z)	(z)	16	1,543	12,024	2,753	( <sup>5</sup> )	6,291	<sup>6</sup> 3,287
2080-2089	26,220	(z)	(z)	14	2,212	14,098	2,885	( <sup>5</sup> )	6,389	<sup>6</sup> 2,902
2090-2099	27,540	1	(z)	15	1,286	12,539	3,084	( <sup>5</sup> )	6,446	<sup>6</sup> 4,167
2100-2109	28,900	2	(z)	13	1,245	12,652	3,191	( <sup>5</sup> )	7,222	<sup>6</sup> 4,575

of applicable. Z Less than \$500,000. <sup>1</sup> June 27, 1950 to Jan. 31, 1955. <sup>2</sup> Service from Aug. 5, 1964, to May 7, 1975. <sup>3</sup> Includes \$70 million for the Revolutionary War and \$49 million for the War of 1812. <sup>4</sup> 15 months ending Sept 30, 1999 combined with service between Korea and Vietnam only.

xx: U.S. Veterans Administration, unpublished data.

**. 548. VETERANS COMPENSATION AND PENSION BENEFITS—NUMBER ON ROLLS AND AVERAGE  
PAYMENT, BY PERIOD OF SERVICE AND STATUS: 1960 TO 1986**

*Sept. 30. Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war era receiving pension and benefits for nonservice connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also Historical Statistics, Colonial Times to 1970, series Y 989]*

TYPE OF SERVICE AND VETERAN STATUS	VETERANS ON ROLLS (1,000)						AVERAGE PAYMENT (annual basis) <sup>1</sup>					
	1960	1962	1963	1964	1965	1966	1960	1962	1963	1964	1965	1966
<b>total</b>	4,546	4,407	4,286	4,123	4,008	3,889	\$2,370	\$2,861	\$3,197	\$3,335	\$3,505	\$3,847
living	3,185	3,099	3,044	2,960	2,931	2,883	2,600	3,244	3,450	3,534	3,686	3,720
deceased	2,273	2,275	2,263	2,251	2,240	2,225	2,689	3,339	3,538	3,573	3,692	3,756
service connected	922	824	781	730	690	658	2,428	2,982	3,193	3,416	3,581	3,800
non-service connected	1,451	1,366	1,242	1,143	1,075	1,046	1,863	2,356	2,576	2,813	3,066	3,288
living	368	350	346	342	336	331	3,801	4,859	5,278	5,471	5,836	6,144
deceased	1,093	957	896	801	739	685	1,228	1,440	1,533	1,660	1,809	1,908
World War I	14	11	9	8	7	6	1,432	1,624	1,885	1,777	1,855	1,908
living	(z)	(z)	(z)	(z)	(z)	(z)	2,634	3,183	3,440	4,031	4,436	5,388
deceased	14	11	9	8	7	6	1,403	1,596	1,858	1,749	1,822	1,872
War II	892	571	515	435	381	334	1,883	1,981	2,077	2,276	2,481	2,532
living	196	139	114	87	68	53	2,689	3,336	3,568	4,009	4,439	4,476
deceased	494	432	401	348	313	281	1,288	1,547	1,653	1,841	2,029	2,160
War II	2,520	2,353	2,273	2,180	2,097	2,020	2,307	2,866	3,061	3,172	3,317	3,406
living	1,849	1,745	1,691	1,631	1,575	1,518	2,462	3,057	3,246	3,331	3,480	3,504
deceased	671	608	582	549	522	502	1,880	2,321	2,523	2,697	2,888	3,096
Korean conflict <sup>2</sup>	446	426	419	407	399	395	2,691	3,466	3,742	3,918	4,114	4,248
living	317	315	313	311	306	306	2,977	3,784	4,013	4,119	4,280	4,344
deceased	129	113	105	96	90	87	1,990	2,630	2,933	3,265	3,615	3,912
Peace-time	312	353	370	387	404	419	3,080	3,729	3,901	3,895	3,973	3,986
living	262	302	319	336	352	367	2,828	3,398	3,545	3,528	3,589	3,686
deceased	50	51	51	52	52	52	4,389	5,897	6,118	6,265	6,577	6,468
War era <sup>3</sup>	682	691	700	707	716	726	2,795	3,532	3,783	3,884	4,021	4,128
living	589	598	607	616	626	637	2,709	3,417	3,654	3,714	3,846	3,936
deceased	93	93	93	91	90	89	3,324	4,273	4,821	4,880	5,220	5,480

over than 500. <sup>1</sup> Averages calculated by multiplying average monthly payment by 12. <sup>2</sup> Service during period June 18, to Jan. 31, 1955. <sup>3</sup> Service from Aug. 5, 1964, to May 7, 1975.

xx: U.S. Veterans Administration, Annual Report of Administrator of Veterans Affairs, and unpublished data.

## NO. 549. VETERANS ADMINISTRATION HEALTH CARE SUMMARY: 1960 TO 1966

(For years ending Sept. 30)

ITEM	Unit	1960	1965	1966	ITEM	Unit	1960	1965	1966
Facilities operating:					Radiology examinations	Million	5.7	5.4	5.5
Hospitals	Number	172	172	172	Inpatients treated <sup>2</sup>	1,000	1,350	1,435	1,462
Dormitories	Number	16	16	16	VA facilities	1,000	1,275	1,339	1,365
Outpatient clinics	Number	226	226	226	Other facilities	1,000	84	96	97
Nursing home units	Number	92	115	117	Average daily inpatients <sup>3</sup>	1,000	105	100	99
Employment <sup>1</sup>	1,000	194	203	200	VA facilities	1,000	84	75	73
Obligations <sup>3</sup>	Mill. dol.	6,215	9,256	9,544	Other facilities	1,000	21	25	26
Medical care	Mill. dol.	5,972	8,936	9,275	Outpatient medical visits	Million	16.0	19.6	20.2
Research in health care	Mill. dol.	138	227	166	VA staff	Million	15.6	17.6	18.5
Prescriptions dispensed	Million	36.7	48.1	52.1	Fee-basis	Million	2.2	1.8	1.7
Laboratory procedures	Million	215	173	163					

<sup>1</sup> Not full-time equivalent. <sup>2</sup> 1960, cost-basis; thereafter, obligation-basis. Includes other obligations not shown separately.<sup>3</sup> Based on the number of discharges and deaths during the fiscal year, plus the number on the rolls (bed occupants and patients on authorized leave of absence) at the end of the fiscal year. Excludes interhospital transfers. <sup>4</sup> Patients receiving hospital care, or nursing bed care.Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs, Directory of VA Facilities*, and unpublished data.

## NO. 550. VETERANS ASSISTANCE TO PERSONS IN EDUCATION AND TRAINING PROGRAMS: 1975 TO 1966

(In thousands. For fiscal years ending in year shown; see text, section 9. Represents persons in training during year)

PROGRAM	1975	1976	1960	1961	1962	1963	1964	1965	1966
Post-Korean Education Assistance <sup>1</sup>	2,692	1,279	1,107	949	776	644	528	402	306
Institutions of higher education	1,693	866	842	736	620	517	421	366	267
Resident schools other than college	420	175	149	122	96	86	76	54	36
Correspondence schools	367	81	42	35	21	19	10	7	6
On-the-job training	192	84	74	66	39	25	19	16	9
Children's Educational Assistance	71.4	65.7	62.6	62.6	60.3	70.9	63.6	55.3	46.4
Institutions of higher education	64.7	77.9	75.5	74.6	72.1	63.7	57.1	50.0	43.9
Schools other than college	6.3	7.2	6.5	7.5	7.8	7.0	6.2	5.2	4.3
Special restorative training	1	.1	1	.1	(2)	(2)	1	(2)	(2)
On-the-job training	.4	.5	.5	.4	.3	.2	.2	.2	.1
Spouses, Widows/Widowers Educational Assistance Program	16.5	17.3	13.0	11.9	10.6	9.6	7.8	6.6	5.9
Institutions of higher education	12.2	14.0	10.8	10.1	9.0	7.5	6.5	5.7	5.0
Schools other than college	4.3	3.2	2.2	1.8	1.6	1.9	1.1	1.0	.9
On-the-job training <sup>2</sup>	.1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Vocational Rehabilitation Program for Disabled Veterans	<sup>3</sup> 24.6	29.5	25.5	29.6	30.9	30.6	29.0	26.9	25.6
Institutions of higher education	16.5	21.7	18.9	21.7	22.1	21.9	(NA)	(NA)	(NA)
Schools other than college	4.9	6.5	5.6	7.0	7.5	7.5	(NA)	(NA)	(NA)
On-the-job training	1.3	1.1	1.0	1.0	1	.6	(NA)	(NA)	(NA)
Institutional on-term	.2	.1	1	.1	.1	.1	(NA)	(NA)	(NA)

NA Not available. Z Fewer than 50. <sup>1</sup> Includes some Post-Vietnam veterans. <sup>2</sup> Includes special restorative training. <sup>3</sup> Estimated.Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

## NO. 551. VETERANS GUARANTEED AND INSURED LOANS: 1970 TO 1966

(For fiscal years ending in year shown, see text, section 9. Includes mobile home loans. See section 26 for VA loan characteristics)

ITEM	Unit	1970	1975	1976	1960	1961	1962	1963	1964	1965	1966
Number of loans	1,000	166.2	290.2	364.6	297.4	167.6	103.4	245.1	251.6	178.9	313.6
Home	1,000	166.2	286.2	357.6	289.2	176.2	92.9	231.6	236.5	170.0	307.4
Amount of loans	Mill. dol.	3,663	8,091	16,043	14,615	10,008	5,542	14,670	15,612	11,452	21,966
Home	Mill. dol.	3,662	8,072	16,026	14,653	9,622	5,332	14,369	15,333	11,263	21,633
Guaranty and insurance	Mill. dol.	1,971	3,702	7,342	6,370	4,246	2,292	5,736	6,034	4,363	7,666
Home	Mill. dol.	1,971	3,696	7,264	6,269	4,155	2,167	5,596	5,896	4,269	7,530

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.



## Section 12

# Social Insurance and Human Services

This section presents data related to governmental expenditures for social welfare; governmental programs for old-age, survivors, disability, and health insurance (OASDHI); governmental and railroad employee retirement; Individual Retirement Account, Keogh account and private pension plans; government unemployment and temporary disability insurance; Federal supplemental security income payments and aid to the needy, child and other welfare services; and Federal food programs. Also included here are selected data on workers' compensation, including black lung benefits; vocational rehabilitation; child support; child care; and philanthropic trusts and foundations.

The principal source for these data is the Department of Health and Human Services' (HHS) monthly *Social Security Bulletin* which presents current data on many of the programs and summary data in annual statistical supplements. Current data on employment security are published monthly in the Department of Labor's *Unemployment Insurance Statistics*. Data on the Medicare and Medicaid programs appear periodically in the Health Care Financing Administration's *Health Care Financing Review* (quarterly), *Health Care Financing Notes*, and *Health Care Financing Program Statistics*. Statistics on aid to families with dependent children (AFDC) are presented in the U.S. Social Security Administration's monthly publication, *Public Assistance Statistics*.

**Social Insurance under the Social Security Act.**—Programs established by the Social Security Act provide protection against wage loss resulting from retirement, prolonged disability, death, or unemployment, and protection against the cost of medical care during old age and disability. The Federal OASDHI program provides monthly cash benefits to retired or disabled insured workers and their dependents and to survivors of insured workers. To be eligible, a worker must have had a specified period of employment in which OASDHI taxes were paid. A worker becomes eligible for full benefits at age 65, although reduced benefits may be obtained up to 3 years earlier; the worker's spouse is under the same limitations. Survivor benefits are payable to dependents of deceased insured workers. Disability benefits are payable to an insured worker under age 65 with a prolonged disability and to the disabled worker's dependents on the same basis as dependents of retired workers. Also, disability benefits are provided at age 50 to the disabled widow or widower of a deceased worker who was fully insured at the time of death. A lump sum benefit is generally payable on the death of an insured worker to a spouse or minor children.

Since July 1966, the Federal "Medicare" program has provided two coordinated plans for nearly all people age 65 and over: (1) A hospital insurance plan which covers hospital and related services and (2) a voluntary supplementary medical insurance plan, financed partially by monthly premiums paid by participants, which partly covers physicians' and related medical services. Since July 1973, such insurance also applies to disabled beneficiaries of any age after 24 months of eligibility and to persons with chronic kidney disease.

Retirement, survivors, disability, and hospital insurance benefits are funded by a payroll tax on annual earnings (up to a maximum of earnings set by law) of workers, employers, and the self-employed. The maximum taxable earnings are adjusted periodically through Federal legislation to reflect increasing income levels (see table 563). Tax receipts and benefit payments are administered through Federal trust funds. Special benefits for uninsured persons; hospital benefits for persons 65 and over with specified amounts of Social Security coverage less than that required for cash benefit eligibility; and that part of the cost of supplementary medical insurance not financed by contributions from participants are financed from Federal general revenues.

Unemployment insurance is presently administered by the U.S. Employment and Training Administration and each State's employment security agency. By agreement with the U.S. Secretary of Labor, State agencies also administer unemployment compensation for eligible ex-service members and Federal employees, unemployment assistance under the Disaster Relief Act of 1970, workers assistance and relocation allowances under the Trade Act, and, until 1975, direct aid (training and related cash allowances) under Federal manpower acts.

Under State unemployment insurance laws, benefits related to the individual's past earnings are paid to unemployed eligible workers. State laws vary concerning the length of time benefits are paid and their amount. In most States, benefits are payable for 26 weeks and, during periods of high unemployment, extended benefits are payable under a Federal-State program to those who

have exhausted their regular State benefits. The basic benefit can vary among States by over 100 percent. Some States also supplement the basic benefit with allowances for dependents.

Unemployment insurance is funded by a Federal unemployment tax levied on the taxable payrolls of most employers. Taxable payroll under the Federal Act and most State laws is the first \$7,000 in wages paid each worker during a year. Employers are allowed a percentage credit of taxable payroll for contributions paid to States under State unemployment insurance laws. The remaining percent of the Federal tax finances administrative costs, the Federal share of extended benefits, and advances to States. About 97 percent of wage and salary workers are covered by unemployment insurance.

**Retirement Programs for Government Employees.**—The Civil Service Retirement System (CSRS) and the Federal Employees' Retirement System (FERS) are the two major programs providing age and service, disability and survivor annuities for Federal civilian employees. In general, employees hired after December 31, 1983 are covered under FERS and the social security program (OASDHI) and employees on staff prior to that date are members of CSRS and are covered under Medicare. CSRS employees were offered the option of transferring to FERS during 1987. There are separate retirement systems for the uniformed services (supplementing OASDHI) and for certain special groups of Federal employees.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions these benefits supplement OASDHI coverage.

**Workers' compensation.**—All States provide protection against work-connected injuries and deaths, although some States exclude certain workers (e.g., domestic help). Federal laws cover Federal employees, private employees in the District of Columbia, and longshoremen and harbor workers. In addition, the Social Security Administration and the Department of Labor administer a "black lung" benefits program for coal miners disabled by pneumoconiosis and for specified dependents and survivors. Specified occupational diseases are compensable to some extent. In most States, benefits are related to the worker's salary. The benefits may or may not be augmented by dependents' allowances or automatically adjusted to prevailing wage levels.

**Public aid.**—State-administered public assistance programs (Aid to Families with Dependent Children (AFDC), emergency assistance and general assistance) and the Federal Supplemental Security Income (SSI) program administered by the Social Security Administration provide benefits to persons who qualify. AFDC and emergency assistance are in part federally funded while the costs of general assistance are met entirely with State and local funds.

The SSI program replaced Federal grants for aid to the aged, blind and disabled in the 50 States and the District of Columbia in 1974. Residents of the Northern Mariana Islands became eligible in 1978. Federal grants continue for aid to the aged, blind and disabled in Guam, Puerto Rico and the Virgin Islands. The SSI program provides a minimum income for the aged, blind and disabled and establishes uniform national basic eligibility requirements and payment standards. Most States supplement the basic SSI payment.

**Health and welfare services.**—Programs providing health and welfare services are aided through Federal grants to States for child welfare services, vocational rehabilitation, activities for the aged, maternal and child health services, maternity and infant care projects, comprehensive health services, and a variety of public health activities.

Under Medicaid, all States (except Arizona) offer basic health services to eligible low-income persons. The cost of providing these services is shared by the Federal Government, but each State determines its own eligibility criteria and may set benefits above the minimum established by Federal law. Almost all recipients of cash welfare programs are automatically eligible. In addition, 31 States extend Medicaid to families that satisfy all but the income requirements for welfare and that either have incomes which meet State definitions of "medically needy" or incur medical expenses which lower their incomes to medically needy levels.

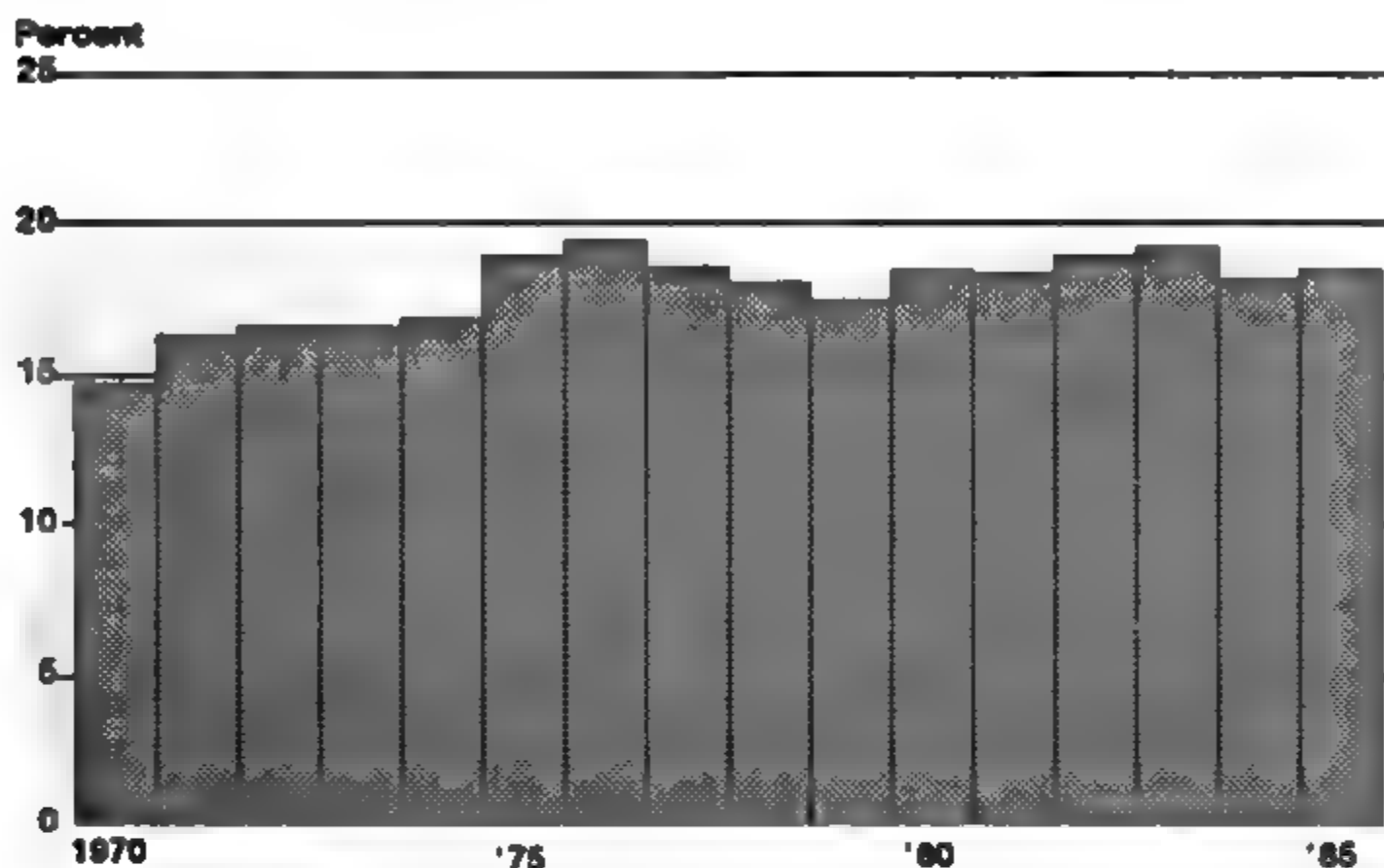
**Noncash benefits.**—The Bureau of the Census annually collects data on the characteristics of recipients of noncash (in-kind) benefits to supplement the collection of annual money income data in the Current Population Survey (see text, section 1 and section 15). Noncash benefits are those benefits received in a form other than money which serve to enhance or improve the economic well-being of the recipient. As for money income, the data for noncash benefits are for the calendar year prior to the date of the interview and are reported in the *Current Population Reports*, series P-60. The two major categories of noncash benefits covered are public transfers and employer or union-provided benefits to employees.

**Statistical reliability.**—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to HHS and Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

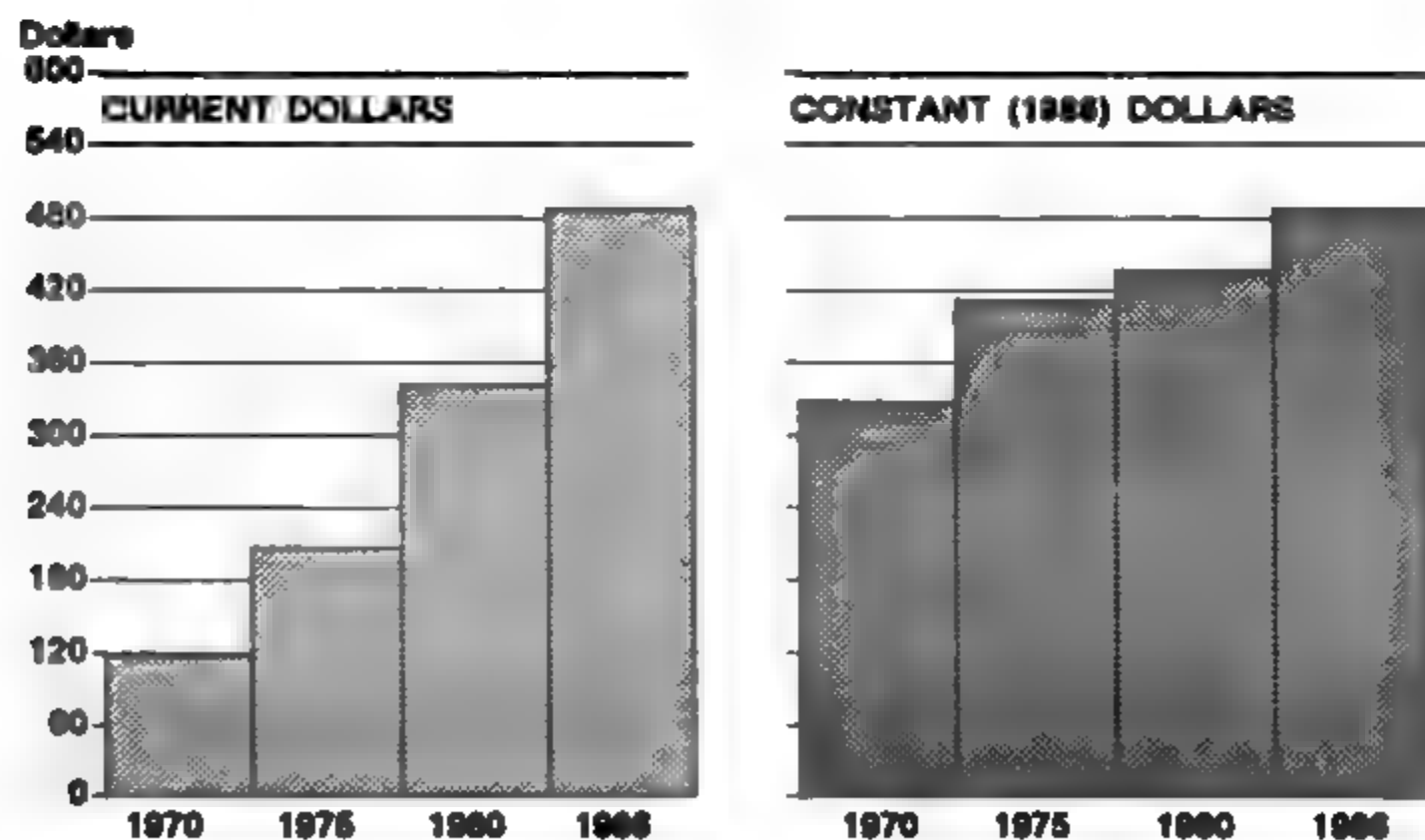
**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

**Figure 12.1**  
**Social Welfare Expenditures Under Public Programs as Percent of Gross National Product: 1970 to 1985**



Source: Chart prepared by U.S. Bureau of the Census. For data see table B54.

**Figure 12.2**  
**Social Security-Average Monthly Benefit Payments to Retired Workers: 1970 to 1985**



Source: Chart prepared by U.S. Bureau of the Census. For data see table B55.

## NO. 552. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS: 1960 TO 1985

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Represents outlays from trust funds (mostly social insurance funds built up by earmarked contributions from insured persons, their employers, or both) and budgetary outlays from general revenues. Includes administrative expenditures, capital outlay, and some expenditures and payments outside U.S. See table 553 for program detail. For explanation of annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1870*, series H 1-47, for related but not comparable data.]

YEAR	SOCIAL WELFARE OUTLAYS			Social insurance	Public aid	Health and medical programs <sup>1</sup>	Veterans programs	Education	Housing	Other social welfare	All health and medical care <sup>2</sup>
	Total	Annual percent change	Percent from non-trust funds								
TOTAL											
1960	52,293	<sup>a</sup> 9.9	85.5	19,307	4,101	4,484	5,479	17,626	177	1,139	5,385
1970	145,858	10.6	84.6	54,991	10,488	9,907	9,078	50,845	701	4,145	25,391
1975	290,084	14.7	80.9	123,012	41,308	17,788	17,019	80,834	3,172	6,947	52,348
1979	430,280	10.4	58.0	184,288	64,882	24,899	20,802	109,262	5,493	11,076	66,757
1980	482,797	14.5	56.6	229,754	71,799	27,919	21,486	121,050	7,210	13,599	100,563
1981	550,324	11.7	54.9	267,395	82,424	30,203	23,441	128,145	8,734	11,983	116,317
1982	594,786	8.1	48.8	302,815	80,852	33,127	24,708	133,874	7,954	11,854	130,779
1983	642,077	8.0	49.1	331,058	85,830	35,976	25,826	141,813	9,090	12,484	143,126
1984, prel.	671,872	4.7	49.5	342,264	89,871	37,884	26,127	152,025	10,374	13,445	155,092
1985, prel.	729,117	8.5	(NA)	372,583	95,985	41,680	27,171	165,693	11,878	13,948	174,969
FEDERAL											
1960	24,957	<sup>a</sup> 11.3	45.9	14,307	2,117	1,737	5,367	868	144	417	2,918
1970	77,337	12.0	45.1	45,246	9,949	4,775	8,952	5,876	562	2,259	16,800
1975	167,426	18.7	45.9	99,715	27,186	8,521	16,570	8,629	2,541	4,264	34,100
1979	263,037	12.0	42.7	163,679	43,722	11,399	20,412	12,108	5,089	6,449	58,896
1980	302,816	15.0	42.4	191,162	48,668	12,688	21,254	13,452	6,808	8,786	68,786
1981	344,108	13.7	40.3	224,574	55,946	13,638	23,229	13,372	8,045	7,304	80,547
1982	367,699	6.7	36.8	250,551	52,485	14,807	24,483	11,917	7,178	6,500	90,786
1983	398,782	8.6	36.0	274,212	55,895	15,594	25,561	12,397	8,087	7,046	100,274
1984, prel.	419,284	5.1	35.4	289,684	57,686	16,496	25,822	12,979	9,068	7,349	108,803
1985, prel.	451,241	7.6	(NA)	313,107	61,173	18,500	26,833	13,740	10,339	7,549	123,634
STATE AND LOCAL											
1960	27,337	<sup>a</sup> 8.7	84.9	4,999	1,984	2,727	112	16,758	33	723	3,476
1970	68,519	9.6	88.9	9,446	6,939	5,132	127	44,970	120	1,866	8,791
1975	122,654	12.4	83.0	23,296	14,122	9,267	449	72,205	631	2,683	18,246
1979	187,243	8.1	84.8	30,408	20,840	13,500	190	97,154	424	4,826	26,081
1980	190,180	13.7	82.6	38,592	23,133	15,231	212	107,597	601	4,813	31,777
1981	206,216	8.4	82.2	42,821	26,477	16,565	212	114,773	688	4,679	35,789
1982	227,065	10.1	70.9	52,063	26,367	16,520	245	121,957	776	5,154	38,993
1983	243,285	7.1	70.6	56,846	29,836	20,382	265	129,418	1,003	5,436	42,854
1984, prel.	252,707	3.4	72.9	52,381	32,206	21,368	305	139,046	1,306	5,096	46,460
1985, prel.	277,878	10.0	(NA)	59,477	34,792	23,180	338	152,153	1,540	6,398	51,229
PERCENT OF TOTAL EXPENDITURES, BY TYPE											
1960	100.0	(X)	(X)	36.9	7.8	8.5	10.5	33.7	.3	2.2	12.2
1970	100.0	(X)	(X)	37.5	11.3	6.8	6.2	34.9	.5	2.8	17.4
1975	100.0	(X)	(X)	42.4	14.2	6.1	5.9	27.9	1.1	2.4	18.0
1980	100.0	(X)	(X)	48.6	14.6	5.7	4.4	24.5	1.5	2.8	20.5
1985, prel.	100.0	(X)	(X)	51.1	13.2	5.7	3.7	22.8	1.6	1.9	24.0
PERCENT FEDERAL OF TOTAL											
1960	47.7	(X)	(X)	74.1	51.8	38.9	98.0	4.9	61.4	36.6	45.6
1970	53.0	(X)	(X)	82.7	58.5	48.2	98.6	11.6	63.0	54.5	65.4
1975	57.7	(X)	(X)	81.1	65.6	47.9	97.4	10.7	60.1	61.4	65.1
1980	61.4	(X)	(X)	83.2	67.8	44.9	99.0	11.1	61.7	64.8	68.1
1985, prel.	61.9	(X)	(X)	84.0	63.7	44.4	98.8	8.3	67.0	54.1	70.7
PER CAPITA (Current dollars) <sup>a</sup>											
1960	285	<sup>a</sup> 7.9	(X)	105	22	24	30	96	2	8	35
1970	701	9.4	(X)	262	79	48	43	245	4	20	122
1975	1,326	13.6	(X)	561	189	82	77	370	15	32	240
1980	2,138	10.0	(X)	995	312	121	92	526	33	59	437
1985, prel.	2,996	7.0	(X)	1,526	395	172	111	683	49	57	720
PER CAPITA (Constant (1985) dollars) <sup>a, b</sup>											
1960	999	<sup>a</sup> 5.8	(X)	357	75	82	102	326	7	20	119
1970	1,828	8.6	(X)	683	206	125	112	639	10	52	318
1975	2,506	8.5	(X)	1,080	367	155	146	899	28	80	489
1980	2,763	2.0	(X)	1,286	403	156	119	880	43	76	566
1985, prel.	2,996	1.6	(X)	1,526	395	172	111	683	49	57	720

NA Not available. X Not applicable. <sup>1</sup> Excludes program parts of social insurance, public aid, veterans, and other social welfare. <sup>2</sup> Combines "Health and medical programs" with medical services included in social insurance, public aid, veterans, vocational rehabilitation, and antipoverty programs. <sup>a</sup> Change from 1955. <sup>b</sup> Excludes payments within foreign countries for education, veterans, OASDHI, and civil service retirement. <sup>c</sup> Constant dollar figures are based on implicit price deflators for personal consumption expenditures published by U.S. Bureau of Economic Analysis; see table 732.

Source: U.S. Social Security Administration, *Social Security Bulletin*, June 1987, and earlier and forthcoming issues.



**NO. 553. SOCIAL WELFARE EXPENDITURES, BY SOURCE OF FUNDS AND PUBLIC PROGRAM  
1980 TO 1985**

[In millions of dollars. See headnote, table 552, and *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data]

PROGRAM	1980		1983		1984, prel.		1985, prel.	
	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local
<b>Total</b>	<b>302,516</b>	<b>190,180</b>	<b>306,792</b>	<b>243,286</b>	<b>419,264</b>	<b>252,707</b>	<b>451,241</b>	<b>277,878</b>
<b>Social insurance</b>	<b>191,162</b>	<b>38,982</b>	<b>274,212</b>	<b>55,846</b>	<b>289,884</b>	<b>52,381</b>	<b>313,107</b>	<b>59,477</b>
Old-age, survivors, disability, health	152,110	(x)	224,709	(x)	239,395	(x)	260,469	(x)
Health insurance (Medicare)	34,092	(x)	56,930	(x)	62,481	(x)	72,194	(x)
Public employee retirement <sup>1</sup>	26,983	12,507	36,920	17,914	38,567	20,300	40,503	22,540
Railroad employee retirement	4,789	(x)	6,082	(x)	5,144	(x)	6,275	(x)
Unemployment insurance and employment services <sup>2</sup>	4,406	13,919	3,144	22,206	2,529	13,575	2,804	15,740
Other railroad employee insurance <sup>3</sup>	224	(x)	446	(x)	230	(x)	189	(x)
State temporary disability insurance <sup>4</sup>	(x)	1,377	(x)	1,767	(x)	1,821	(x)	2,000
Workers' compensation <sup>5</sup>	2,669	10,789	2,909	14,959	2,999	16,084	3,067	19,197
Hospital and medical benefits	130	3,506	264	4,816	282	5,729	260	6,800
<b>Public aid</b>	<b>48,696</b>	<b>23,133</b>	<b>55,895</b>	<b>29,836</b>	<b>57,666</b>	<b>32,266</b>	<b>61,173</b>	<b>34,792</b>
Public assistance <sup>6</sup>	23,542	21,346	29,796	27,824	30,836	30,182	33,523	32,567
Medical vendor payments (Medicaid) <sup>7</sup>	14,550	12,844	16,626	17,499	20,212	19,251	22,650	21,261
Social services	1,757	586	1,891	627	2,062	697	2,057	686
Supplemental security income	6,440	1,787	8,683	2,111	9,094	2,043	9,806	2,235
Food stamps	9,083	(x)	11,727	(x)	11,561	(x)	11,701	(x)
Other <sup>8</sup>	9,601	(x)	6,689	(x)	6,173	(x)	6,344	(x)
<b>Health and medical programs</b>	<b>12,688</b>	<b>15,231</b>	<b>15,354</b>	<b>20,382</b>	<b>16,486</b>	<b>21,382</b>	<b>18,500</b>	<b>23,180</b>
Hospital and medical care	8,451	8,042	8,737	7,781	9,082	8,256	9,700	9,000
Civilian programs	2,391	8,042	2,254	7,781	2,392	8,256	(NA)	9,000
Defense Department <sup>9</sup>	4,060	(x)	6,483	(x)	6,690	(x)	(NA)	(x)
Maternal and child health programs	351	516	426	672	352	579	400	700
Medical research	4,414	422	4,964	563	5,407	806	6,200	800
Medical facilities construction	223	1,954	164	1,930	212	1,930	600	1,800
Other	1,250	8,294	1,281	9,416	1,354	9,894	1,400	11,080
<b>Veterans programs</b>	<b>21,254</b>	<b>212</b>	<b>25,541</b>	<b>296</b>	<b>25,822</b>	<b>306</b>	<b>26,833</b>	<b>339</b>
Pensions and compensation	11,306	(x)	13,266	(x)	13,948	(x)	14,258	(x)
Health and medical programs	6,204	(x)	8,389	(x)	8,656	(x)	9,713	(x)
Hospital and medical care	5,750	(x)	7,763	(x)	8,141	(x)	8,908	(x)
Hospital construction	323	(x)	474	(x)	527	(x)	593	(x)
Medical and prosthetic research	131	(x)	152	(x)	166	(x)	215	(x)
Education	2,401	(x)	1,708	(x)	1,413	(x)	1,168	(x)
Life insurance <sup>10</sup>	685	(x)	744	(x)	748	(x)	796	(x)
Welfare and other	679	212	827	286	890	306	900	336
<b>Education</b>	<b>13,432</b>	<b>107,587</b>	<b>12,397</b>	<b>128,416</b>	<b>13,979</b>	<b>136,046</b>	<b>13,740</b>	<b>162,159</b>
Elementary and secondary	7,430	79,720	8,140	96,512	8,659	103,359	7,268	113,474
Construction <sup>11</sup>	41	6,483	77	7,112	28	7,230	23	8,336
Higher	4,466	21,708	5,052	25,416	5,028	27,616	5,102	30,343
Construction	42	1,486	65	1,974	35	2,236	32	2,665
Vocational and adult <sup>12</sup>	1,207	6,199	598	7,486	1,046	8,072	1,087	8,336
<b>Housing</b>	<b>6,808</b>	<b>601</b>	<b>6,087</b>	<b>1,003</b>	<b>6,086</b>	<b>1,306</b>	<b>10,326</b>	<b>1,540</b>
<b>Other social welfare</b>	<b>6,786</b>	<b>4,812</b>	<b>7,046</b>	<b>6,436</b>	<b>7,349</b>	<b>6,099</b>	<b>7,549</b>	<b>6,386</b>
Vocational rehabilitation	1,006	246	1,008	326	1,109	336	1,187	360
Medical services and research	237	56	269	100	277	83	297	86
Institutional care <sup>13</sup>	74	406	107	553	118	753	121	653
Child nutrition <sup>14</sup>	4,209	843	4,099	882	4,270	926	4,349	960
Child welfare <sup>15</sup>	57	743	160	(NA)	165	(NA)	200	(NA)
Special CSA and ACTION programs <sup>16</sup>	2,303	(x)	475	(x)	479	(x)	504	(x)
Welfare, not elsewhere classified <sup>17</sup>	1,137	2,774	1,197	3,677	1,207	4,076	1,188	4,435

NA Not available. X Not applicable. <sup>1</sup> Excludes refunds to those leaving service. Federal data include military retirement. <sup>2</sup> Includes compensation for Federal employees and ex-servicemen, trade adjustment and cash training allowance, and payments under extended, emergency, disaster, and special unemployment insurance programs. <sup>3</sup> Unemployment and temporary disability insurance. <sup>4</sup> Cash and medical benefits in 5 areas. Includes private plans where applicable. <sup>5</sup> Benefits paid by private insurance carriers, State funds, and self-insurers. Federal includes black lung benefit programs. <sup>6</sup> Includes payments under State general assistance programs and work incentive activities, not shown separately. <sup>7</sup> Medical vendor payments are those made directly to suppliers of medical care. <sup>8</sup> Refugee assistance, surplus food for the needy, and work-experience training programs under the Comprehensive Employment and Training Act. Beginning 1983, includes low-income energy assistance program. <sup>9</sup> Includes medical care for military dependent families. <sup>10</sup> Excludes servicemen's group life insurance. <sup>11</sup> Includes Federal expenditures for administrative costs (Department of Education) and research, not shown separately. <sup>12</sup> Construction costs of vocational and adult education programs included under elementary-secondary expenditures. <sup>13</sup> Federal expenditures represent primarily surplus funds for nonprofit institutions. <sup>14</sup> Surplus food for schools and programs under National School Lunch and Child Nutrition Acts. <sup>15</sup> Represents primarily child welfare services under title V of the Social Security Act. <sup>16</sup> Includes domestic volunteer programs under ACTION and community action and migrant workers programs under Community Services Administration. <sup>17</sup> Federal expenditures include administrative expenses of the Secretary of Health and Human Services; Indian welfare and guidance; and aging and juvenile delinquency activities. State and local include antipoverty and manpower programs, child care and adoption services, legal assistance, and other unspecified welfare services.

Source: U.S. Social Security Administration, *Social Security Bulletin*, June 1987, and forthcoming issue.



### No. 554. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS AS PERCENT OF GNP AND TOTAL GOVERNMENT OUTLAYS: 1960 TO 1985

[See headnote, table 552. For explanation of annual percent change, see Guide to Tabular Presentation]

YEAR	TOTAL EXPENDITURES				FEDERAL				STATE AND LOCAL GOVERNMENT			
	Total (bil. dol.)	Annual percent change <sup>1</sup>	Percent of—		Total (bil. dol.)	Annual percent change <sup>1</sup>	Percent of—		Total (bil. dol.)	Annual percent change <sup>1</sup>	Percent of—	
			Total GNP <sup>2</sup>	Total govt. outlays			Total GNP <sup>2</sup>	Total Fed- eral outlays			Total GNP <sup>2</sup>	Total State and local outlays
1960	52.3	9.9	10.3	38.4	25.0	11.3	4.9	28.1	27.3	9.7	5.4	60.1
1970	145.9	10.8	14.7	48.2	77.3	12.0	7.6	40.1	68.5	9.8	6.9	64.9
1975	290.1	14.7	19.0	57.4	167.4	16.7	11.0	53.8	122.7	12.4	8.0	69.5
1980	492.8	11.2	18.5	59.5	302.6	12.8	11.3	54.3	190.2	9.2	7.1	61.0
1984, prei.	672.0	9.1	18.2	52.6	419.3	8.5	11.3	50.2	252.7	7.4	6.8	66.9
1985, prei.	729.1	8.5	18.5	52.9	451.2	7.6	11.4	47.7	277.9	10.0	7.0	64.2

<sup>1</sup> Change from prior year shown; for 1960, change from 1955. <sup>2</sup> Gross national product.

Source: U.S. Social Security Administration, *Social Security Bulletin*, June 1987 and forthcoming issue.

### No. 555. PUBLIC INCOME-MAINTENANCE PROGRAMS—CASH BENEFIT PAYMENTS: 1970 TO 1986

[Includes payments outside the United States and benefits to dependents, where applicable]

PROGRAM	PAYMENTS (bil. dol.)										PERCENT		
	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1970	1980	1986
Total <sup>1</sup>	66.6	138.6	192.9	229.0	241.0	263.0	296.9	306.7	327.9	(NA)	100.0	100.0	100.0
Percent of personal income <sup>2</sup>	7.3	10.6	9.5	10.1	9.6	10.6	10.5	10.0	9.4	(NA)	(X)	(X)	(X)
OASDI <sup>3</sup>	31.6	66.6	104.0	120.3	128.7	155.7	165.9	175.5	186.1	193.6	52.2	52.6	56.8
Public employee retirement <sup>4</sup>	9.2	21.3	35.1	40.6	46.4	51.4	56.0	58.6	63.4	(NA)	15.2	17.8	19.3
Railroad retirement	1.8	3.3	4.4	4.9	5.4	5.8	6.0	6.1	6.3	6.4	2.9	2.1	1.9
Veterans' pensions, compensation	5.5	7.7	10.6	11.4	12.6	13.3	13.7	13.8	14.1	14.2	8.1	5.0	4.3
Unemployment benefits <sup>5</sup>	4.2	18.3	10.3	16.9	13.7	21.1	19.2	13.6	14.4	16.0	7.0	6.3	4.4
Temporary disability benefits	7	.9	1.2	1.4	1.6	1.8	1.8	1.8	1.8	1.9	1.2	.8	.6
Workers' compensation <sup>6</sup>	2.0	4.6	8.5	9.6	10.6	11.4	12.2	13.3	15.2	16.0	3.3	4.2	4.8
Public assistance <sup>7</sup>	4.9	9.3	10.7	12.1	13.2	13.0	13.9	14.6	15.3	16.1	8.0	6.3	4.7
Supplemental Security Income <sup>8</sup>	(X)	5.9	7.2	7.9	8.5	9.0	9.5	10.4	11.1	12.1	(X)	3.4	3.4

NA, Not available. X, Not applicable. <sup>1</sup> Includes lump sum death benefits, not shown separately. <sup>2</sup> For base data, see table 578. <sup>3</sup> Old-age, survivors, and disability insurance under Federal Social Security Act; see text, section 12. <sup>4</sup> Excludes refunds of contributions to employees who leave service. <sup>5</sup> Beginning 1981, covers State unemployment insurance, Ex-Servicemen's Compensation Act and railroad unemployment insurance only. <sup>6</sup> Includes black lung benefits. <sup>7</sup> Beginning 1975, Federal grants to States for aid to aged, blind, and disabled replaced by Supplemental Security Income programs; see text, section 12.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly and unpublished data.

### No. 556. HOUSEHOLDS RECEIVING MEANS-TESTED NONCASH BENEFITS, 1980 TO 1985, AND BY POVERTY STATUS, 1985

[Households as of March of following year. Covers civilian noninstitutional population, including persons in the Armed Forces living off post or with their families on post. A means-tested benefit program requires that the household's income and/or assets fall below specified guidelines in order to qualify for benefits. The means-tested noncash benefits covered are food stamps, free or reduced-price school lunches, public or subsidized housing, and Medicaid. There are general trends toward under-estimation of noncash beneficiaries. Households are classified according to poverty status of family or nonfamily householder; for explanation of poverty level, see text, section 14. Based on Current Population Survey; see text, section 1, and Appendix B]

TYPE OF BENEFIT RECEIVED	1980, total (1,000)	1982, total (1,000)	1983, total (1,000)	1984, total (1,000)	1985, total (1,000)	1985		
						Total (1,000)	Below poverty level	
							Number (1,000)	Percent distribu- tion
Total households	82,366	85,915	86,407	86,769	86,488	11,966	100.0	76,488
Not receiving noncash benefits	66,102	66,303	70,686	72,194	73,992	4,926	41.1	69,064
Not receiving cash public assistance	67,743	66,079	70,645	71,958	73,731	4,885	40.5	68,889
Receiving cash public assistance <sup>1</sup>	359	224	241	237	261	63	.5	187
Receiving at least one noncash benefit	14,266	14,815	14,521	14,594	14,466	7,067	58.9	7,399
Not receiving cash public assistance	7,660	8,441	8,123	7,973	7,660	2,917	24.3	4,643
Receiving cash public assistance <sup>1</sup>	6,407	6,174	6,398	6,621	6,807	4,151	34.6	2,486
Total households receiving—								
Food stamps	6,769	7,164	7,170	7,081	6,779	4,944	41.2	1,835
School lunch	5,532	5,634	5,646	5,637	5,752	2,974	24.8	2,778
Public housing	2,777	3,156	3,234	3,586	3,769	2,071	17.3	1,729
Medicaid	6,267	6,066	6,148	6,223	6,178	4,761	39.9	3,387

<sup>1</sup> Households receiving money from Aid to Families with Dependent Children program, Supplemental Security Income program, or other public assistance programs.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 165 and earlier reports.

## No. 557. CASH AND NONCASH BENEFITS FOR PERSONS WITH LIMITED INCOME: 1980 TO 1986

[For years ending September 30, except as noted. Programs covered in this table provide cash, goods, or services to persons who make no payment and render no service in return. In case of job and training programs and some educational benefits, recipients must work or study for wages, training allowances, stipends, grants, or loans. Most of the programs base eligibility on individual, household, or family income, but some use group or area income tests; and a few offer help on the basis of presumed need.]

PROGRAM	AVERAGE MONTHLY RECIPIENTS (1,000)			EXPENDITURES (mil. dol.)					
	1980	1985	1986	Total <sup>1</sup>			Federal		
				1980	1985	1986	1980	1985	1986
Total	(X)	(X)	(X)	104,868	140,434	145,820	80,519	104,893	108,146
Medical care <sup>2</sup>	(X)	(X)	(X)	32,241	48,297	51,870	19,237	27,548	29,898
Medicaid <sup>3</sup>	<sup>4</sup> 21,736	<sup>4</sup> 21,808	<sup>4</sup> 22,582	25,781	41,190	44,725	14,550	22,855	24,985
Veterans <sup>5</sup>	(NA)	<sup>6</sup> 245	<sup>6</sup> 245	<sup>7</sup> 3,349	<sup>7</sup> 3,053	<sup>7</sup> 3,183	<sup>7</sup> 3,349	<sup>7</sup> 3,053	<sup>7</sup> 3,183
General assistance	(NA)	(NA)	(NA)	<sup>7</sup> 1,810	<sup>7</sup> 1,848	<sup>7</sup> 1,850	-	-	-
Indian Health Services	<sup>8</sup> 829	<sup>8</sup> 931	<sup>8</sup> 987	549	852	821	549	852	821
Maternal and child health services	(NA)	(NA)	(NA)	328	783	681	214	478	389
Community health centers	<sup>9</sup> 5,000	<sup>9</sup> 5,200	<sup>9</sup> 5,350	325	383	396	325	383	396
Cash aid <sup>10</sup>	(X)	(X)	(X)	29,382	38,074	40,799	19,618	24,824	26,799
A.F.D.C. <sup>11</sup>	10,489	10,794	10,995	13,019	16,738	17,757	8,964	8,909	9,536
Supplemental Security Income <sup>12</sup>	4,160	4,305	4,449	8,435	11,857	12,820	<sup>13</sup> 8,365	<sup>13</sup> 8,803	<sup>13</sup> 10,307
Pensions for needy veterans <sup>14</sup>	<sup>15</sup> 3,076	<sup>15</sup> 1,489	<sup>15</sup> 1,397	3,585	3,842	3,874	3,585	3,842	3,874
General assistance	910	<sup>16</sup> 1,323	<sup>16</sup> 1,332	<sup>16</sup> 1,388	<sup>16</sup> 2,498	<sup>16</sup> 2,805	-	-	-
Earned income tax credit	<sup>17</sup> 21,200	<sup>17</sup> 18,500	<sup>17</sup> 18,830	2,033	1,800	2,043	2,033	1,800	2,043
Food benefits <sup>18</sup>	(X)	(X)	(X)	13,548	20,085	20,088	13,069	18,058	18,998
Food stamps <sup>19</sup>	21,100	21,400	20,900	9,578	13,470	13,488	9,195	12,589	12,528
School lunch program <sup>20</sup>	<sup>21</sup> 12,200	<sup>21</sup> 11,500	<sup>21</sup> 11,800	<sup>22</sup> 2,110	<sup>22</sup> 2,858	<sup>22</sup> 2,888	<sup>22</sup> 2,110	<sup>22</sup> 2,858	<sup>22</sup> 2,888
Women, infants and children <sup>23</sup>	1,980	3,139	3,318	772	1,500	1,579	772	1,500	1,579
Temporary emergency food assistance	(X)	(NA)	<sup>24</sup> 16,000	(X)	1,015	898	(X)	1,015	898
Nutrition program for elderly <sup>25</sup>	<sup>26</sup> 3,083	<sup>26</sup> 3,830	<sup>26</sup> 3,584	459	814	815	383	458	451
Housing benefits <sup>27</sup>	(X)	(X)	(X)	9,808	14,115	13,250	9,605	14,115	13,250
Lower-income housing assist. (Sec. 8)	<sup>28</sup> 1,153	<sup>28</sup> 2,010	<sup>28</sup> 2,143	2,104	6,818	7,430	2,104	6,818	7,430
Low-rent public housing	<sup>29</sup> 1,162	<sup>29</sup> 1,355	<sup>29</sup> 1,380	2,185	3,408	2,882	2,185	3,408	2,882
Rural housing loans	<sup>30</sup> 82	<sup>30</sup> 41	<sup>30</sup> 28	<sup>31</sup> 2,887	<sup>31</sup> 1,790	<sup>31</sup> 1,155	<sup>31</sup> 2,887	<sup>31</sup> 1,790	<sup>31</sup> 1,155
Rural rental housing loans	<sup>32</sup> 33	<sup>32</sup> 28	<sup>32</sup> 21	<sup>33</sup> 881	<sup>33</sup> 903	<sup>33</sup> 652	<sup>33</sup> 881	<sup>33</sup> 903	<sup>33</sup> 652
Interest reduction payments	<sup>34</sup> 538	<sup>34</sup> 528	<sup>34</sup> 484	656	619	633	656	619	633
Education aid <sup>35</sup>	(X)	(X)	(X)	5,178	10,056	10,583	4,890	9,569	10,101
Pell grants	<sup>36</sup> 2,900	<sup>36</sup> 2,797	<sup>36</sup> 2,881	<sup>37</sup> 2,431	<sup>37</sup> 2,800	<sup>37</sup> 3,882	<sup>38</sup> 2,431	<sup>38</sup> 2,800	<sup>38</sup> 3,882
Guaranteed student loans <sup>39</sup>	(X)	<sup>40</sup> 3,477	<sup>40</sup> 3,242	(X)	<sup>41</sup> 3,889	<sup>41</sup> 3,295	(X)	<sup>41</sup> 3,889	<sup>41</sup> 3,295
Head Start	376	448	448	920	1,308	1,267	736	1,048	1,013
College Work-Study Program	<sup>42</sup> 795	<sup>42</sup> 737	<sup>42</sup> 870	<sup>43</sup> 495	<sup>43</sup> 555	<sup>43</sup> 583	<sup>43</sup> 495	<sup>43</sup> 555	<sup>43</sup> 583
Supplemental Educational Opportunity Grants	<sup>44</sup> 650	<sup>44</sup> 720	<sup>44</sup> 720	<sup>45</sup> 355	<sup>45</sup> 375	<sup>45</sup> 413	<sup>45</sup> 355	<sup>45</sup> 375	<sup>45</sup> 413
Jobs and training <sup>46</sup>	(X)	(X)	(X)	6,708	3,976	3,700	8,625	3,885	3,828
Employment and training services <sup>47</sup>	<sup>48</sup> 381	<sup>48</sup> 350	<sup>48</sup> 337	2,144	<sup>49</sup> 1,886	<sup>49</sup> 1,783	2,144	<sup>49</sup> 1,886	<sup>49</sup> 1,783
Summer youth employment program <sup>50</sup>	<sup>51</sup> 1,000	<sup>51</sup> 785	<sup>51</sup> 634	721	<sup>52</sup> 725	<sup>52</sup> 836	721	<sup>52</sup> 725	<sup>52</sup> 836
Job Corps <sup>53</sup>	<sup>54</sup> 36	<sup>54</sup> 41	<sup>54</sup> 41	470	<sup>55</sup> 617	<sup>55</sup> 613	470	<sup>55</sup> 617	<sup>55</sup> 613
Senior community service employment program	<sup>56</sup> 52	<sup>56</sup> 84	<sup>56</sup> 61	297	<sup>57</sup> 362	<sup>57</sup> 347	297	<sup>57</sup> 326	<sup>57</sup> 312
Work incentive program	<sup>58</sup> 1,037	<sup>58</sup> 1,013	<sup>58</sup> 970	406	297	234	365	267	211
Services <sup>59</sup>	(X)	(X)	(X)	4,596	3,551	3,389	3,735	3,551	3,389
Social services (Title 20) <sup>60</sup>	<sup>61</sup> 7,000	(NA)	(NA)	3,848	2,725	2,584	2,785	2,725	2,584
Community services block grant	(X)	(X)	(X)	<sup>62</sup> 557	372	354	<sup>63</sup> 557	372	354
Energy assistance <sup>64</sup>	(X)	(X)	(X)	1,721	2,270	2,131	1,721	2,245	2,087
Low-income energy assistance <sup>65</sup>	<sup>66</sup> 8,700	<sup>66</sup> 6,800	<sup>66</sup> 6,700	1,539	<sup>67</sup> 2,079	<sup>67</sup> 1,949	1,539	2,064	1,905

- Represents zero. NA Not available. X Not applicable. <sup>1</sup> Includes State and local government expenditures not shown separately. <sup>2</sup> Includes other programs not shown separately. <sup>3</sup> Expenditure data include administrative expenses.

<sup>4</sup> Unduplicated annual number. <sup>5</sup> Medical care for veterans with a non-service-connected disability. <sup>6</sup> Estimated number of patients discharged from hospital during year. <sup>7</sup> Estimated. <sup>8</sup> Annual numbers. <sup>9</sup> Aid to Families with Dependent Children program. Excludes data for foster care program. <sup>10</sup> Excludes Federal sums spent for SSI (State supplements) to Indo-Chinese refugees. <sup>11</sup> Includes dependents and survivors. <sup>12</sup> Estimate as of June for 1980 and as of Sept. for other years.

<sup>13</sup> Data for Alaska and Vermont were not reported. <sup>14</sup> Beginning 1985, includes Puerto Rico's nutritional assistance program, which replaced food stamp program there in July 1982. <sup>15</sup> Free and reduced-price segments. <sup>16</sup> Estimated daily average.

<sup>17</sup> Includes estimate of commodity assistance. <sup>18</sup> Special supplemental food program for women, infants, and children. <sup>19</sup> Estimate. As of October. <sup>20</sup> No income test required but preference given to those with greatest need. <sup>21</sup> Units eligible for payment at end of year. <sup>22</sup> Represents total families or dwelling units during year. <sup>23</sup> Amount of loans obligated.

<sup>24</sup> Total numbers for an award year ending July of year shown. <sup>25</sup> Appropriation available for school year ending in the fiscal year named. <sup>26</sup> Program had no income test in 1980. <sup>27</sup> Net obligations for school year beginning in fiscal year named.

<sup>28</sup> Programs represent specific titles under the Job Training and Partnership Act (JTPA) and its (1980) predecessor, the Comprehensive Employment and Training Act. <sup>29</sup> Average number of job and training slots for program year. <sup>30</sup> Funds obligated. <sup>31</sup> Total participants (June-August). <sup>32</sup> Annual number of jobs authorized. <sup>33</sup> New registrants only. <sup>34</sup> Data are unavailable for non-Federal funds spent after FY 1981, when State funding requirements were repealed. <sup>35</sup> Estimate of annual number of primary recipients. <sup>36</sup> Predecessor programs under Community Services Administration. <sup>37</sup> Number of households aided during year includes all SSI households, which received special energy aid that year. Count includes some duplications. <sup>38</sup> Number of households that received heating aid, crisis intervention, or weatherization aid. Excludes households that received only cooling aid. <sup>39</sup> State spending includes funds received as "oil overcharge" settlements.

Source: Library of Congress, Congressional Research Service, "Cash and Noncash Benefits for Persons With Limited Income: Eligibility Rules, Recipient and Expenditure Data, FY 1984-86," Report No. 87-759 EPW, September 1987 and previous reports.

No. 558. SOCIAL INSURANCE AND RELATED PROGRAMS—CASH BENEFICIARIES AND BENEFITS, BY PROGRAM: 1960 TO 1985

[Includes some beneficiaries and benefit payments for some programs in outlying areas. OASDHI—Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, section 12. Partly estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 125-171]

PROGRAM	BENEFICIARIES <sup>1</sup> (1,000)					AMOUNT OF BENEFITS (mil. dol.)				
	1965	1962	1963	1964	1965	1960	1962	1963	1964	1965
Total.....	(x)	(x)	(x)	(x)	(x)	207,797	261,238	275,166	282,979	301,726
Percent of personal income.....	(x)	(x)	(x)	(x)	(x)	9.2	9.8	9.7	9.1	9.1
Retirement <sup>2</sup> .....	(x)	(x)	(x)	(x)	(x)	113,252	149,075	161,327	173,419	186,786
OASDHI.....	22,267	24,148	24,749	25,237	25,739	77,905	104,884	114,048	123,804	132,298
Public employee retirement.....	4,208	4,595	4,857	5,126	5,268	32,416	40,659	43,581	45,854	50,826
Federal civil service.....	913	989	1,015	1,057	1,080	10,227	13,113	14,003	14,399	15,261
Other Federal employee <sup>3</sup> .....	1,149	1,202	1,239	1,281	1,281	11,397	14,044	14,854	15,318	16,071
State and local government.....	2,148	2,404	2,403	2,809	2,907	10,792	13,501	14,724	16,137	19,293
Railroad retirement.....	589	584	580	592	588	2,931	3,531	3,896	3,762	3,862
Disability <sup>2 4</sup> .....	(x)	(x)	(x)	(x)	(x)	38,659	46,679	48,063	50,133	53,129
OASDHI.....	4,729	4,174	3,875	3,806	3,873	15,437	17,338	17,530	17,997	18,827
Public employee retirement.....	720	778	786	730	751	5,371	8,953	7,351	7,676	7,507
Federal civil service.....	355	384	395	383	374	2,865	3,702	3,913	4,061	4,311
Other Federal employee <sup>3</sup> .....	157	145	145	144	145	1,275	1,439	1,452	1,437	1,456
State and local government.....	208	250	248	223	232	1,211	1,811	1,967	2,178	1,736
Railroad retirement.....	95	92	69	87	85	584	689	674	661	696
Veterans Admin. programs <sup>5</sup> .....	3,194	3,089	3,030	2,985	2,933	8,602	10,203	10,499	10,578	10,746
Workers' compensation.....	(NA)	(NA)	(NA)	(NA)	(NA)	7,245	8,977	9,519	10,852	12,664
Black lung benefit program.....	252	147	134	172	156	1,077	916	870	823	796
Temporary disability:										
State insurance <sup>6</sup> .....	199	216	224	191	(NA)	1,300	1,588	1,580	1,584	1,844
Railroad insurance.....	14	14	13	11	11	63	56	50	42	47
Survivor monthly benefits.....	(x)	(x)	(x)	(x)	(x)	34,988	43,841	45,615	44,971	46,231
OASDHI.....	8,260	7,435	7,310	7,196	7,162	28,654	33,612	35,164	33,917	34,807
Public employee retirement.....	783	811	842	636	584	2,895	3,762	4,078	4,556	4,702
Federal civil service.....	439	485	503	490	517	1,930	2,466	2,677	3,011	3,119
Other Federal employee <sup>3</sup> .....	71	83	93	104	114	301	437	499	555	616
State and local government.....	253	243	248	242	253	664	857	903	990	988
Railroad retirement.....	330	324	310	322	311	1,372	1,644	1,671	1,679	1,702
Veterans Admin. programs <sup>5</sup> .....	1,485	1,380	1,227	1,157	1,082	2,755	3,113	3,192	3,230	3,310
Workers' compensation.....	(NA)	(NA)	(NA)	(NA)	(NA)	675	605	810	860	980
Black lung benefit program.....	158	208	200	151	148	635	705	700	710	730
Lump-sum payments.....	(x)	(x)	(x)	(x)	(x)	984	770	823	812	619
OASDHI.....	(x)	(x)	(x)	(x)	(x)	396	203	205	140	143
Public employee retirement.....	(x)	(x)	(x)	(x)	(x)	377	438	491	538	543
Federal civil service.....	(x)	(x)	(x)	(x)	(x)	23	37	34	37	34
Other Federal employee.....	(x)	(x)	(x)	(x)	(x)	3	4	5	6	7
State and local government.....	(x)	(x)	(x)	(x)	(x)	352	396	452	495	502
Railroad retirement.....	(x)	(x)	(x)	(x)	(x)	14	11	11	11	9
Veterans Admin. programs <sup>5</sup> .....	(x)	(x)	(x)	(x)	(x)	178	118	116	123	124
Unemployment.....	(x)	(x)	(x)	(x)	(x)	18,936	21,072	19,281	13,643	14,761
State unemployment insurance <sup>7</sup> ..	2,830	3,897	2,337	2,167	2,287	18,758	20,733	18,992	13,495	14,629
Railroad unemployment insurance.....	38	77	43	26	29	179	339	289	148	132

NA Not available. X Not applicable. <sup>1</sup> For old-age, survivors, disability, and health insurance, average monthly number; for public employee retirement systems, veterans programs, and the black lung benefit program, number on rolls June 30; for railroad retirement program, number on rolls as of September 30; for State unemployment and temporary disability insurance, average weekly number; for railroad unemployment and temporary disability insurance, average number during 14-day registration period. For Federal programs under the Uniformed Services Contingency Option Act of 1953 and for State and local government retirement systems, number of survivor beneficiaries represents families. <sup>2</sup> Includes benefits to dependents where applicable. <sup>3</sup> Benefits for career military personnel (those with 20 years' service) are paid by the U.S. Dept. of Defense and are included under "Other Federal employee". <sup>4</sup> Excludes payments for medical care. <sup>5</sup> Payable in CA, NJ, NY, RI, and PR under public and private plans. Data for beneficiaries in NJ not available. <sup>6</sup> Lump sums are for burial of deceased veterans. <sup>7</sup> Includes payments made by the States as agents of the Federal Government under the Federal employees' unemployment compensation program and under the Ex-Servicemen's Compensation Act of 1958, and payment under the extended unemployment insurance programs, the Trade Expansion Act of 1962, the Disaster Relief Act of 1970 and the Trade Act of 1974. Beginning 1982, payments cover State unemployment insurance and Ex-Servicemen's Compensation Act only. Beneficiaries relate to regular State unemployment insurance, Federal employee (1980), and ex-servicemen programs only. Includes Puerto Rico.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

## No. 588. ESTIMATED WORKERS UNDER SOCIAL INSURANCE PROGRAMS: 1960 TO 1966

In millions, except percent. As of December, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series H 51-56j.

EMPLOYMENT AND COVERAGE STATUS	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total labor force <sup>1</sup>	73.1	86.2	96.3	109.1	115.7	112.7	113.5	115.7	117.5	119.5
in civilian population	64.6	77.6	86.0	98.9	99.0	96.4	102.2	105.5	107.7	110.2
Wage and salary workers	55.3	70.6	78.7	90.2	90.4	89.5	93.0	95.4	96.5	100.8
Self-employed	9.3	8.9	7.3	8.7	8.6	8.9	9.2	9.1	9.2	9.4
Unpaid family workers	1.4	.6	.7	.8	.5	.5	.6	.5	.4	.4
Unemployed	4.5	2.6	7.3	7.4	8.0	11.8	9.0	8.0	7.7	7.5
Armed Forces <sup>2</sup>	2.5	3.4	2.2	2.1	2.2	2.2	1.7	1.7	1.7	1.7
Civilian population covered by:										
Public retirement programs	66.9	75.3	83.7	94.4	95.4	95.7	99.6	104.7	106.8	108.7
OASDI <sup>3</sup>	55.4	69.2	77.0	89.3	89.5	88.9	92.7	97.5	99.7	102.5
Wage and salary workers	48.0	63.4	70.6	81.8	81.9	81.1	84.5	89.0	91.2	93.8
Percent of all wage and salary workers	86.8	89.5	89.7	90.7	90.6	90.6	90.9	92.3	92.6	93.1
Self-employed	7.4	5.8	6.4	7.5	7.5	7.8	5.2	5.5	5.5	5.7
Railroad retirement	.9	.6	.5	.5	.5	.4	.4	.4	.3	.3
Public employees retirement <sup>4</sup>	4.6	5.5	6.2	6.6	6.4	6.4	6.4	6.8	6.9	6.9
Unemployment insurance	45.7	55.8	66.7	87.2	88.9	87.9	91.3	95.8	96.3	(NA)
Workers' compensation	44.6	58.9	66.6	78.1	78.3	77.3	80.9	84.5	87.8	(NA)
Temporary disability insurance	11.3	14.8	15.7	18.4	18.4	18.1	18.7	19.3	19.8	(NA)

NA Not available. <sup>1</sup> Data from U.S. Bureau of Labor Statistics and based on U.S. Bureau of the Census' Current Population survey; see text, section 1, and Appendix III. <sup>2</sup> Excludes Armed Forces overseas beginning 1963.

<sup>3</sup> OASDI—Old-age, survivors, disability, and health insurance. Excludes members of Armed Forces and railroad employees.

<sup>4</sup> Data represent yearly averages. Excludes State and local government employees covered by both OASDI and their own retirement program.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

## No. 589. SELECTED SOCIAL INSURANCE PROGRAMS—ESTIMATED PAYROLLS OF COVERED EMPLOYMENT IN RELATION TO WAGES AND SALARIES: 1970 TO 1986

In billions of dollars, except percent. Data for Federal civilian and military personnel cover all areas. Gross amount before deduction of social insurance contributions. OASDI: Old-age, survivors, disability, and health insurance programs under Social Security Act; see text, section 12. See also *Historical Statistics, Colonial Times to 1970*, series H 57-60j.

PROGRAM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1986
Total earnings <sup>1</sup>	615	896	1,225	1,370	1,534	1,613	1,717	1,809	2,074	2,221
Total wages and salaries <sup>2</sup>	549	806	1,106	1,236	1,357	1,493	1,586	1,696	1,837	1,986
Civilian	528	783	1,081	1,211	1,327	1,458	1,528	1,619	1,775	1,887
Payrolls covered by:										
Retirement programs <sup>3</sup>	528	783	1,082	1,207	1,328	1,451	1,531	1,614	1,767	2,029
OASDI <sup>4</sup>	480	713	1,000	1,118	1,229	1,348	1,422	1,500	1,649	1,780
Railroad retirement <sup>5</sup>	6	6	11	12	13	13	12	12	13	13
Federal civil service	26	37	45	48	52	56	56	62	65	66
State and local government	53	87	109	116	131	142	154	166	178	190
Unemployment insurance <sup>6</sup>	366	653	1,055	1,134	1,243	1,367	1,509	1,582	1,731	1,940
Workers' compensation program <sup>7</sup>	437	672	922	1,041	1,136	1,247	1,301	1,362	1,516	1,618
Total earnings in self-employment covered by OASDI	48	70	88	100	97	94	98	106	120	120
Percent of civilian payrolls covered by—										
OASDI <sup>4</sup>	90.9	91.1	92.4	92.3	92.6	92.5	93.1	92.6	92.9	92.8
Railroad retirement <sup>5</sup>	1.2	1.1	1.0	1.0	1.0	.9	.8	.7	.7	.7
Federal civil service retirement	5.0	4.7	4.2	4.0	3.9	3.8	3.9	3.8	3.7	3.7
State and local government retirement	10.1	11.1	10.1	9.7	9.9	9.7	10.1	10.3	10.1	10.0
Unemployment insurance <sup>6</sup>	73.7	83.4	97.6	93.6	93.7	93.8	98.4	97.7	97.5	102.2
Workers' compensation program <sup>7</sup>	82.8	85.8	85.3	84.6	86.7	85.6	85.1	85.4	85.4	85.3

<sup>1</sup> Data from U.S. Bureau of Economic Analysis. Earnings include self-employed; wages and salaries represent civilian and military pay in cash and in kind. <sup>2</sup> Adjusted for duplication in coverage by both OASDI and State and local government retirement plans. <sup>3</sup> Taxable plus estimated nontaxable wages and salaries.

<sup>4</sup> Includes Armed Forces in all areas. <sup>5</sup> Payrolls of employees insured with private carriers, State funds, or self-insured, and pay covered by Federal programs in all areas. <sup>6</sup> Percent computed after excluding Armed Forces payroll covered by ASDH.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

# NO. 581. SELECTED SOCIAL INSURANCE PROGRAMS—SOURCE OF FUNDS FROM CONTRIBUTIONS AND TRANSFERS: 1970 TO 1986

(In millions of dollars)

PROGRAM AND SOURCE OF FUNDS	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>Social Security trust funds:</b>										
Old-age and survivors insurance (OASI)	30,705	57,241	86,478	103,889	123,301	124,363	143,878	167,062	182,368	194,385
Employer	14,480	27,184	42,288	49,731	56,972	56,105	63,835	78,110	83,682	90,881
Employee	14,204	28,947	41,888	49,436	56,856	56,916	63,731	73,961	83,400	88,798
Self-employed	1,584	2,684	3,733	4,289	4,999	5,849	5,049	6,632	7,720	8,785
Government <sup>1</sup>	449	425	557	540	875	880	11,182	887	2,529	486
Tax credits <sup>2</sup>	(X)	(X)	(X)	(X)	(X)	(X)	(X)	4,807	1,829	1,805
Taxation of benefits <sup>3</sup>	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2,836	3,208	3,434
Disability insurance (DI)	4,487	7,534	15,232	13,386	16,906	22,169	19,112	16,135	16,430	16,887
Employer	2,184	3,582	7,257	6,207	8,074	10,597	8,379	7,536	8,119	8,703
Employee	2,117	3,530	7,186	6,254	8,035	10,574	8,339	7,134	8,087	8,888
Self-employed	210	352	871	884	829	824	830	741	778	888
Government <sup>1</sup>	18	90	116	130	188	174	—	82	1,046	31
Tax credits <sup>2</sup>	(X)	(X)	(X)	(X)	(X)	(X)	(X)	441	178	152
Taxation of benefits <sup>3</sup>	(X)	(X)	(X)	(X)	(X)	(X)	(X)	190	222	238
Hospital insurance (HI)	5,820	12,318	21,885	24,982	34,157	35,976	41,293	43,571	48,035	55,848
Employer	2,379	5,578	10,115	11,581	16,087	16,781	18,187	20,388	22,813	25,888
Employee	2,332	5,530	10,084	11,518	16,015	16,734	18,128	20,356	22,549	25,879
Self-employed	189	395	829	739	856	1,081	943	1,381	1,870	2,308
Government <sup>1</sup>	574	670	908	871	900	1,015	3,639	899	47	657
Supplementary medical insurance (SMI) <sup>4</sup>	2,189	4,588	8,354	10,486	15,013	15,981	19,087	22,221	23,883	23,894
Aged	1,086	1,759	2,451	2,707	3,358	3,341	3,845	4,721	5,105	5,218
Disabled	(X)	158	267	304	366	356	391	445	508	604
Government	1,093	2,648	6,645	7,455	11,291	12,284	14,681	17,054	18,250	17,802
Railroad retirement <sup>5</sup>	988	1,506	2,508	2,830	2,827	3,304	3,804	4,803	4,888	4,811
Employer	510	1,146	1,854	1,722	1,817	2,036	2,014	2,379	2,417	2,419
Employee	439	358	531	594	664	858	849	1,022	1,110	1,129
Government <sup>1</sup>	19	4	313	313	126	410	741	1,008	1,089	873
Federal civil service	3,870	9,507	16,328	19,986	22,554	23,954	25,124	25,588	27,180	(NA)
Employer (Federal and DC govt.)	2,001	5,905	12,916	16,220	18,508	19,736	20,673	20,900	22,472	(NA)
Employee	1,869	2,600	3,412	3,766	4,046	4,228	4,451	—	4,688	(NA)
State and local government <sup>6</sup>	7,895	14,580	22,702	25,654	27,896	30,782	32,780	34,309	(NA)	(NA)
Employer (government)	4,820	9,680	16,434	18,778	20,190	22,366	24,060	25,305	(NA)	(NA)
Employee	2,975	4,899	6,268	6,876	7,706	8,416	8,740	8,904	(NA)	(NA)

NA Not available. X Not applicable.

<sup>1</sup> Represents cost of gratuitous military service wage credits and, for OASI only, Federal payments for special age-72 benefits. For HI only, also includes transfers of appropriations for HI benefits of persons not insured for cash benefits under OASI, DI, or railroad retirement and, beginning 1979, transfers for Professional Standards Review Organization expenditures. Beginning 1983, includes loans on deemed wage credits for military service performed after 1966. <sup>2</sup> See footnotes 4, 5, and 6, table 583.

<sup>3</sup> Revenues arising from application of income tax to up to half of the social security benefits of beneficiaries who have substantial amounts of other income. <sup>4</sup> Includes other sources not shown separately. <sup>5</sup> Includes premiums paid on behalf of eligible by State governments under "buy-in" arrangements. <sup>6</sup> Excludes HI contributions and includes employer contributions to supplement benefit account. <sup>7</sup> Includes voluntary contributions to purchase additional annuity. <sup>8</sup> Estimated.

## NO. 582. SOCIAL SECURITY (OASDI)—COVERED EMPLOYMENT AND EARNINGS: 1960 TO 1986

(Includes Puerto Rico and Virgin Islands and beginning 1970, American Samoa and Guam. OASDI: Old-age, survivors, and disability insurance. Represents all reported employment. Data are estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 172-185.)

Item	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
Living covered workers <sup>1</sup>	Million	107.4	133.5	145.2	158.0	161.5	163.4	165.6	167.8	169.5	171.4
With insured status <sup>2</sup>	Million	78.6	105.3	120.0	136.7	140.3	142.9	144.5	145.9	147.9	150.3
Male	Million	49.2	61.7	68.1	75.4	76.8	77.7	78.2	78.8	79.8	80.8
Female	Million	27.4	43.6	51.9	61.3	63.5	65.1	66.2	67.2	68.3	69.7
Under 25 years old	Million	10.6	17.7	21.6	25.3	26.0	25.3	24.4	23.1	22.2	21.6
25-34 years old	Million	16.4	22.2	26.5	34.8	36.4	37.3	38.0	38.6	39.3	40.1
35-44 years old	Million	17.4	19.0	19.1	22.4	23.1	24.4	25.9	27.2	28.5	29.9
45-54 years old	Million	14.4	18.2	19.4	18.7	18.6	18.6	18.6	18.8	19.0	19.3
55-64 years old	Million	7.0	10.5	11.6	12.6	12.7	12.8	12.8	12.7	12.6	12.6
65-69 years old	Million	2.3	3.7	4.2	4.8	4.7	4.8	4.9	5.0	5.1	5.2
70 years old and over	Million	3.8	5.0	5.9	6.7	6.6	7.0	7.0	7.1	7.3	7.4
Workers reported with—											
Taxable earnings <sup>3</sup>	Million	73	85	100	114	116	113	113	119	122	124
Maximum earnings <sup>3</sup>	Million	20	24	15	10	9	8	7	7	7	7
Earnings in covered employment	Bl. dol	265	532	787	1,321	1,446	1,512	1,608	1,770	1,907	2,036
Reported taxable <sup>4</sup>	Bl. dol	207	416	685	1,175	1,301	1,357	1,448	1,603	1,719	1,841
Percent of total	Percent	78.1	78.2	84.5	88.9	89.8	89.7	90.1	90.6	90.1	90.4
Average per worker											
Total earnings	Dollar	3,668	5,711	7,564	11,558	12,521	13,431	14,163	14,926	15,653	16,357
Taxable earnings <sup>5</sup>	Dollar	2,854	4,464	6,834	10,282	11,250	12,048	12,778	13,522	14,113	14,781

<sup>1</sup> Estimated number of persons who had covered employment at any time during the period 1937 to year shown; not adjusted to reflect effect of (a) provisions that coordinate the OASDI and railroad retirement programs and (b) wage credits for military service. Only partially adjusted to eliminate duplicate count of persons with taxable earnings reported on more than one account; number effect of such duplication is substantially less significant for the insured than for the uninsured. Includes persons currently insured and not insured, not shown separately. <sup>2</sup> Fully insured for retirement and/or survivor benefits as of beginning of year. <sup>3</sup> Includes self-employment. See table 583 for maximum taxable earnings.

Source of tables 581 and 582: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

## No. 553. SOCIAL SECURITY (OASDI)—CONTRIBUTION RATES: 1970 TO 1990

† January 1, except as noted. Effect of change represents first full-year effect on contributions of changes in taxable wage base and combined tax rate. OASDI—Old-age, survivors, and disability insurance; HI—Hospital insurance]

YEAR	Annual maximum taxable earnings (dol.)	Maximum tax (dol.)	CONTRIBUTION RATES (percent)						Supplementary medical insurance, monthly rate (dol.)	EFFECT ON CONTRIBUTIONS OF CHANGES IN WAGE BASE AND/OR TAX RATE (bil. dol.)		
			Each employer and employee			Self-employed				Total	Wage base	Tax rate
			Total	OASDI	HI	Total	OASDI	HI				
1970	7,600	374	4.80	4.20	.60	6.80	6.30	.50	5.30	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
1971	14,100	825	6.85	4.95	.90	7.90	7.00	.90	6.70	1.4	1.4	( <sup>1</sup> )
1972	25,900	1,586	6.13	5.08	1.05	8.16	7.05	1.05	8.80	3.6	3.6	( <sup>1</sup> )
1973	29,700	1,975	6.65	5.35	1.30	9.30	8.00	1.30	11.00	10.0	4.2	12.7
1974	32,400	2,171	6.70	5.40	1.30	9.35	8.05	1.30	12.20	4.1	2.6	1.9
1975	35,700	2,392	6.70	5.40	1.30	9.35	8.05	1.30	12.20	3.1	3.1	( <sup>1</sup> )
1976	37,800	2,533	7.00	5.70	1.30	14.00	11.40	2.60	14.60	10.0	1.0	9.0
1977	39,800	2,792	7.05	5.70	1.35	14.10	11.40	2.70	15.50	3.4	1.7	1.7
1978	42,000	3,003	7.15	5.70	1.45	14.30	11.40	2.90	15.50	6.2	2.5	3.7
1979	43,800	3,132	7.15	5.70	1.45	14.30	11.40	2.90	17.90	2.2	2.2	( <sup>1</sup> )
1980	( <sup>1</sup> )	( <sup>1</sup> )	7.51	6.06	1.45	15.02	12.12	2.90	(NA)	(NA)	(NA)	(NA)
1981	( <sup>1</sup> )	( <sup>1</sup> )	7.51	6.06	1.45	15.02	12.12	2.90	(NA)	(NA)	(NA)	(NA)
1982	( <sup>1</sup> )	( <sup>1</sup> )	7.65	6.20	1.45	15.30	12.40	2.90	(NA)	(NA)	(NA)	(NA)

Not available. <sup>1</sup> Effective July 1. <sup>2</sup> No increase occurred. <sup>3</sup> Employee's maximum tax, see footnote 4. <sup>4</sup> Employee pays 6.7 percent. Employee's additional .3 percent is supplied from general revenues. <sup>5</sup> Self-employed pays 11.3 percent in 1984, 11.6 percent in 1985, 12.3 percent in 1986 and 1987, and 13.02 percent in 1988 and 1989. The additional .3 percent is supplied from general revenues. <sup>6</sup> \$4.5 billion of this increase was offset by employee tax credit. <sup>7</sup> Will be offset by Federal law to reflect increasing average earnings levels.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

## No. 554. SOCIAL SECURITY TRUST FUNDS: 1970 TO 1986

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 236-242]

TYPE OF TRUST FUND	1970	1971	1972	1973	1974	1975	1976	1977	1978
<b>Old-age and survivors insurance (OASI):</b>									
contribution income <sup>1</sup>	30,256	55,816	103,456	122,827	123,673	136,337	165,657	180,165	194,165
others from general revenue <sup>2</sup>	449	425	540	675	880	5,541	105	2,203	180
net received <sup>3</sup>	1,515	2,384	1,945	2,080	845	6,706	2,586	1,871	3,058
all payments <sup>4</sup>	25,798	58,517	105,083	123,803	135,808	149,221	157,841	167,248	178,513
its, and of year	32,454	36,967	22,823	21,490	22,089	19,672	27,117	35,842	39,091
survivor ratio <sup>5</sup> (percent)	111	82	21	17	16	13	17	21	22
<b>Disability insurance (DI):</b>									
contribution income <sup>1</sup>	4,481	7,444	13,255	16,736	21,995	17,991	16,135	17,415	16,697
others from general revenue <sup>2</sup>	18	90	130	166	174	1,121	-	1,017	-
net received <sup>3</sup>	277	502	485	172	546	1,589	1,174	870	803
all payments <sup>4</sup>	3,086	8,505	15,515	17,192	17,378	17,524	17,990	18,827	19,883
its, and of year	5,814	7,364	3,629	3,046	2,691	5,195	3,959	6,321	7,780
survivor ratio <sup>5</sup> (percent)	174	64	23	17	15	29	21	33	36
<b>Hospital insurance (HI):</b>									
contribution income <sup>1</sup>	4,881	11,569	23,898	32,981	34,810	36,169	42,466	47,617	54,626
others from general revenue <sup>2</sup>	874	870	671	900	1,015	2,756	752	47	657
net received <sup>3</sup>	159	693	1,149	1,802	2,022	3,285	3,180	3,362	3,519
all payments <sup>4</sup>	5,124	11,215	25,084	30,342	35,831	39,337	43,257	47,580	49,756
its, and of year	3,202	10,517	13,749	18,748	11,814	12,858	11,591	12,049	39,957
survivor ratio <sup>5</sup> (percent)	61	91	54	61	23	32	36	42	79
<b>Supplementary medical insurance (SMI):</b>									
premium income	1,098	1,918	3,011	3,722	3,697	4,236	5,167	5,613	5,722
others from general revenue	1,093	2,648	7,465	11,291	12,284	14,861	17,054	18,250	17,882
net received	12	106	406	362	589	725	969	1,243	1,141
all payments	1,975	4,273	10,635	13,113	15,455	18,106	19,691	22,947	26,239
its, and of year	189	1,444	4,530	5,677	6,230	7,070	8,898	10,924	8,291
survivor ratio <sup>5</sup> (percent)	8	30	40	42	38	37	47	48	30

represents zero. <sup>1</sup> Includes deposits by States and deductions for refund of estimated employee-tax overpayment. <sup>2</sup> In 1983, includes government contributions on deemed wage credits for military service in 1957 and later. Beginning in 1984, includes tax credits on wages paid in 1984 and net earnings from self-employment in 1984-85; and taxation of benefits. <sup>3</sup> Includes payments (1) for costs of noncontributory wage credits for military service performed before 1957, (2) in 1975-82, for all deemed wage credits for military service performed after 1956; and, for OASI only, (3) for costs of benefits to certain red persons who attained age 72 before 1983. <sup>4</sup> Beginning in 1983, includes interest on interfund borrowing, interest on tax transfers, and interest on reimbursement for uncollected checks. Data for 1983 and 1984 reflect interest on deemed credits for military service performed after 1956. <sup>5</sup> Includes payments for vocational rehabilitation services furnished to red persons receiving benefits because of their disabilities. Beginning in 1983, amounts reflect deductions for uncollected checks. <sup>6</sup> Data adjusted to reflect 12 months of benefit payments. <sup>7</sup> Includes \$16 billion borrowed from the DI and HI Funds. Repayments on Jan. 31, 1985, reduced such amounts to \$13.2 billion. <sup>8</sup> Assets at end of year as a percentage of all payments and administrative expenses during the year. <sup>9</sup> Excludes \$5 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to \$2.5 billion. <sup>10</sup> Beginning in 1975, includes premiums from aged ineligible enrolled in HI. <sup>11</sup> Represents Federal Government transfers from general-fund appropriations to meet costs of benefits for persons not insured in benefits under OASDI-HI or railroad retirement and for costs of benefits arising from military wage credits. <sup>12</sup> Excludes \$16 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to \$10.6 billion. <sup>13</sup> Data adjusted to 12 months of premium and general revenue income.

Source: U.S. Social Security Administration, *Annual Report of Board of Trustees, OASI, DI, HI, and SMI Trust Funds*. Non-inflation-adjusted figures in *Social Security Bulletin*, monthly.



## NO. 555. SOCIAL SECURITY (OASDI)—BENEFITS, BY TYPE OF BENEFICIARY: 1970 TO 1986

[A person eligible to receive more than one type of benefit is generally classified or counted only once as a retired-worker beneficiary. OASDI—Old-age, survivors, and disability insurance. See also headnote, table 562; Appendix III; and *Historical Statistics, Colonial Times to 1970*, series H 197-229]

TYPE OF BENEFICIARY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
BENEFITS IN CURRENT-PAYMENT STATUS <sup>1</sup> (end of year)										
Number of benefits (1,000)	28,229	32,088	36,126	35,886	36,006	35,839	36,896	36,479	37,088	37,788
Retired workers <sup>2</sup> (1,000)	13,349	16,568	18,970	19,562	20,195	20,783	21,419	21,906	22,432	22,987
Disabled workers <sup>3</sup> (1,000)	1,493	2,489	2,871	2,859	2,777	2,804	2,589	2,597	2,657	2,727
Wives and husbands <sup>4</sup> (1,000)	2,952	3,320	3,467	3,477	3,458	3,405	3,347	3,355	3,375	3,388
Children (1,000)	4,122	4,972	4,794	4,807	4,430	3,883	3,593	3,406	3,319	3,291
Under age 18	3,315	3,835	3,588	3,423	3,208	2,934	2,812	2,729	2,699	2,681
Disabled children <sup>5</sup>	271	362	438	480	483	472	486	506	528	546
Students <sup>6</sup>	537	774	793	733	761	478	293	173	94	84
Of retired workers	546	643	652	639	633	588	512	477	457	483
Of deceased workers	2,686	2,918	2,711	2,810	2,546	2,321	2,146	2,010	1,917	1,876
Of disabled workers	889	1,411	1,431	1,358	1,262	1,004	936	821	845	885
Widowed mothers <sup>7</sup> (1,000)	523	562	574	562	548	515	490	382	372	369
Parents <sup>8</sup> (1,000)	3,227	3,688	4,321	4,411	4,508	4,595	4,694	4,779	4,863	4,931
Special benefits <sup>9</sup> (1,000)	29	21	16	15	14	12	11	10	10	7
Average monthly benefit, current dollars:	534	224	112	93	78	63	51	40	32	25
Retired workers <sup>2</sup>	116	207	294	341	386	419	441	461	479	486
Retired worker and wife <sup>2</sup>	199	344	489	587	(NA)	702	743	780	814	831
Disabled workers <sup>3</sup>	131	226	322	371	413	441	455	471	484	489
Wives and husbands <sup>4</sup>	59	100	141	164	186	203	217	227	238	241
Children of retired workers	45	77	119	140	161	165	176	186	198	204
Children of deceased workers	82	139	208	240	271	285	296	314	330	337
Children of disabled workers	39	62	95	110	123	126	136	139	142	141
Widowed mothers <sup>7</sup>	87	147	213	246	277	303	309	322	332	336
Widows and widowers, nondisabled <sup>8</sup>	102	164	270	311	346	379	395	415	433	444
Parents <sup>8</sup>	103	172	239	278	310	335	350	364	378	387
Special benefits <sup>9</sup>	45	69	92	106	116	125	129	134	136	140
Average monthly benefit, constant (1986) dollars: <sup>10</sup>										
Retired workers <sup>2</sup>	328	412	425	437	454	474	481	484	484	488
Retired worker and wife <sup>2</sup>	553	885	707	726	(NA)	795	811	820	823	831
Disabled workers <sup>3</sup>	364	450	485	475	466	489	486	485	489	488
Wives and husbands <sup>4</sup>	164	199	204	210	219	230	237	239	239	241
Children of deceased workers	229	277	298	307	319	323	325	330	336	337
Widowed mothers <sup>7</sup>	242	293	308	315	325	343	337	338	336	338
Widows and widowers, nondisabled <sup>8</sup>	264	395	390	398	410	429	432	435	438	444
BENEFITS AWARDED DURING YEAR (1,000)										
Number of benefits	3,722	4,427	4,227	4,216	4,089	3,989	3,799	3,691	3,796	3,899
Retired workers <sup>2</sup>	1,338	1,508	1,597	1,620	1,600	1,625	1,670	1,697	1,690	1,734
Disabled workers <sup>3</sup>	350	592	409	389	345	299	311	382	377	417
Wives and husbands <sup>4</sup>	436	499	471	469	437	430	436	425	440	441
Children	1,091	1,332	1,191	1,174	1,094	922	753	722	714	701
Widowed mothers <sup>7</sup>	112	116	110	108	100	87	82	74	72	71
Widows and widowers <sup>8</sup>	363	377	446	452	481	495	502	500	502	500
Parents <sup>8</sup>	2	1	1	1	1	1	(2)	(2)	(2)	(2)
Special benefits <sup>9</sup>	30	4	2	1	1	1	1	1	1	(2)
BENEFIT PAYMENTS DURING YEAR (mil. dol.)										
Total amount <sup>11</sup>	31,883	66,923	104,263	120,472	140,895	156,137	167,033	175,762	184,196	194,688
Monthly benefits <sup>12</sup>	31,570	66,586	103,923	120,118	140,662	155,934	166,827	175,551	185,966	196,489
Retired workers <sup>2</sup>	18,437	36,078	60,379	70,359	83,614	95,123	103,576	109,957	116,823	123,984
Disabled workers <sup>3</sup>	2,448	8,908	11,333	12,817	14,379	14,810	15,196	15,623	16,463	17,409
Wives and husbands <sup>4</sup>	2,194	4,104	6,135	7,043	8,228	9,191	9,834	10,396	11,051	11,700
Children	3,517	6,643	9,416	10,514	11,784	11,302	10,782	10,651	10,710	10,899
Under age 18	2,701	4,823	6,882	7,374	8,068	8,312	8,330	8,401	8,502	8,687
Disabled children <sup>5</sup>	250	537	892	1,048	1,236	1,387	1,497	1,621	1,790	1,981
Students <sup>6</sup>	568	1,283	1,842	2,093	2,461	1,902	955	629	447	251
Of retired workers	303	634	1,014	1,142	1,321	1,223	1,149	1,135	1,140	1,166
Of deceased workers	2,760	4,868	6,806	7,389	8,307	8,204	7,911	7,775	7,762	7,843
Of disabled workers	454	1,121	1,794	1,952	2,136	1,875	1,728	1,741	1,809	1,980
Widowed mothers <sup>7</sup>	574	1,009	1,406	1,572	1,760	1,861	1,771	1,474	1,474	1,457
Widows and widowers <sup>8</sup>	4,055	9,595	15,071	17,839	20,749	23,488	25,425	27,325	29,330	31,345
Parents <sup>8</sup>	39	50	52	55	58	59	58	53	51	49
Special benefits <sup>9</sup>	306	198	128	119	110	100	85	71	57	47
Lump sum	294	337	340	355	332	203	205	212	207	209

NA Not available. Z Fewer than 500. <sup>1</sup> Benefit payment actually being made at a specified time with no deductions or with deductions amounting to less than a month's benefits, i.e., the benefits actually being received. <sup>2</sup> 62 years and over.

<sup>3</sup> Disabled workers under age 65. <sup>4</sup> Includes wife beneficiaries with entitled children in their care and entitled divorced wives.

<sup>5</sup> 18 years old and over. Disability began before age 18 and, beginning 1973, before age 22. <sup>6</sup> Full-time students aged 18-21 through 1984 and aged 18 and 19 beginning 1985. <sup>7</sup> Includes surviving divorced mothers with entitled children in their care and, beginning June 1975, widowed fathers with entitled children in their care. <sup>8</sup> Includes widows aged 60-81, surviving divorced wives aged 60 and over, disabled widows and widowers aged 60 and over, and beginning Jan. 1973, widowers aged 60-81.

<sup>9</sup> Benefits for persons aged 72 and over not insured under regular or transitional provisions of Social Security Act.

<sup>10</sup> Constant dollar figures are based on the consumer price index published by the U.S. Bureau of Labor Statistics; see table 728.

<sup>11</sup> Represents total disbursements of benefit checks by the U.S. Dept. of the Treasury during the years specified.

<sup>12</sup> Distribution by type estimated.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.



# 6. SOCIAL SECURITY (OASDI)—BENEFICIARIES, BENEFIT PAYMENTS, AND AVERAGE MONTHLY BENEFITS, 1970 TO 1986, AND BY STATES AND OTHER AREAS, 1986

*x* beneficiaries in current payment status and average monthly benefit as of December. OASDI—Old-age, survivors, and disability insurance. See also headnote, table 565, and Appendix III.

SEX, AND STATE OTHER AREA	NUMBER OF BENEFICIARIES (1,000)				BENEFIT PAYMENTS (mil. dol.)				AVERAGE MONTHLY BENEFITS (dol.)		
	Total	Retired workers <sup>1</sup>	Survivors	Dis- abled workers <sup>2</sup>	Total	Retired workers <sup>1</sup>	Survivors <sup>2</sup>	Dis- abled workers <sup>2</sup>	Retired workers <sup>4</sup>	Dis- abled workers	Wid- ows and widow- ers <sup>5</sup>
.....	26,229	17,093	8,470	2,666	31,863	21,078	7,721	3,067	118	131	102
.....	32,086	20,323	7,411	4,353	66,823	42,645	15,864	8,414	207	226	194
.....	36,565	23,309	7,598	4,678	120,472	78,026	27,010	15,437	341	371	311
.....	36,006	23,935	7,615	4,456	140,985	92,568	31,208	17,200	386	413	349
.....	35,839	24,425	7,442	3,973	156,137	104,985	33,815	17,338	419	441	378
.....	36,085	25,021	7,251	3,813	167,033	114,133	35,389	17,530	441	458	389
.....	36,479	25,474	7,182	3,822	175,782	121,023	36,839	17,800	461	471	415
.....	37,068	25,989	7,182	3,907	186,195	128,536	38,824	18,838	479	484	433
U.S. total <sup>6</sup>	37,822	26,490	7,186	3,977	196,882	136,848	40,896	19,847	488	488	444
.....	36,726	25,986	8,364	3,808	183,831	124,773	40,106	19,253	491	489	447
and	2,093	1,857	342	184	11,967	8,327	2,098	832	(NA)	(NA)	(NA)
.....	204	146	38	22	1,013	704	206	104	446	451	421
.....	152	113	24	14	814	602	144	68	490	481	486
.....	85	61	15	8	433	304	87	42	478	478	432
.....	941	702	156	81	5,171	3,775	977	419	492	482	460
.....	178	130	28	18	959	701	186	93	489	481	448
.....	504	384	80	40	2,967	2,241	520	206	536	497	483
.....	6,184	4,484	1,116	678	26,207	26,086	6,937	3,204	(NA)	(NA)	(NA)
.....	2,802	2,035	493	274	16,185	11,808	3,042	1,537	524	509	487
.....	1,189	877	204	107	8,088	5,081	1,311	608	533	513	478
.....	2,183	1,552	416	194	12,024	8,379	2,584	1,081	507	508	483
.....	6,825	4,671	1,288	688	36,213	24,817	7,848	3,588	(NA)	(NA)	(NA)
.....	1,724	1,182	353	188	9,365	6,203	2,180	862	502	510	480
.....	888	606	185	88	4,806	3,284	1,022	480	510	508	459
.....	1,701	1,215	329	157	9,825	6,794	2,028	803	520	509	467
.....	1,426	979	283	164	8,039	5,388	1,753	898	521	534	488
.....	805	588	136	78	4,378	3,138	863	377	502	491	459
.....	2,913	2,124	648	344	15,186	10,788	3,181	1,286	(NA)	(NA)	(NA)
.....	639	478	116	47	3,311	2,400	678	233	473	462	436
.....	511	378	96	39	2,726	1,952	577	197	482	481	447
.....	877	618	167	92	4,535	3,125	951	459	475	490	432
.....	106	78	22	8	529	374	121	34	456	452	415
.....	124	80	24	10	598	420	132	44	450	448	412
.....	281	194	47	19	1,362	967	263	92	483	474	444
.....	394	291	73	30	2,107	1,522	439	145	498	472	451
.....	6,864	4,802	1,226	737	32,919	22,821	8,889	3,639	(NA)	(NA)	(NA)
.....	97	70	17	10	530	371	105	54	509	486	455
.....	575	409	115	51	3,078	2,130	688	282	488	501	447
.....	81	57	17	7	381	268	78	37	422	429	375
.....	778	528	158	92	3,802	2,500	847	455	456	489	402
.....	380	217	65	58	1,827	1,099	476	282	483	514	413
.....	979	683	186	121	4,662	3,104	975	583	448	450	375
.....	497	321	101	75	2,341	1,498	507	338	450	456	371
.....	818	521	175	121	3,873	2,422	887	584	445	456	381
.....	2,381	1,816	353	202	12,425	9,263	2,118	1,044	487	498	449
.....	2,488	1,886	380	382	11,578	7,177	2,782	1,648	(NA)	(NA)	(NA)
.....	617	385	137	95	2,885	1,746	710	439	443	479	386
.....	777	512	163	103	3,680	2,374	833	473	449	457	386
.....	688	422	153	83	3,129	1,928	772	428	445	480	378
.....	434	286	97	71	1,876	1,129	447	300	413	439	346
.....	3,578	2,372	806	399	17,196	11,186	4,243	1,787	(NA)	(NA)	(NA)
.....	449	296	90	81	2,056	1,328	444	284	429	457	371
.....	810	362	155	92	2,853	1,856	793	404	453	482	386
.....	508	354	105	48	2,500	1,897	571	232	464	470	412
.....	2,004	1,356	454	192	9,787	6,485	2,435	867	470	472	415
.....	1,713	1,233	388	171	8,748	6,188	1,738	861	(NA)	(NA)	(NA)
.....	129	81	25	13	680	456	140	64	476	494	443
.....	147	109	25	13	744	538	144	84	476	495	437
.....	58	41	11	5	291	205	84	22	487	486	443
.....	374	285	71	38	1,800	1,309	408	185	477	482	436
.....	182	129	40	23	914	604	203	107	461	481	389
.....	516	379	85	51	2,679	1,937	473	288	494	520	449
.....	189	123	31	14	884	636	182	86	501	485	455
.....	130	98	21	13	676	486	116	74	491	514	453
.....	4,729	3,477	796	456	25,243	16,147	4,862	2,444	(NA)	(NA)	(NA)
.....	854	487	107	80	3,589	2,806	651	313	507	503	460
.....	458	345	74	39	2,457	1,804	439	214	487	510	454
.....	3,456	2,524	589	343	18,411	13,144	3,416	1,849	497	497	452
.....	27	17	7	3	139	88	36	17	502	507	397
.....	134	104	19	10	687	508	108	51	486	472	414
.....	549	297	102	150	1,715	856	348	511	389	393	273
.....	4	2	2	1	12	7	4	1	332	423	272
.....	3	1	1	1	7	3	3	1	294	357	211
.....	8	5	2	1	38	25	9	4	434	416	343
.....	331	219	84	18	1,289	785	427	77	385	484	358

available. <sup>1</sup> Includes special benefits; see footnote 8, table 565. <sup>2</sup> Includes benefits payable to dependents. <sup>3</sup> Includes lump-sum payments to survivors of deceased workers. <sup>4</sup> Excludes persons with special benefits. <sup>5</sup> Nonresident. <sup>6</sup> Data for beneficiaries preliminary.

U.S. Social Security Administration, Quarterly in Social Security Bulletin.

No. 567. INDIVIDUAL RETIREMENT ACCOUNT (IRA), KEOGH ACCOUNT AND PENSION PLAN COVERAGE OF EMPLOYED PERSONS: 1983

[In thousands, except percent. As of May. Covers only persons employed for pay. Data based on supplement to Current Population Survey (see text, section 1) conducted for U.S. Dept. of Health and Human Services and Employee Benefit Research Institute]

SEX, AGE, AND CLASS OF WORKER	Em- ployed per- sons	IRA AND KEOGH ACCOUNT				Nonagri- cultural wage and salary workers	PENSION PLAN COVERAGE			
		Persons with an IRA <sup>1</sup>		Per- sons with spousal IRA <sup>1</sup>	Per- sons with Keogh ac- count <sup>2</sup>		Persons covered		Persons partic- ipating in plan	Per- sons with vest- ing <sup>3</sup>
		Num- ber	Per- cent of em- ployed				Num- ber	Per- cent of wage and salary work- ers		
Total .....	88,984	10,713	16.9	1,954	436	88,214	40,889	58.1	40,889	30,708
Male .....	56,028	10,224	18.3	1,612	392	46,199	26,515	59.2	24,808	17,824
Female .....	42,936	6,489	15.1	142	( <sup>4</sup> )	40,015	21,015	52.5	15,891	10,884
Less than 25 years old .....	19,122	445	2.3	( <sup>4</sup> )	( <sup>4</sup> )	17,991	6,376	35.4	3,225	1,536
25-34 years old .....	26,773	3,108	10.8	113	( <sup>4</sup> )	26,020	15,239	58.6	12,390	7,672
35-44 years old .....	21,454	3,997	18.5	279	92	18,971	12,232	64.5	10,920	8,157
45-54 years old .....	15,493	4,532	29.3	580	133	13,580	8,737	64.3	7,990	6,296
55-59 years old .....	6,897	2,667	39.0	518	99	6,056	4,071	67.2	3,705	3,009
60-64 years old .....	4,321	1,482	34.3	336	( <sup>4</sup> )	3,811	2,184	60.5	2,003	1,848
65 years old and over .....	2,870	491	17.1	124	( <sup>4</sup> )	1,971	691	35.1	466	390
Private .....	74,071	12,040	16.3	1,475	(x)	72,465	36,456	50.3	29,167	18,589
Federal government .....	3,235	778	24.1	( <sup>4</sup> )	(x)	3,235	2,809	86.8	2,564	2,325
State and local government .....	12,513	2,245	17.9	185	(x)	12,513	10,283	82.0	8,966	7,783
Self-employed .....	9,144	1,648	18.0	229	439	(x)	(x)	(x)	(x)	(x)

X Not applicable. <sup>1</sup> Figures represent IRA participation in 1982. <sup>2</sup> A retirement plan similar to IRAs which is available to self-employed persons and unincorporated partnerships only. <sup>3</sup> Workers entitled to receive retirement benefits and those eligible for lump sum distributions. <sup>4</sup> Figure does not meet standards of reliability.

Source: Employee Benefit Research Institute, Washington, DC, *Individual Retirement Accounts: Characteristics and Policy Implications*, " Issue Brief #32, 1984, and *New Survey Findings on Pension Coverage and Benefit Entitlement*, " Issue Brief #33, 1984, and unpublished data.

No. 563. PENSION PLAN COVERAGE OF CIVILIAN WORKERS BY WAGE OR SALARY INCOME: 1985

[Covers civilian workers as of March of following year who had earnings in year shown. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX, AGE, RACE AND HISPANIC ORIGIN	NUMBER WITH COVERAGE (1,000)					PERCENT OF TOTAL CIVILIAN WORKERS				
	Total <sup>1</sup>	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000 and over	Total <sup>1</sup>	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000 and over
Total <sup>2</sup> .....	48,083	3,930	7,147	8,491	27,828	42.8	21.9	40.9	59.4	73.4
Male <sup>2</sup> .....	20,083	1,190	2,566	4,046	20,787	47.5	16.8	33.0	54.6	72.8
15-24 years old .....	1,881	320	404	488	488	14.0	12.3	22.1	47.0	53.7
25-34 years old .....	8,346	322	980	1,438	5,582	46.9	15.8	30.9	49.7	65.6
35-44 years old .....	8,330	174	465	926	6,708	63.4	18.9	37.3	59.4	78.1
45-54 years old .....	10,084	297	691	1,132	7,778	66.4	26.3	46.2	62.9	78.8
Female <sup>2</sup> .....	19,876	2,740	4,639	4,445	7,037	37.4	25.3	46.9	64.6	75.1
15-24 years old .....	1,729	442	629	304	157	13.9	17.2	35.5	50.3	49.7
25-34 years old .....	6,156	667	1,463	1,563	2,179	40.9	23.2	45.9	62.0	65.6
35-44 years old .....	5,415	612	1,083	1,179	2,333	46.7	26.7	48.8	66.2	79.6
45-54 years old .....	6,254	920	1,400	1,358	2,304	49.3	34.0	54.5	71.8	82.0
White .....	42,359	3,221	5,856	7,042	24,954	42.8	21.5	39.6	57.8	72.8
Black .....	5,296	606	1,101	1,235	2,113	43.2	25.4	50.0	70.8	82.2
Hispanic <sup>4</sup> .....	2,393	396	453	494	1,047	31.3	16.8	32.5	50.0	67.1

<sup>1</sup> Includes workers with income under \$5,000, not shown separately. <sup>2</sup> Includes other races, not shown separately.  
<sup>3</sup> Includes persons 65 years old and over, not shown separately. <sup>4</sup> Hispanic persons may be of any race.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155.

## NO. 560. ASSETS OF PRIVATE AND PUBLIC PENSION FUNDS, BY TYPE OF FUND: 1970 TO 1986

[In billions of dollars. As of end of year. Except for corporate equities, represents book value. Excludes Social Security trust funds, see table 564]

TYPE OF PENSION FUND	1970	1975	1978	1980	1981	1983	1982	1984	1985	1986
<b>Total, all types .....</b>	<b>238.2</b>	<b>431.7</b>	<b>747.4</b>	<b>913.9</b>	<b>987.8</b>	<b>1,182.4</b>	<b>1,358.3</b>	<b>1,477.2</b>	<b>1,738.3</b>	<b>1,957.4</b>
<b>Private funds .....</b>	<b>151.4</b>	<b>265.0</b>	<b>510.0</b>	<b>639.4</b>	<b>677.3</b>	<b>792.0</b>	<b>935.0</b>	<b>990.7</b>	<b>1,157.4</b>	<b>1,295.1</b>
Insured.....	41.0	72.3	143.5	172.0	199.8	242.9	286.4	331.6	400.0	468.8
Noninsured <sup>1</sup> .....	110.4	212.6	366.5	467.4	477.6	549.1	648.7	659.1	757.4	826.3
Corporate equities.....	67.1	108.0	166.5	231.3	210.0	258.1	311.3	297.2	363.0	436.6
U.S. Government securities....	3.0	19.6	40.5	53.7	73.0	79.4	92.4	99.7	106.5	112.2
Corporate bonds <sup>2</sup> .....	29.4	42.4	67.6	79.7	85.1	91.6	103.3	113.7	119.4	122.2
Other.....	10.9	42.6	91.9	102.7	109.5	120.0	141.7	146.5	148.5	155.2
<b>Public funds .....</b>	<b>87.8</b>	<b>146.7</b>	<b>237.4</b>	<b>274.5</b>	<b>310.4</b>	<b>390.5</b>	<b>423.2</b>	<b>486.5</b>	<b>580.8</b>	<b>672.3</b>
State and local government.....	60.3	104.8	169.7	198.1	224.2	262.5	311.2	356.8	432.1	502.7
Corporate bonds <sup>2</sup> .....	35.1	61.8	85.0	94.5	103.8	107.3	106.6	118.1	123.3	131.4
Corporate equities.....	8.0	23.2	36.8	42.1	49.2	55.2	75.2	82.5	103.3	114.5
U.S. Government securities....	6.6	7.8	30.1	40.0	51.8	71.2	86.2	111.2	128.7	149.7
Other.....	10.6	12.0	17.8	21.4	19.4	26.8	41.2	44.8	76.8	107.1
U.S. Government .....	27.5	41.9	67.7	76.4	86.2	97.9	112.0	130.0	148.8	169.6
Civil service <sup>3</sup> .....	23.0	36.5	64.6	73.9	84.8	97.4	111.4	128.9	144.6	163.4
Railroad retirement .....	4.5	3.4	3.1	2.5	1.4	.5	.6	3.1	4.2	6.2

<sup>1</sup> Covers all pension funds of corporations, nonprofit organizations, unions, and multi-employer groups. Also includes deferred profit-sharing plans; excludes health, welfare, and bonus plans. <sup>2</sup> Includes foreign bonds. <sup>3</sup> Includes U.S. Foreign Service Retirement and Disability Trust Fund.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-83; Annual Statistical Digest*, and unpublished data.

## NO. 570. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—BENEFICIARIES AND BENEFITS: 1970 TO 1985

[Number of beneficiaries as of and of year]

YEAR	Unit	Total	LEVEL OF GOVERNMENT				TYPE OF BENEFIT			
			Federal			State and local	Age and service	Disability	Survivor	
			Total <sup>1</sup>	Civil service	Armed Forces				Monthly	Lump-sum
<b>Beneficiaries:</b>										
1970 .....	1,000.....	3,050	1,759	959	773	1,291	2,204	419	427	(x)
1975 .....	1,000.....	4,426	2,480	1,372	1,073	1,948	3,243	549	636	(x)
1980 .....	1,000.....	5,689	3,052	1,675	1,330	2,607	4,200	708	751	(x)
1983 .....	1,000.....	6,285	3,390	1,913	1,427	2,895	4,657	766	842	(x)
1984 .....	1,000.....	6,803	3,419	1,910	1,456	3,274	5,127	730	636	(x)
1985 .....	1,000.....	6,903	3,512	1,972	1,487	3,392	5,268	751	884	(x)
<b>Benefits:</b>										
1970 .....	Mill. dol.....	9,355	6,075	2,620	3,133	3,280	7,210	1,312	645	189
1975 .....	Mill. dol.....	21,617	14,592	7,532	6,606	7,025	17,200	2,707	1,439	271
1980 .....	Mill. dol.....	41,080	26,042	15,065	12,478	13,018	32,416	5,371	2,890	377
1983 .....	Mill. dol.....	55,501	37,435	20,627	18,142	18,068	43,581	7,351	4,079	491
1984 .....	Mill. dol.....	58,624	38,824	21,509	16,607	19,880	45,854	7,876	4,556	536
1985 .....	Mill. dol.....	63,378	40,877	22,725	17,416	22,501	50,626	7,507	4,702	543

X Not applicable. <sup>1</sup> Includes other Federal systems, not shown separately.

## NO. 571. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—AVERAGE ANNUAL BENEFITS PER ANNUITANT: 1970 TO 1985

[In dollars]

YEAR	ALL GOVERNMENTS				FEDERAL				STATE AND LOCAL			
	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor
<b>CURRENT DOLLARS</b>												
1970 .....	3,005	3,271	3,136	1,512	3,440	4,065	3,174	1,448	2,413	2,452	2,985	1,667
1975 .....	4,821	5,304	4,931	2,263	5,875	6,673	5,254	2,558	3,478	3,600	3,867	1,719
1980 .....	7,190	7,719	7,598	3,855	9,181	10,529	8,324	4,481	4,859	5,029	5,821	2,624
1983 .....	8,680	9,358	9,352	4,842	11,030	12,801	9,933	5,325	6,084	6,127	8,077	3,671
1984 .....	8,759	9,944	10,515	5,450	11,355	12,820	10,844	6,003	6,048	5,744	9,767	4,091
1985 .....	9,181	9,610	9,998	5,319	12,603	13,271	11,094	5,905	5,919	6,837	7,491	3,826
<b>CONSTANT (1986) DOLLARS<sup>1</sup></b>												
1970 .....	7,838	8,532	8,180	3,944	8,973	10,803	8,279	3,772	6,294	6,398	7,734	4,348
1975 .....	9,112	10,026	9,286	4,278	11,105	12,991	9,931	4,836	6,574	6,975	7,809	3,249
1980 .....	9,291	9,974	9,805	4,961	11,863	13,605	10,766	5,780	6,279	6,496	7,522	3,391
1983 .....	8,330	10,059	10,053	5,205	11,859	13,780	10,677	5,723	6,539	6,586	8,682	3,946
1984 .....	9,067	9,258	10,885	5,642	11,754	13,271	11,225	6,214	6,261	5,945	10,110	4,235
1985 .....	9,161	9,610	8,988	5,319	12,803	13,271	11,094	5,905	5,919	6,837	7,491	3,826

<sup>1</sup> Constant dollar figures are based on implicit price deflators for personal consumption expenditures revised by U.S. Bureau of Economic Analysis, 1986.

Source of tables 570 and 571: U.S. Social Security Administration, *Social Security Bulletin*, April 1986; and unpublished data.

NO. 572. FEDERAL CIVIL SERVICE RETIREMENT: 1970 TO 1986

[As of end of fiscal year or for fiscal year ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 262-270]

ITEM	Unit	1970	1975	1985	1981	1982	1985	1984	1988	1990
Annuitants, total .....	1,000 .....	956	1,372	1,675	1,779	1,626	1,870	1,910	1,937	2,017
Age and service .....	1,000 .....	477	732	905	973	1,010	1,045	1,082	1,467	1,519
Disability .....	1,000 .....	185	258	343	348	348	343	338		
Survivors .....	1,000 .....	298	362	427	456	470	482	490	470	498
Receipts, total <sup>1</sup> .....	Mil. dol .....	4,883	11,377	24,389	28,529	31,858	34,711	36,841	40,194	42,600
Employee contributions .....	Mil. dol .....	1,740	2,554	3,686	4,006	4,171	4,399	4,809	4,597	4,549
Federal government contributions .....	Mil. dol .....	1,952	6,707	15,562	18,193	19,443	20,615	20,948	22,439	23,072
Disbursements, total <sup>2</sup> .....	Mil. dol .....	2,752	7,207	14,977	17,779	19,656	20,869	21,981	23,091	24,023
Age and service annuitants <sup>3</sup> .....	Mil. dol .....	2,129	6,052	12,639	15,010	16,408	17,602	18,403	19,319	20,063
Survivors .....	Mil. dol .....	389	905	1,912	2,265	2,533	2,783	2,943	3,133	3,293
Average monthly benefit:										
Age and service .....	Dollars .....	362	620	992	1,036	1,117	1,150	1,149	1,098	1,100
Disability .....	Dollars .....	221	408	723	758	820	851	851		
Survivors .....	Dollars .....	116	209	392	419	463	466	501	556	551
Cash and security holdings .....	Bil. dol .....	22.4	38.4	73.7	84.4	86.6	110.5	125.3	140.9	159.5

<sup>1</sup> Includes interest on investments.    <sup>2</sup> Includes refunds, death claims, and administration.    <sup>3</sup> Includes disability annuitants.  
Source: U.S. Office of Personnel Management, *Compensation Report*, annual.

NO. 573. STATE AND LOCAL GOVERNMENT RETIREMENT SYSTEMS—FINANCES: 1970 TO 1986

[In millions of dollars. For fiscal years closed during the 12 months ending June 30]

YEAR AND LEVEL OF GOVERNMENT	RECEIPTS					BENEFITS AND WITHDRAWALS			Cash and security holdings
	Total	Employee contributions	Government contributions		Earnings on investments	Total	Benefits	Withdrawals	
			State	Local					
1970: All systems.....	9,648	2,788	2,048	2,554	2,460	3,636	3,037	601	54,918
State-administered .....	7,164	2,149	1,978	1,237	1,821	2,382	1,913	489	39,986
Locally administered .....	2,664	639	67	1,318	639	1,256	1,124	132	14,952
1975: All systems.....	18,898	4,488	4,093	5,023	5,294	7,490	6,540	950	98,084
State-administered .....	14,208	3,552	3,974	2,623	4,089	5,207	4,430	727	74,703
Locally administered .....	4,690	936	119	2,400	1,236	2,283	2,080	223	23,381
1980: All systems.....	37,313	6,466	7,581	9,951	13,315	14,006	12,207	1,801	185,226
State-administered .....	26,603	5,265	7,399	5,611	10,308	10,257	8,809	1,448	144,682
Locally administered .....	8,710	1,180	181	4,340	3,006	3,752	3,399	353	40,544
1985: All systems.....	71,731	9,479	12,227	15,172	34,652	24,184	21,999	2,168	373,932
State-administered .....	58,313	7,913	11,976	8,944	27,480	17,987	16,189	1,786	296,892
Locally administered .....	15,418	1,567	251	6,226	7,372	6,177	5,610	367	77,240
1986: All systems.....	88,149	10,566	12,448	16,152	46,985	26,521	24,442	2,079	437,229
State-administered .....	68,982	8,939	12,162	9,531	38,350	19,678	18,167	1,691	347,381
Locally administered .....	19,167	1,647	284	6,622	10,615	6,644	6,255	389	89,888

Source: U.S. Bureau of the Census, *Finances of Employee-Retirement Systems of State and Local Governments*, series GF, No. 2, annual.

NO. 574. PROTECTION AGAINST SHORT-TERM SICKNESS INCOME LOSS: 1970 TO 1984

[In millions of dollars, except percent. "Short-term sickness" refers to short-term or temporary nonwork-connected disability (lasting not more than 6 months) and the first 6 months of long-term disability. See also *Historical Statistics, Colonial Times to 1970*, series H 115-124]

ITEM	1970	1975	1978	1978	1985	1981	1982	1982	1984
Short-term sickness: income loss .....	16,757	23,595	32,811	36,072	38,529	41,278	42,558	45,615	52,776
Total protection provided <sup>1</sup> .....	6,659	9,002	11,751	13,371	14,426	15,113	16,289	16,411	17,988
Protection as percent of loss .....	35.1	36.2	35.8	37.1	37.4	36.6	38.2	36.0	33.3
Benefits provided by protection:									
Individual insurance .....	694	973	1,210	1,322	1,280	1,291	1,595	1,152	1,410
Group benefits to workers in private employment .....	2,952	4,328	5,782	6,987	7,633	8,011	8,499	8,614	8,937
Private cash insurance <sup>2</sup> .....	1,476	2,011	2,403	3,216	3,271	2,959	2,931	2,708	2,807
Publicly operated cash sickness funds <sup>3</sup> .....	411	536	609	699	770	953	987	1,006	988
Sick leave .....	1,066	1,779	2,770	3,072	3,593	4,099	4,581	4,809	5,482
Sick leave for government employees .....	2,242	3,542	4,579	4,892	5,338	5,641	6,026	6,490	7,221

<sup>1</sup> Provided by individual insurance, group benefits to workers in private employment, and sick leave for government employees. Data for 1975-1983 include benefits for the sixth month of disability payable under old-age, survivors, disability, and health insurance program, not shown separately.    <sup>2</sup> Group accident and sickness insurance and self-insurance privately written either on a voluntary basis or in compliance with State temporary disability insurance laws in CA, HI, NJ, and NY. Includes a small but undetermined amount of group disability insurance benefits paid to government workers and to self-employed persons through farm, trade, or professional associations.    <sup>3</sup> Includes State-operated plans in RI, CA, and NJ; State Insurance Fund and special fund for disabled unemployed in New York; and provisions of Railroad Unemployment Insurance Act.  
Source: U.S. Social Security Administration, *Social Security Bulletin*, May 1986 and unpublished data.

## NO. 575. MEDICARE PROGRAM—ENROLLMENT AND PAYMENTS: 1970 TO 1986

[Enrollment as of July 1; payments for calendar year. Benefit payments represent trust fund outlays. Includes Puerto Rico, outlying areas, and enrollees in foreign countries. See text, section 12 for explanation of coverage]

TYPE OF INSURANCE	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980, prel.
<b>HOSPITAL AND/OR MEDICAL INSURANCE</b>												
Enrollment, total	1,000	20,461	24,959	27,184	27,860	28,478	29,010	29,494	30,088	30,456	31,089	31,706
Benefit payments	ML dol	7,089	15,508	24,834	29,331	35,899	43,455	51,088	57,443	62,818	70,527	75,987
<b>HOSPITAL INSURANCE</b>												
Enrollment, total	1,000	20,361	24,640	26,777	27,459	28,067	28,580	29,089	29,587	29,986	30,588	31,283
Persons 65 and over	1,000	20,361	22,472	23,984	24,548	25,104	25,591	26,115	26,670	27,112	27,663	28,222
Disabled persons <sup>1</sup>	1,000	(X)	2,168	2,793	2,911	2,963	2,980	2,954	2,918	2,884	2,907	2,942
Benefit payments	ML dol	5,124	11,315	17,882	20,623	25,064	30,342	35,631	38,337	43,257	47,580	49,758
<b>MEDICAL INSURANCE</b>												
Enrollment, total	1,000	19,584	23,904	26,074	28,757	27,400	27,941	28,412	28,975	29,415	29,989	30,823
Persons 65 and over	1,000	19,584	21,945	23,531	24,088	24,880	25,162	25,707	26,292	26,764	27,311	27,825
Disabled persons <sup>1</sup>	1,000	(X)	1,959	2,543	2,669	2,719	2,758	2,706	2,682	2,651	2,678	2,808
Benefit payments	ML dol	1,975	4,273	7,252	8,706	10,635	13,113	15,455	18,106	19,681	22,947	26,230

X Not applicable. <sup>1</sup> Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) only.

Source: U.S. Health Care Financing Administration. Published in U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

## NO. 570. MEDICARE—PERSONS SERVED AND REIMBURSEMENTS: 1975 TO 1984

[Persons served are enrollees who use covered services, incurred expenses greater than the applicable deductible amounts and for whom Medicare paid benefits. Reimbursements are amounts paid to providers for covered services. Excluded are retroactive adjustments resulting from end of fiscal year cost settlements and certain lump-sum interim payments. Also excluded are beneficiary (or third party payor) liabilities for applicable deductibles, coinsurance amounts, and charges for non-covered services. Includes data for enrollees living in outlying territories and foreign countries]

TYPE OF COVERAGE AND SERVICE	Unit	PERSONS 65 YEARS OLD AND OVER				DISABLED PERSONS <sup>2</sup>			
		1975	1980	1983	1984	1975	1980	1983	1984
Persons served, total <sup>1</sup>	1,000	12,032	16,371	17,897	18,904	975	1,222	1,236	1,446
Hospital insurance <sup>2</sup>	1,000	4,983	6,024	6,891	6,486	475	728	752	700
Inpatient hospital	1,000	4,913	5,951	6,441	6,185	472	721	729	674
Skilled-nursing services	1,000	280	248	257	290	8	9	8	9
Home health services <sup>3</sup>	1,000	329	675	1,228	1,388	22	51	90	111
Supplementary medical insurance <sup>2</sup>	1,000	11,782	16,099	17,675	18,708	824	1,723	1,787	1,812
Physicians' and other medical services	1,000	11,306	15,627	17,209	18,128	885	1,631	1,714	1,721
Outpatient services	1,000	3,786	8,629	8,085	5,743	389	909	1,024	1,029
Home health services <sup>3</sup>	1,000	181	302	20	24	13	25	(NA)	20
Persons served per 1,000 enrollees, total <sup>1</sup>	Rate	528	638	660	695	482	594	628	648
Hospital insurance <sup>2</sup>	Rate	221	240	251	240	219	246	258	243
Inpatient hospital	Rate	218	237	242	229	216	243	250	234
Skilled-nursing services	Rate	12	10	10	11	4	3	3	3
Home health services <sup>3</sup>	Rate	15	27	66	52	10	17	31	35
Supplementary medical insurance <sup>2</sup>	Rate	536	652	672	699	471	634	670	664
Physicians' and other medical services	Rate	519	633	656	677	442	600	639	648
Outpatient services	Rate	172	269	307	327	204	334	382	368
Home health services <sup>3</sup>	Rate	7	12	1	1	7	9	(NA)	8
Reimbursements, total	ML dol	12,888	23,134	23,111	(NA)	1,809	4,478	6,711	(NA)
Hospital insurance	ML dol	8,209	20,353	32,141	(NA)	967	2,785	4,173	(NA)
Inpatient hospital	ML dol	8,840	19,583	30,479	(NA)	968	2,714	4,050	(NA)
Skilled-nursing services	ML dol	233	331	413	(NA)	9	13	15	(NA)
Home health services <sup>3</sup>	ML dol	136	440	1,258	(NA)	10	36	108	(NA)
Supplementary medical insurance	ML dol	3,481	8,781	14,586	(NA)	522	1,713	2,538	(NA)
Physicians' and other medical services	ML dol	3,050	7,361	12,105	(NA)	285	997	1,555	(NA)
Outpatient services	ML dol	374	1,261	2,460	(NA)	221	701	983	(NA)
Home health services <sup>3</sup>	ML dol	58	158	22	(NA)	5	16	(NA)	(NA)
Reimbursements, per person served, total	Dollars	1,066	1,781	2,811	(NA)	1,548	3,668	5,468	(NA)
Hospital insurance	Dollars	1,855	3,379	4,804	(NA)	2,077	3,796	5,550	(NA)
Inpatient hospital	Dollars	1,799	3,291	4,730	(NA)	2,051	3,765	5,568	(NA)
Skilled-nursing services	Dollars	696	1,338	1,612	(NA)	1,049	1,571	1,856	(NA)
Home health services <sup>3</sup>	Dollars	413	652	1,025	(NA)	478	733	1,200	(NA)
Supplementary medical insurance	Dollars	296	545	825	(NA)	565	984	1,412	(NA)
Physicians' and other medical services	Dollars	268	471	703	(NA)	341	611	908	(NA)
Outpatient services	Dollars	99	190	306	(NA)	554	771	980	(NA)
Home health services <sup>3</sup>	Dollars	347	526	1,086	(NA)	420	619	(NA)	(NA)

NA Not available. <sup>1</sup> Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) only.

<sup>2</sup> Persons are counted once for each type of covered service used, but are not double counted in totals. <sup>3</sup> Beginning 1982, a change in legislation resulted in virtually all home health services being paid under hospital insurance.

Source: U.S. Health Care Financing Administration, *Medicare Program Statistics*, annual; and unpublished data.

## No. 577. MEDICARE—HOSPITAL UTILIZATION AND HOSPITAL AND PHYSICIAN CHARGES: 1970 TO 1985

[Data reflect data expense was incurred based on bills submitted for payment and recorded in Health Care Financing Administration central records through March 1987. Includes Puerto Rico, Virgin Islands, Guam, other outlying areas and enrollees in foreign countries.]

ITEM	Unit	PERSONS 65 YEARS OLD AND OVER					DISABLED PERSONS <sup>2</sup>			
		1970	1975	1980	1984 <sup>1</sup>	1985 <sup>1</sup>	1975	1982	1984 <sup>2</sup>	1985 <sup>1</sup>
<b>Hospital inpatient care:</b>										
Admissions	1,000	8,141	7,407	8,256	10,335	9,740	822	1,271	1,384	1,313
Per 1,000 enrollees <sup>3</sup>	Rate	302	330	369	361	362	379	429	473	462
Covered days of care	Millions	84	84	96	84	90	9	13	13	13
Per 1,000 enrollees <sup>3</sup>	Rate	3,902	3,731	3,895	3,490	3,280	4,198	4,548	4,430	4,318
Per admission	Days	12.9	11.3	10.5	9.1	9.3	11.1	10.8	9.4	9.5
<b>Hospital covered charges</b>	Mill. dol.	5,998	12,088	26,815	51,780	55,592	1,371	4,067	7,029	7,029
Per covered day	Dollars	75	144	293	549	618	151	303	549	549
Percent of covered charges reimbursed	Percent	78.0	75.9	70.0	67.0	66.1	73.6	66.6	66.5	66.2
<b>Physician allowed charges</b>	Mill. dol.	2,310	4,023	8,011	15,801	17,504	367	1,112	1,708	1,792
Percent reimbursed	Percent	71.9	74.3	76.0	78.1	78.9	78.1	78.7	78.4	78.9

<sup>1</sup> Estimated to adjust for bill processing lag. <sup>2</sup> Disabled persons under age 65 and persons enrolled solely because of end-stage renal disease (ESRD). <sup>3</sup> Based on Hospital Insurance (HI) enrollment as of July 1.

Source: U.S. Health Care Financing Administration, unpublished data.

## No. 578. MEDICARE AND MEDICAID—SUMMARY, BY STATE AND OTHER AREAS: 1980 AND 1986

[1986 data are preliminary estimates. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	MEDICARE		MEDICAID <sup>2</sup>			DIVISION AND STATE OR OTHER AREA	MEDICARE		MEDICAID <sup>2</sup>		
	Enroll- ment, <sup>1</sup> 1980 (1,000)	Payments <sup>3</sup> (mil. dol.)	Recipi- ents, <sup>4</sup> 1980 (1,000)	Payments (mil. dol.)			Enroll- ment, <sup>1</sup> 1980 (1,000)	Payments <sup>3</sup> (mil. dol.)	Recipi- ents, <sup>4</sup> 1980 (1,000)	Payments (mil. dol.)	
				1980	1986					1980	1986
<b>Total</b>	<b>31,788</b>	<b>35,899</b>		<b>22,337</b>	<b>23,311</b>	<b>40,805</b>					
<b>U.S.<sup>5</sup></b>	<b>31,107</b>	<b>35,581</b>	<b>75,734</b>	<b>20,861</b>	<b>22,310</b>	<b>40,845</b>					
<b>Regions:</b>											
Northeast	7,199	9,371	16,635	5,056	8,138	14,639					
Midwest	7,998	9,507	19,388	5,213	5,837	9,886					
South	10,451	10,412	23,440	5,741	5,557	9,708					
West	5,438	6,529	14,256	4,561	3,878	6,432					
<b>N. Eng.</b>	<b>1,812</b>	<b>2,238</b>	<b>4,442</b>	<b>1,063</b>	<b>1,781</b>	<b>3,114</b>					
ME	173	177	335	125	131	283					
NH	127	120	228	35	72	133					
VT	71	68	122	50	59	95					
MA	843	1,179	2,328	529	1,009	1,985					
RI	153	189	363	97	180	263					
CT	445	505	1,086	217	350	675					
<b>Mid. Atl.</b>	<b>5,387</b>	<b>6,633</b>	<b>14,193</b>	<b>4,093</b>	<b>6,367</b>	<b>11,525</b>					
NY	2,478	3,409	6,506	2,323	4,543	8,251					
NJ	1,047	1,198	2,707	581	756	1,281					
PA	1,862	2,226	4,980	1,089	1,058	1,993					
<b>E. No. Cent.</b>	<b>5,456</b>	<b>6,720</b>	<b>13,678</b>	<b>3,977</b>	<b>4,114</b>	<b>7,241</b>					
OH	1,439	1,606	3,213	1,086	809	2,060					
IN	711	719	1,985	298	354	826					
IL	1,473	2,046	3,951	1,084	1,182	1,675					
MI	1,155	1,620	3,040	1,120	1,072	1,768					
WI	578	729	1,487	409	587	920					
<b>W. No. Cent.</b>	<b>2,542</b>	<b>2,787</b>	<b>5,711</b>	<b>1,238</b>	<b>1,523</b>	<b>2,825</b>					
MN	581	594	1,179	344	590	1,044					
IA	445	453	826	222	230	374					
MO	753	888	2,002	360	295	556					
ND	95	109	225	40	47	121					
SD	106	96	197	37	55	103					
NE	232	234	432	102	109	188					
KS	350	413	851	131	197	239					
<b>So. Atl.</b>	<b>5,483</b>	<b>5,665</b>	<b>12,778</b>	<b>2,888</b>	<b>2,511</b>	<b>4,722</b>					
DE	78	87	187	39	45	79					
MD	481	622	1,321	323	322	680					
<b>So. Atl.—Con.</b>											
DC	80	149	263	89	168	201					
VA	648	614	1,984	314	359	586					
WV	296	280	647	211	104	201					
NC	791	642	1,383	378	401	751					
SC	368	302	689	262	258	394					
GA	687	801	1,380	484	462	818					
FL	2,044	2,276	5,532	568	382	1,009					
<b>E. So. Cent.</b>	<b>2,042</b>	<b>1,878</b>	<b>4,101</b>	<b>1,285</b>	<b>1,188</b>	<b>1,888</b>					
KY	504	437	930	415	298	537					
TN	642	594	1,312	395	360	718					
AL	545	523	1,139	318	293	410					
MS	351	324	720	259	211	270					
<b>W. So. Cent.</b>	<b>2,828</b>	<b>2,879</b>	<b>6,563</b>	<b>1,858</b>	<b>1,889</b>	<b>3,089</b>					
AR	378	333	720	203	235	434					
LA	484	467	1,051	446	415	789					
OK	430	443	890	242	285	422					
TX	1,636	1,736	3,902	767	981	1,414					
<b>Mid.</b>	<b>1,396</b>	<b>1,304</b>	<b>2,893</b>	<b>448</b>	<b>806</b>	<b>917</b>					
MT	108	99	188	52	62	112					
ID	120	97	218	40	52	85					
WY	48	44	88	21	14	33					
CO	310	315	663	132	182	304					
NM	154	137	299	92	70	164					
AZ	418	383	912	(x)	(x)	95					
UT	139	110	248	76	80	140					
NV	102	119	299	33	45	78					
<b>Pac.</b>	<b>4,043</b>	<b>5,225</b>	<b>11,382</b>	<b>4,166</b>	<b>3,378</b>	<b>5,515</b>					
WA	548	507	1,172	358	329	628					
OR	382	385	800	183	179	280					
CA	2,892	4,219	9,139	3,488	2,728	4,405					
AK	18	18	42	29	28	85					
HI	105	98	210	89	108	137					
PR	400	124	232	1,762	97	168					
Outlying areas	10	4	8	*14	*2	*4					
Foreign	250	9	24	(x)	(x)	(x)					

X Not applicable. <sup>1</sup> Hospital and/or medical insurance enrollment as of July 1. <sup>2</sup> Payments are for calendar year and represent total disbursements from Federal hospital and supplementary medical insurance trust funds. Estimates of distribution by State based on interim reimbursements. <sup>3</sup> For fiscal year ending Sept. 30. <sup>4</sup> Persons receiving Medicaid at any time during year. <sup>5</sup> Includes data for enrollees with residence unknown. <sup>6</sup> Virgin Islands only.

Source: U.S. Health Care Financing Administration, Medicare Program Statistics, Selected State Data, 1979-1982, May 1984 and unpublished data.



**579. MEDICAID—SELECTED CHARACTERISTICS OF PERSONS COVERED, BY POVERTY STATUS: 1980 TO 1985**

and, except percent. Represents number of persons as of March of following year who were enrolled at any time in Medicaid. Person did not have to receive medical care paid for by Medicaid in order to be counted. See headnote, table 566)

POVERTY STATUS	1980, total	1982, total	1984, total	1985							
				Total <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	Under 15 years old	15-44 years old	45-64 years old	65 years and over
covered, total	12,888	12,388	12,345	12,384	12,134	6,348	2,734	7,213	7,437	1,836	2,716
poorly level	11,113	13,224	13,207	12,852	7,459	4,888	2,035	5,834	4,919	1,017	1,082
poorly level	7,854	6,062	6,141	6,552	4,875	1,881	889	1,579	2,516	821	1,834
of total population	8.4	8.3	8.3	8.1	8.0	22.3	18.5	13.9	8.8	4.1	10.8
poorly level	39.1	38.7	40.4	39.7	34.0	53.7	42.7	51.6	38.8	24.5	32.1
poorly level	4.0	3.1	3.1	3.2	2.8	8.5	5.9	3.9	2.5	2.0	6.9

<sup>1</sup> Other races not shown separately. <sup>2</sup> Hispanic persons may be of any race.

18. Bureau of the Census, *Current Population Reports*, series P-80, No. 155, and earlier reports.

**6. MEDICAL ASSISTANCE (MEDICAID)—RECIPIENTS AND PAYMENTS, BY BASIS OF ELIGIBILITY AND TYPE OF SERVICE: 1975 TO 1986**

year ending in year shown; see text, section 9. Includes Puerto Rico and outlying areas. Excludes Arizona, which has Title XIX (Medicaid) program. Medical vendor payments are those made directly to suppliers of medical care)

BASIS OF ELIGIBILITY AND TYPE OF SERVICE	1975	1980	1982	1983	1984	1985	1986
<b>RECIPIENTS (1,000)</b>							
<b>over</b>	22,007	21,886	21,809	21,864	21,807	21,806	22,237
poorly level	3,615	3,440	3,240	3,372	3,236	3,061	3,129
poorly level	109	82	84	77	79	80	81
poorly level	2,355	2,819	2,808	2,844	2,834	2,835	3,067
poorly level	14,127	14,210	14,920	15,126	15,284	15,270	15,834
poorly level	9,588	9,333	9,583	9,536	9,884	9,782	10,218
poorly level	4,529	4,877	5,366	5,582	5,800	5,518	5,916
poorly level	1,800	1,499	1,434	1,129	1,187	1,214	1,367
<b>poorly level in—</b>							
hospital	3,432	3,880	3,530	3,886	3,487	3,434	3,804
hospital	67	86	72	80	35	60	52
<b>poorly level care facilities:</b>							
retarded	89	121	149	151	141	146	146
poorly level	882	789	785	788	796	829	836
poorly level facility	830	809	559	574	559	547	580
poorly level	15,188	13,785	13,894	14,056	14,195	14,387	14,813
poorly level	3,844	4,882	4,886	4,940	4,942	4,834	5,108
poorly level	2,673	3,234	3,223	3,306	3,363	3,357	3,437
poorly level hospital	7,437	9,705	9,853	10,089	10,036	10,072	10,721
poorly level	1,088	1,531	1,702	1,780	2,037	2,121	2,063
poorly level	4,738	3,212	3,814	4,482	4,822	6,364	7,117
poorly level	343	392	377	422	436	535	588
poorly level	14,155	13,707	13,547	13,732	13,935	13,821	14,857
poorly level	1,217	1,129	1,508	1,538	1,577	1,836	1,714
<b>PAYMENTS (mil. dol.)</b>							
<b>over</b>	12,342	22,311	29,389	32,381	33,891	37,586	40,886
poorly level	4,358	8,739	10,739	11,954	12,815	14,086	15,335
poorly level	83	124	172	183	219	249	271
poorly level	3,052	7,497	10,233	11,184	11,758	13,203	14,364
poorly level	4,248	6,354	7,567	8,322	8,396	9,180	9,865
poorly level	2,188	3,123	3,473	3,836	3,979	4,414	4,802
poorly level	2,062	3,231	4,093	4,487	4,420	4,746	5,183
poorly level	494	586	889	747	700	788	888
<b>poorly level in—</b>							
hospital	3,374	6,412	7,870	8,813	8,848	9,453	10,170
hospital	465	775	874	833	1,042	1,192	1,112
<b>poorly level care facilities:</b>							
retarded	381	1,989	3,467	4,079	4,256	4,719	5,068
poorly level	1,885	4,202	4,979	5,361	5,823	6,528	8,821
poorly level facility	2,434	3,885	4,427	4,821	4,810	5,073	5,537
poorly level	1,225	1,875	2,085	2,175	2,220	2,346	2,546
poorly level	339	462	482	487	469	458	526
poorly level	127	188	228	226	232	251	242
poorly level hospital	373	1,101	1,438	1,574	1,646	1,789	1,980
poorly level	389	320	400	479	584	714	810
poorly level	128	121	180	184	207	337	425
poorly level	70	332	498	597	774	1,120	1,381
poorly level	815	1,318	1,599	1,771	1,968	2,315	2,888
poorly level	67	81	133	156	184	195	224

75, recipient data are unduplicated counts of persons receiving Medicaid at any time during year. Beginning 1985, data do not add due to small number of recipients that are reported in more than one category. Includes recipients of care for other care not shown separately. <sup>1</sup> Permanently and totally. <sup>2</sup> Not to families with dependent children. <sup>3</sup> Radiological services.

1. Health Care Financing Administration, *Health Care Financing Review*, quarterly.



## No. 581. STATE UNEMPLOYMENT INSURANCE—SUMMARY: 1970 TO 1986

[See headnote, table 582]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Insured unemployment, avg. weekly	1,000	1,805	3,986	2,359	2,433	3,350	3,047	4,061	3,386	2,476	2,511	2,650
Percent of covered employment <sup>1</sup>	Percent	3.4	6.0	3.3	2.9	3.9	3.5	4.6	3.9	2.8	2.8	2.8
Unemployment benefits, avg. weekly	Dollars	50	70	84	90	99	107	119	124	123	127	134
Percent of weekly wage	Percent	35.6	37.2	37.0	35.9	37.5	35.6	37.2	37.6	35.8	36.3	35.7
Weeks compensated	Million	78.9	175.3	101.0	106.1	149.0	135.9	185.3	155.5	111.6	119.3	121.5
Beneficiaries, first payments	1,000	5,402	11,160	7,565	8,074	9,992	9,401	11,646	9,907	7,743	8,350	8,322
Average duration of benefits <sup>2</sup>	Weeks	12.3	15.7	13.3	13.1	14.9	14.5	15.9	17.5	14.4	14.3	14.6
Claimants exhausting benefits	1,000	1,295	4,195	2,039	2,037	3,072	2,989	4,175	4,180	2,600	2,575	2,703
Percent of first payment <sup>3</sup>	Percent	24.4	37.6	26.7	26.7	33.2	32.4	36.5	36.4	34.1	31.3	32.8
Contributions collected <sup>4</sup>	Bill. dol.	2.5	5.2	11.2	12.1	11.4	11.7	12.2	14.6	18.6	19.3	18.5
Benefits paid	Bill. dol.	3.8	11.8	7.7	8.6	13.8	13.3	20.7	17.8	12.6	14.0	15.4
Funds available for benefits <sup>5</sup>	Bill. dol.	11.9	4.5	9.3	12.5	11.4	11.8	7.5	7.3	11.6	16.0	19.9
Average employer contribution rate <sup>6</sup>	Percent	1.3	1.9	2.8	2.7	2.5	2.4	2.5	2.8	3.2	3.1	2.7

<sup>1</sup> See footnote 1, table 582. <sup>2</sup> Weeks compensated divided by first payment. <sup>3</sup> Based on first payments for 12-month period ending June 30. <sup>4</sup> Contributions from employers; also employees in States which tax workers. <sup>5</sup> End of year. Sum of balances in State clearing accounts, benefit-payment accounts, and State accounts in Federal unemployment trust funds. <sup>6</sup> As percent of taxable wages.

Source: U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, and *Annual Report of the Secretary of Labor*.

## No. 582. STATE UNEMPLOYMENT INSURANCE, BY STATE AND OTHER AREAS: 1986

[Includes unemployment compensation for State and local government employees where covered by State law. See also *Historical Statistics, Colonial Times to 1970*, series H 305-317]

STATE	AVERAGE WEEKLY—		Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	STATE OR OTHER AREAS	AVERAGE WEEKLY—		Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)		
	Insured unemployment					Unemployment benefits (dol.)					
	Number (1,000)	Percent <sup>1</sup>				Number (1,000)	Percent <sup>1</sup>				
United States...	2,989	2.9	194	8,322	15,493	10	4.0	188	31	52	
Alabama.....	49	3.2	99	175	180	13	2.1	111	43	69	
Alaska.....	17	8.0	158	58	100	12	2.8	133	41	75	
Arizona.....	26	2.0	111	74	100	4	.8	115	23	16	
Arkansas.....	26	3.8	117	98	124	66	2.8	156	258	630	
California.....	362	3.6	118	1,114	2,074	17	3.5	121	42	61	
Colorado.....	33	2.4	155	102	220	191	2.5	135	541	1,000	
Connecticut.....	25	1.6	103	111	174	49	1.9	117	224	300	
Delaware.....	6	2.0	153	21	44	8	3.4	149	22	80	
District of Columbia.....	1	2.1	169	22	60	118	2.8	148	340	712	
Florida.....	40	1.4	123	182	291	38	3.3	148	112	221	
Georgia.....	43	1.9	109	230	218	42	4.3	136	130	305	
Hawaii.....	9	2.1	146	27	49	185	3.7	153	487	1,057	
Idaho.....	15	4.6	133	47	74	13	3.1	129	46	72	
Illinois.....	144	3.3	141	364	957	26	2.3	100	102	110	
Indiana.....	45	3.3	99	151	166	3	1.5	108	11	14	
Iowa.....	29	3.6	139	85	161	Tennessee.....	44	2.5	92	188	172
Kansas.....	25	2.6	149	63	159	Texas.....	184	2.8	180	528	1,305
Kentucky.....	37	2.3	107	120	177	Utah.....	14	2.5	154	49	65
Louisiana.....	51	3.4	160	217	536	Vermont.....	5	2.5	121	18	27
Maine.....	12	2.8	122	36	58	Virginia.....	23	1.0	127	124	138
Maryland.....	38	2.1	138	110	208	Washington.....	65	4.1	137	177	382
Massachusetts.....	64	2.3	153	203	447	West Virginia.....	24	4.3	142	72	148
Michigan.....	109	3.2	183	408	733	Wisconsin.....	59	3.1	141	201	347
Minnesota.....	45	2.5	166	135	340	Wyoming.....	8	3.9	184	24	62
Mississippi.....	31	4.0	93	93	107	Puerto Rico.....	42	5.8	71	72	97
Missouri.....	51	2.6	107	172	221	Virgin Islands.....	1	2.2	111	2	4

<sup>1</sup> Insured unemployment as percent of average covered employment in preceding year.

Source: U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, monthly, and *Annual Report of the Secretary of Labor*.

## No. 553. WORKERS' COMPENSATION PAYMENTS: 1970 TO 1985

Units of dollars, except as indicated. See headnote, table 554. See also *Historical Statistics, Colonial Times to 1970*, series H 332-345]

Year	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
covered <sup>1</sup> (mil.)	59	67	72	■	79	79	79	78	79	82	84
total benefits paid	3,831	6,596	6,829	8,793	12,027	13,862	15,016	16,319	17,611	19,665	22,479
by carriers <sup>2</sup>	1,843	3,422	4,629	5,256	8,157	7,023	7,868	8,847	9,296	10,610	12,334
State funds <sup>3</sup>	755	2,324	2,750	3,039	4,022	4,333	4,614	4,795	5,066	5,379	5,874
self-insurance <sup>4</sup>	432	852	1,250	1,497	1,848	2,206	2,534	2,877	3,277	3,700	4,262
benefit:											
death/hospitalization	1,050	2,030	2,680	2,980	3,520	3,930	4,420	4,877	5,697	6,420	7,300
disability payments	1,891	4,568	5,950	6,613	8,507	8,632	10,598	11,442	11,914	13,206	15,170
medical	1,751	3,843	5,075	5,846	7,232	8,322	9,196	9,932	10,404	11,675	13,460
other	239	725	875	955	1,275	1,310	1,400	1,510	1,510	1,560	1,710
of covered payroll:											
workers' compensation costs <sup>5</sup>	1.11	1.32	1.71	1.86	1.96	1.98	1.84	1.73	1.67	1.64	1.81
rate <sup>6</sup>	.86	.83	.92	.94	1.01	1.06	1.06	1.16	1.18	1.20	1.31

rated per month. <sup>2</sup> Net cash and medical benefits paid under standard workers' compensation policies. <sup>3</sup> Net cash and medical benefits paid by competitive and exclusive State funds and by Federal workers' compensation programs, including long-term benefit program. <sup>4</sup> Cash and medical benefits paid by self-insurers, plus value of medical benefits paid by employers' workers' compensation policies that exclude standard medical coverage. <sup>5</sup> Premiums written by private carriers and State funds, and benefits paid by self-insurers increased by 5-10 percent to allow for administrative costs. Also includes benefits paid for administrative costs of Federal system for government employees. <sup>6</sup> Excludes programs financed from general fund—black lung benefits and supplemental pensions in some States.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

## No. 554. WORKERS' COMPENSATION PAYMENTS, BY STATE: 1980 TO 1985

Units of dollars. Calendar-year data, except fiscal-year data for Federal civilian and other programs and for a few States with fiscal years. Payments represent cash and medical benefits and include insurance losses paid by private insurance carriers (from the *Spectator (Insurance by State of Casualty Lines)*, from reports of State insurance commissions, and from Aetna Co.), net disbursements of State funds (from the *Spectator*, from *Argus Casualty and Surety Chart*, and from State reports), and self-insurance payments, estimated from available State data. Includes benefit payments under Longshoremen's and Harbor Workers' Compensation Act and Defense Base Compensation Act for States in which such payments are made.

State	1980	1982	1983	1984	1985	STATE AND PROGRAMS	1980	1982	1983	1984	1985
	13,862	16,319	17,611	19,665	22,479	Nevada	69	■	96	106	123
	112	132	147	186	203	New Hampshire	46	60	64	77	81
	60	64	77	93	109	New Jersey	316	350	385	444	501
	120	136	171	185	198	New Mexico	54	81	82	114	140
	83	103	118	134	142	New York	637	780	758	858	985
	1,528	2,033	2,261	2,655	3,243	North Carolina	131	160	173	201	242
	115	181	210	251	281	North Dakota	17	22	23	29	33
	132	208	232	266	305	Ohio	776	1,019	1,066	1,259	1,441
	21	27	30	36	40	Oklahoma	134	211	228	266	291
	70	81	78	74	74	Oregon	275	307	313	348	407
	382	520	645	686	815	Pennsylvania	572	723	781	888	998
	166	235	298	298	360	Rhode Island	55	71	81	85	97
	60	96	105	122	126	South Carolina	79	99	107	128	158
	38	44	48	56	66	South Dakota	13	17	18	21	26
	665	673	740	825	912	Tennessee	129	149	148	175	204
	101	118	129	134	152	Texas	701	962	1,064	1,293	1,564
	99	107	110	120	125	Utah	39	51	51	66	80
	65	105	115	126	142	Vermont	15	19	24	25	30
	161	168	168	194	225	Virginia	174	212	221	243	268
	301	364	415	431	466	Washington	324	419	532	627	785
	81	124	145	170	211	West Virginia	176	212	222	■	286
	187	242	255	272	306	Wisconsin	172	206	214	236	267
	296	360	406	451	510	Wyoming	14	37	44	48	47
	526	673	665	733	782	Federal programs:					
	256	336	348	374	431	Civilian					
	60	71	75	83	96	employees	776	889	919	1,004	1,065
	124	162	172	195	233	Black lung					
	41	56	66	79	102	benefits <sup>1</sup>	1,739	1,867	1,891	1,841	1,803
	43	53	57	61	65	Other <sup>2</sup>	8	8	8	9	7

includes payments by Social Security Administration and by Department of Labor. <sup>1</sup> Primarily payments made to dependents of workers who died while on active duty in the Armed Forces.

Source: U.S. Social Security Administration, *Social Security Bulletin*, December 1986 and unpublished data.

## NO. 585. BLACK LUNG BENEFIT PROGRAM—BENEFICIARIES AND PAYMENTS: 1975 TO 1987

(In thousands, except as indicated. Benefits payable to miners disabled because of pneumoconiosis and to their dependents and survivors as a result of Federal Coal Mine Health and Safety Act of 1969 and subsequent amendments and revisions. Claims by miners or their survivors are handled by the Social Security Administration (SSA) or the Department of Labor, depending upon the date the claim was filed. Claims filed by a miner by June 30, 1973, and those filed by survivors by December 31, 1973 were processed by SSA. Benefits under the program as administered by SSA are paid out of Federal general tax revenues. Claims filed by a miner between July 1 and December 31, 1973 and all claims filed after December 1973 were processed by Department of Labor and are paid by either a responsible mine operator or the Department of Labor.)

TYPE OF BENEFICIARY	SOCIAL SECURITY ADMINISTRATION						DEPARTMENT OF LABOR			
	1975	1985	1984	1985	1986	1987, est.	1975	1983	1984	1985
Beneficiaries, total <sup>1</sup>	482	389	314	295	276	252	(NA)	138	163	180
Miners	185	120	85	78	70	62	(NA)	53	63	61
Widows	138	147	141	138	136	130	(NA)	27	37	39
Dependents <sup>2</sup>	177	133	87	79	70	60	(NA)	58	64	62
Payments (mil. dol.)	950	1,030	1,038	1,025	971	930	10	707	595	583

NA Not available. <sup>1</sup> As of end of year. <sup>2</sup> Dependent wife or child or surviving child, parent, brother, or sister.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly; and U.S. Department of Labor, *Employment Standards Administration, Black Lung Benefits Act, Annual Report*.

## NO. 586. PERSONS WITH WORK DISABILITY BY SELECTED CHARACTERISTICS: 1987

(In thousands, except percent. As of March. Covers civilian noninstitutional population and members of Armed Forces living off post or with their families on post. Persons are classified as having a work disability if they (1) have a health problem or disability which prevents them from working or which limits the kind or amount of work they can do; (2) have a service-connected disability or ever retired or left a job for health reasons; (3) did not work in survey reference week or previous year because of long-term illness or disability; or (4) are under age 65, and are covered by Medicare or receive Supplemental Security Income. Based on Current Population Survey; see text, section 1 and Appendix III.)

AGE AND PARTICIPATION STATUS IN ASSISTANCE PROGRAMS	Total <sup>1</sup>	Male	Female	White	Black	Hispanic <sup>2</sup>
Persons with work disability	13,583	6,917	6,436	10,898	12,338	994
18-24 years old	1,177	647	530	899	233	114
25-34 years old	2,292	1,252	1,040	1,784	441	172
35-44 years old	2,508	1,360	1,148	2,014	440	181
45-54 years old	2,522	1,263	1,259	1,863	487	175
55-64 years old	4,054	2,394	2,459	4,039	735	682
Percent work disabled of total population	6.6	6.1	6.1	6.1	13.6	7.9
18-24 years old	3.5	3.8	3.1	3.21	4.9	3.4
25-34 years old	5.4	5.9	4.8	5.0	6.5	4.8
35-44 years old	7.5	8.2	6.7	7.0	12.4	7.8
45-54 years old	11.0	11.3	10.6	9.9	20.0	12.0
55-64 years old	22.2	23.3	21.2	20.9	35.8	27.0
Percent of work disabled—Receiving Social Security income	26.2	30.0	26.2	29.3	24.7	34.0
Receiving food stamps	16.6	14.4	23.2	15.0	35.1	27.9
Covered by Medicaid	20.7	15.8	25.9	17.8	34.4	28.3
Residing in public housing	4.1	2.2	6.2	2.4	11.9	6.7
Residing in subsidized housing	2.2	1.3	3.1	1.8	3.7	2.0

<sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

## NO. 587. VOCATIONAL REHABILITATION—SUMMARY: 1970 TO 1986

(For fiscal years ending in year shown; see text, section 9. Includes Puerto Rico, Guam, Virgin Islands, American Samoa, Northern Mariana Islands and Trust Territory of the Pacific Islands. Vocational rehabilitation of the disabled defined as restoration, preservation, or development of the ability to function in productive activity. Rehabilitation services provided by State vocational rehabilitation agencies with matching State and Federal funds include medical restoration, training, counseling, guidance, and placement services. See also *Historical Statistics, Colonial Times to 1970*, series H 362-387.)

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Federal and State expenditures <sup>1</sup>	Mil. dol.	558	687	1,078	1,118	1,167	1,254	1,306	1,452	1,806
Federal expenditures	Mil. dol.	432	573	817	850	858	837	1,038	1,100	1,144
Applicants processed for program eligibility	1,000	808	837	717	681	594	802	594	594	984
Percent accepted into program	Percent	68	64	58	55	56	58	58	60	68
Total persons rehabilitated <sup>2</sup>	1,000	267.0	324.0	277.1	255.9	228.9	216.2	225.8	227.7	223.4
Rehabilitation rate <sup>3</sup>	Percent	77	70	64	62	61	62	63	64	64
Severely disabled persons rehabilitated <sup>4</sup>	1,000	(NA)	115.7	142.5	138.4	129.9	124.2	132.7	135.2	136.3
Rehabilitation rate <sup>5</sup>	Percent	(NA)	(NA)	61	59	59	59	61	62	62
Percent of total persons rehabilitated	Percent	(NA)	36	51	54	57	57	58	59	61
Persons served total <sup>6</sup>	1,000	878	1,244	1,085	1,036	959	939	936	932	984
Persons served, severely disabled <sup>7</sup>	1,000	(NA)	(NA)	806	801	572	582	585	581	582
Percent of total persons served	Percent	(NA)	(NA)	55	58	60	60	60	62	63

NA Not available. <sup>1</sup> Includes expenditures only under the basic support provisions of the Rehabilitation Act. <sup>2</sup> Estimates based on amounts appropriated. <sup>3</sup> Persons successfully placed into gainful employment. <sup>4</sup> Persons rehabilitated as a percent of all active case closures (whether rehabilitated or not). <sup>5</sup> Severely disabled individuals fall into any of the following three categories: (a) clients with specified major disabling conditions such as blindness and deafness; (b) clients who at any time in the vocational rehabilitation process had been Social Security disability beneficiaries or recipients of Supplemental Security Income; and (c) other individuals with substantial loss in conducting certain specified activities. <sup>6</sup> Includes active cases accepted for rehabilitation services during year plus active cases on hand at beginning of year.

Source: U.S. Dept. of Education, Rehabilitation Services Administration, *Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Years*, and *State Vocational Rehabilitation Agency Program Data in Fiscal Years*, both annual.

### NO. 583. PUBLIC AID—RECIPIENTS OF AND AVERAGE MONTHLY CASH PAYMENTS UNDER SUPPLEMENTAL SECURITY INCOME AND PUBLIC ASSISTANCE: 1970 TO 1986

[In thousands, except as indicated. As of December, except as noted. Public assistance data for all years include Puerto Rico, Guam, and Virgin Islands. SSI: Supplemental security income. SSI data are for federally administered payments only; see text, p. 332. Excludes vendor payments for medical care (i.e., payments made directly to suppliers of medical care). Beginning 1974, Federal SSI program replaced Federal grants for aid to the aged, blind, and disabled in the 50 States and DC; such grants continued for Puerto Rico, Guam, and Virgin Islands. Residents of Northern Mariana Islands became eligible for SSI in 1978. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 355-367]

PROGRAM	1970	1975	1975	1970	1980	1981	1982	1982	1984	1985	1986
<b>Recipients of payments:</b>											
SSI, total <sup>1</sup> .....	(x)	4,314	4,217	4,150	4,142	4,019	3,858	3,901	4,029	4,138	4,268
Percent also receiving Social Security .....	(x)	52.7	51.7	51.4	51.0	50.2	49.4	49.5	49.6	49.4	48.9
Male.....	(x)	1,532	1,454	1,423	1,423	1,380	1,321	1,346	1,403	1,457	1,524
Female.....	(x)	2,770	2,757	2,722	2,715	2,635	2,534	2,552	2,624	2,681	2,745
White.....	(x)	2,755	2,733	2,664	2,636	2,517	2,335	2,275	2,255	2,255	2,206
Black.....	(x)	1,120	1,153	1,141	1,136	1,105	1,043	1,026	1,032	1,047	1,076
Aged.....	(x)	2,307	1,968	1,872	1,806	1,678	1,549	1,515	1,530	1,504	1,473
Blind.....	(x)	74	77	77	78	79	77	79	81	82	83
Disabled.....	(x)	1,933	2,172	2,201	2,256	2,262	2,231	2,307	2,419	2,551	2,713
Old-age assistance <sup>2</sup> .....	2,061	18	19	19	19	19	19	18	18	18	17
Aid to the blind <sup>2</sup> .....	80	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)
Aid to permanently, totally disabled <sup>2</sup> .....	877	17	19	20	21	22	22	22	23	23	24
<b>AFDC: <sup>4</sup></b>											
Families.....	2,552	3,568	3,489	3,560	3,843	3,633	3,596	3,721	3,674	3,721	3,777
Recipients <sup>4</sup> .....	9,659	11,404	10,349	10,379	11,101	10,613	10,504	10,865	10,740	10,924	11,065
Children.....	7,033	8,106	7,226	7,207	7,599	7,125	6,972	7,130	7,114	7,247	7,374
General assistance cases.....	547	692	620	606	796	661	1,019	1,066	1,060	1,051	966
<b>Average monthly payments (dol.):</b>											
SSI, total.....	(x)	114	130	158	168	183	196	212	219	226	244
Aged.....	(x)	91	100	123	128	136	146	158	158	164	174
Blind.....	(x)	147	184	212	213	226	242	256	265	274	287
Disabled.....	(x)	141	155	182	196	214	229	245	256	261	282
Old-age assistance <sup>2</sup> .....	75	21	22	42	38	41	36	36	36	36	(NA)
Aid to the blind <sup>2</sup> .....	102	15	19	39	36	43	37	36	37	39	(NA)
Aid to permanently, totally disabled <sup>2</sup> .....	96	15	17	36	35	40	37	37	37	36	(NA)
<b>AFDC: <sup>4</sup></b>											
Families.....	190	229	256	271	266	302	310	321	335	341	356
Recipients.....	50	72	66	83	100	103	106	110	115	118	122
General assistance cases.....	112	144	157	157	161	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. Z Fewer than 500. <sup>1</sup> Includes items not shown separately. <sup>2</sup> Average monthly recipients and payments for the year. <sup>3</sup> Aid to Families with Dependent Children program. <sup>4</sup> Includes the children and one or both parents, or one caretaker relative other than a parent, in families where the needs of such adults were considered in determining the amount of assistance.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*; *Social Security Bulletin*, monthly; and *Public Assistance Statistics*, monthly.

### NO. 589. PUBLIC AID PAYMENTS: 1970 TO 1986

[In millions of dollars. See headnote, table 588. Supplemental Security Income data cover federally- and State-administered payments. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 346-354]

PROGRAM	1970	1975	1975	1970	1980	1981	1982	1982	1984	1985	1986
<b>Payments, total <sup>1</sup> .....</b>	<b>8,443</b>	<b>16,313</b>	<b>18,577</b>	<b>19,477</b>	<b>21,994</b>	<b>21,716</b>	<b>21,979</b>	<b>23,365</b>	<b>25,036</b>	<b>26,431</b>	<b>(NA)</b>
<b>Supplemental Security Income.....</b>	<b>(x)</b>	<b>5,878</b>	<b>6,552</b>	<b>7,075</b>	<b>7,941</b>	<b>8,593</b>	<b>8,981</b>	<b>9,404</b>	<b>10,371</b>	<b>11,080</b>	<b><sup>2</sup>12,081</b>
Aged.....	(x)	2,605	2,433	2,526	2,734	2,818	2,824	2,814	2,973	3,035	3,066
Blind.....	(x)	131	152	168	190	206	217	229	249	264	277
Disabled.....	(x)	3,142	3,966	4,381	5,014	5,569	5,949	6,357	7,143	7,755	8,700
<b>Public assistance <sup>1</sup> .....</b>	<b>6,443</b>	<b>10,434</b>	<b>12,024</b>	<b>12,402</b>	<b>14,048</b>	<b>13,123</b>	<b>12,998</b>	<b>13,961</b>	<b>14,664</b>	<b>15,371</b>	<b>(NA)</b>
Old-age assistance.....	1,862	5	5	9	9	9	8	8	8	8	(NA)
Blind.....	96	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(NA)
Permanently, totally disabled.....	1,000	3	4	9	9	10	10	10	10	10	(NA)
Families with dependent children.....	4,853	9,211	10,729	11,069	12,475	12,981	12,878	13,838	14,505	15,196	(NA)
Emergency assistance.....	11	78	81	84	113	123	102	125	141	157	(NA)
General assistance.....	618	1,138	1,205	1,231	1,442	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. Z Less than \$500,000. <sup>1</sup> Beginning 1961, excludes general assistance payments. <sup>2</sup> Includes data not available by reason for eligibility.

Source: U.S. Social Security Administration, *Public Assistance Statistics*, monthly and unpublished data.

# **No. 580. AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AND SUPPLEMENTAL SECURITY INCOME (SSI)—RECIPIENTS AND PAYMENTS, STATES AND OTHER AREAS: 1980 TO 1986**

[Recipients as of December, except as noted. Data for SSI cover Federal SSI payments and/or federally-administered State supplementation, except as noted. For explanation of methodology, see Appendix III]

DIVISION AND STATE OR OTHER AREA	AFDC						SSI				PUBLIC AID RECIPIENTS AS PERCENT OF POPULATION <sup>2</sup>	
	Recipients <sup>1</sup> (1,000)			Payments for year (mil. dol.)		Average monthly payment per family, 1986	Recipients (1,000)		Payments for year (mil. dol.)		1980	1986
	1980	1985	1986	1980	1986		1980	1986	1980	1986		
<b>Total ..</b>	11,101	10,824	11,085	12,475	15,198	\$342	4,142	4,369	7,715	11,741	(x)	(x)
<b>U.S.</b>	10,823	10,738	10,876	12,408	15,128	(NA)	4,142	4,299	7,880	11,740	8.5	8.2
<b>N. Eng.</b>	647	493	480	919	863	(NA)	185.0	185.8	355	513	8.8	8.3
ME	58	58	58	80	81	336	21.6	22.5	29	46	7.4	6.9
NH	24	13	11	27	20	318	5.4	6.5	8	15	3.0	1.9
VT	24	22	22	32	38	408	8.9	9.5	16	25	6.4	5.6
MA	348	236	235	510	426	408	123.8	113.0	241	311	8.3	5.9
RI	54	44	43	72	75	393	15.0	16.1	25	42	7.2	8.2
CT	140	119	113	209	223	450	23.4	28.2	39	74	5.2	4.5
<b>Mid. Atl.</b>	2,216	2,043	1,868	2,964	3,278	(NA)	614.5	632.2	1,259	1,937	7.8	7.1
NY	1,110	1,101	1,079	1,623	2,029	453	365.5	366.8	711	1,189	8.4	8.2
NJ	468	380	343	560	498	336	85.8	85.2	156	274	7.4	5.8
PA	637	582	587	771	751	336	183.2	170.2	312	475	6.7	6.3
<b>E. No. Cent.</b>	2,418	2,539	2,484	2,838	3,570	(NA)	486.3	532.7	827	1,441	6.8	7.4
OH	572	672	687	581	773	287	119.3	133.9	200	347	6.0	7.5
IN	170	183	153	139	153	224	41.4	50.9	60	123	3.7	3.8
IL	691	733	731	722	881	307	123.6	145.3	207	367	7.0	7.8
MI	753	673	653	1,063	1,194	446	113.8	127.0	237	367	8.8	8.7
WI	232	297	290	353	588	490	68.3	75.6	124	208	6.1	7.8
<b>W. No. Cent.</b>	614	622	638	687	849	(NA)	180.3	184.9	270	433	4.5	4.7
MN	146	157	180	207	309	496	31.9	34.2	42	73	4.2	4.6
IA	111	124	122	144	180	332	25.8	28.6	34	81	4.6	5.4
MO	216	199	202	182	198	250	84.4	80.3	128	189	5.9	5.5
ND	13	13	14	16	19	341	6.3	6.9	9	14	2.0	3.0
SD	19	17	18	19	18	256	8.0	8.7	10	18	4.2	3.7
NE	38	46	47	42	58	319	13.7	14.1	19	31	3.2	3.9
KS	72	67	73	87	86	315	20.4	21.9	28	47	3.8	3.7
<b>So. Atl.</b>	1,463	1,367	1,362	1,125	1,328	(NA)	744.4	779.6	1,178	1,843	5.8	5.2
DE	34	22	21	32	26	246	7.2	7.7	11	18	6.6	4.6
MD	220	196	186	214	244	283	48.3	53.2	82	138	6.1	5.5
DC	82	56	54	82	76	286	15.1	16.4	31	47	15.5	11.3
VA	176	155	151	173	173	246	80.8	87.3	120	197	4.6	4.1
WV	80	114	115	60	94	230	41.0	43.5	72	113	8.0	6.2
NC	202	175	173	154	187	217	140.8	140.3	210	314	5.8	5.0
SC	166	126	130	72	95	181	83.4	87.5	124	182	7.6	6.5
GA	234	234	246	136	200	199	154.5	154.5	293	342	6.9	6.4
FL	279	276	286	203	249	215	173.8	189.2	291	482	4.4	3.9
<b>E. So. Cent.</b>	704	624	647	386	385	(NA)	470.1	473.1	716	1,075	7.9	7.2
KY	175	181	181	136	136	194	83.7	100.6	151	245	7.2	7.0
TN	174	169	177	85	92	134	130.6	129.3	199	295	6.4	6.1
AL	178	148	139	84	70	113	134.1	131.1	195	286	8.1	6.8
MS	176	157	170	61	64	104	111.8	112.1	171	250	11.4	10.4
<b>W. So. Cent.</b>	716	786	873	481	630	(NA)	643.3	826.0	793	1,146	5.2	5.8
AR	85	65	66	51	43	164	77.8	73.8	107	150	7.2	5.9
LA	219	237	269	124	168	188	136.5	128.2	221	304	8.3	8.2
OK	82	87	94	82	91	264	87.3	59.2	100	111	5.2	4.5
TX	320	399	411	134	241	182	261.7	264.8	365	683	4.0	4.1
<b>Mid.</b>	308	312	341	274	347	(NA)	116.2	130.9	186	331	3.8	3.6
MT	20	25	27	19	33	341	6.8	8.0	11	19	3.4	4.2
ID	20	16	17	24	19	254	7.5	8.7	11	20	3.1	2.6
WY	7	10	11	9	14	307	1.8	2.5	3	8	1.9	2.7
CO	81	83	89	61	100	300	30.5	31.3	46	75	3.7	3.5
NM	58	51	51	42	51	237	25.4	27.5	41	66	6.1	5.3
AZ	80	72	83	40	65	213	29.8	35.1	53	82	2.0	3.3
UT	44	38	42	48	52	334	7.8	9.2	11	23	3.2	3.0
NV	14	15	17	11	13	217	6.8	5.6	11	21	2.3	2.5
<b>Pac.</b>	1,843	1,963	2,064	2,844	3,898	(NA)	796.2	963.4	2,108	3,032	7.9	7.8
WA	173	189	210	251	340	430	45.3	50.6	85	140	4.9	5.8
OR	94	78	81	147	111	325	22.2	26.8	35	66	4.9	4.2
CA	1,488	1,831	1,701	2,328	3,427	514	717.5	710.6	1,988	2,782	8.8	8.7
AK	16	18	18	27	42	550	3.1	3.6	6	10	4.6	4.0
HI	61	49	44	77	77	404	10.2	11.8	20	34	7.3	5.4
PR	170	175	181	111	63	98	(x)	(x)	(x)	(x)	(x)	(x)
GU	5	8	5	3	4	229	(x)	(x)	(x)	(x)	(x)	(x)
VI	3	4	4	2	3	167	(x)	(x)	(x)	(x)	(x)	(x)
<b>N. Mariana</b>	(x)	(x)	(x)	(x)	(x)	(x)	6	6	1	2	(x)	(x)

NA Not available. X Not applicable. <sup>1</sup> See footnote 4, table 588. <sup>2</sup> Data compiled by U.S. Bureau of the Census. Total recipients as of June of AFDC and of Federal SSI as percent of resident population. For population figures used, see table 21. <sup>3</sup> SSI totals include small number of recipients whose residence was "unknown." <sup>4</sup> 1980 figures include payments to Indochina refugees (total, \$23.6 million) which were not available by State. In addition, for all years, totals were reduced to reflect returned checks and overpayment refunds. <sup>5</sup> Data for persons with Federal SSI payments only; State has State-administered supplementation. <sup>6</sup> Data for persons with Federal SSI payments only; State supplementary payments not made.

Source: U.S. Social Security Administration, Social Security Bulletin, monthly, Annual Statistical Supplement to the Social Security Bulletin, and Public Assistance Statistics, monthly.

## NO. 581. FEDERAL FOOD PROGRAMS: 1970 TO 1986

[For fiscal years ending in year shown; see text, section 9. Program data include Puerto Rico, Virgin Islands, Guam, American Samoa, and the Trust Territory when a Federal food program was operated in these areas. All participation data are average monthly figures except as noted. Participants are not reported for the special milk program, the nutrition program for the elderly, and the commodity distribution programs. Cost data are direct Federal benefits to recipients; they exclude Federal administrative payments and applicable State and local contributions. Federal costs for commodities and cash-in-lieu of commodities are shown separately from direct cash benefits for these programs receiving both.]

PROGRAM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>Food Stamp:</b>											
Participants	Million	4.3	17.1	17.7	21.1	22.4	21.7	21.5	20.9	19.9	19.4
Federal cost	Mill. dol.	550	4,386	6,480	8,721	10,630	10,208	11,152	10,888	10,744	10,605
<b>Nutrition assistance program for Puerto Rico:<sup>1</sup></b>											
Federal cost	Mill. dol.	(x)	(x)	(x)	(x)	(x)	207	825	825	825	820
<b>National school lunch program (NSLP):<sup>2</sup></b>											
Free lunches served	Million	739	1,638	1,623	1,871	1,737	1,622	1,714	1,702	1,656	1,678
Reduced-price lunches served	Million	(NA)	(NA)	278	308	312	282	253	248	254	257
Children participating <sup>3</sup>	Million	22.4	24.9	27.0	28.6	28.8	22.9	23.0	23.4	23.6	23.7
Federal cost	Mill. dol.	300	1,288	1,864	2,279	2,381	2,185	2,402	2,508	2,579	2,714
<b>School breakfast (SB):</b>											
Children participating <sup>4</sup>	Million	5	18	3.3	3.6	3.8	3.3	3.4	3.4	3.4	3.5
Federal cost	Mill. dol.	11	86	231	288	332	317	344	354	380	408
<b>Special school milk:</b>											
Quantity reimbursed	Mill. 1/2 pt.	2,902	2,139	1,821	1,796	1,534	202	189	174	167	162
Federal cost	Mill. dol.	101	123	134	145	101	18	17	17	18	15
<b>Women-infant-children:<sup>5</sup></b>											
Participants	Million	(x)	5	1.6	2.0	2.2	2.3	2.6	3.2	3.3	3.5
Federal cost	Mill. dol.	(x)	94	444	603	729	785	837	1,156	1,235	1,304
<b>Child care feeding (CC):<sup>6</sup></b>											
Children participating <sup>7</sup>	Million	1	4	6	7	8	9	9	9	10	11
Federal cost	Mill. dol.	6	46	164	210	293	268	304	347	390	427
<b>Summer feeding (SF):<sup>8</sup></b>											
Children participating <sup>9</sup>	Million	2	1.6	2.1	1.9	1.9	1.4	1.4	1.4	1.5	1.5
Federal cost	Mill. dol.	2	50	106	106	101	81	95	101	101	108
<b>Needy family commodity:</b>											
Participants	Million	3.8	3	1	1	1	1	1	1	1	1
Federal cost	Mill. dol.	282	39	16	24	29	33	35	40	49	47
<b>Nutrition program for the elderly:</b>											
Meals served	Million	(x)	11	154	186	184	189	301	213	225	228
Federal cost	Mill. dol.	(x)	2	58	75	94	101	120	127	127	137
<b>Federal cost of commodities donated to:<sup>10</sup></b>											
Child nutrition (NSLP, CC, SF and SB)	Mill. dol.	265	431	780	830	922	795	799	853	830	867
Charitable institutions, summer camps	Mill. dol.	23	20	54	71	76	111	151	190	170	240
Emergency feeding <sup>10</sup>	Mill. dol.	(x)	(x)	(x)	(x)	(x)	180	1,002	1,032	973	846

NA Not available. X Not applicable. <sup>1</sup> Puerto Rico was included in the Food Stamp Program until June 30, 1962. <sup>2</sup> See headnote, table 583. <sup>3</sup> Nine month (September through May) average daily meals (lunches or breakfasts) served divided by the ratio of average daily attendance to enrollment. <sup>4</sup> Covers special supplemental food program (WIC) and commodity supplemental food program. <sup>5</sup> Program provides year-round subsidies to feed preschool children in child care centers and family day care homes. <sup>6</sup> Annual average daily attendance at participating institutions. <sup>7</sup> Program provides free meals to children in poor areas during summer months. <sup>8</sup> Peak month (July) average daily attendance at participating institutions. <sup>9</sup> Includes the Federal cost of commodity entitlements, cash-in-lieu of commodities, and bonus foods. <sup>10</sup> Provides free commodities to needy persons for home consumption through food banks, hunger centers, soup kitchens, and similar non-profit agencies.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual; and unpublished data.

## NO. 582. FEDERAL FOOD STAMP PROGRAM: 1970 TO 1986

[Except as noted, for fiscal year ending in year shown; see text, section 9. Beginning 1975, includes Puerto Rico (through June 30, 1982), Guam, and Virgin Islands.]

YEAR	Participants <sup>1</sup> (1,000)	Average monthly participation (1,000)	Federal govt. contri- butions, total (mil. dol.)	YEAR	Participants <sup>1</sup> (1,000)	Average monthly participation (1,000)	Federal govt. contri- butions, total (mil. dol.)
1970	6,457	4,340	550	1979	18,323	17,852	6,480
1971	10,548	9,386	1,523	1980	22,026	21,087	8,721
1972	11,504	11,109	1,797	1981	22,181	22,431	10,630
1973	12,107	12,186	2,131	1982	20,051	21,717	10,208
1974	13,524	12,862	2,718	1983	21,087	21,625	11,152
1975	18,197	17,084	4,386	1984	19,785	20,854	10,888
1976	17,962	18,549	5,327	1985	19,186	19,899	10,744
1977	18,134	17,077	5,087	1986	19,071	19,428	10,605
1978	15,246	16,000	5,139				

<sup>1</sup> As of end of fiscal year.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual.



### NO. 593. FEDERAL FOOD STAMP AND NATIONAL SCHOOL LUNCH PROGRAMS—STATES AND OTHER AREAS: 1980 AND 1986

[Cost data for fiscal year ending in year shown. Food stamp participants, as of end of fiscal year. For explanation of fiscal year, see text, section 9. Data on pupils participating in National School Lunch Program are for month in which most pupils participated nationwide. For National School Lunch Program, covers public and private elementary and secondary schools and residential child care institutions. National School Lunch Program costs include Federal cash reimbursements at rates set by law for each meal served but do not include the value of USDA donated commodities utilized in this program. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	FOOD STAMP PROGRAM			NATIONAL SCHOOL LUNCH PROGRAM			DIVISION AND STATE	FOOD STAMP PROGRAM			NATIONAL SCHOOL LUNCH PROGRAM		
	Persons (1,000)		Cost (mil. dol.)	Persons (1,000)		Cost (mil. dol.)		Persons (1,000)		Cost (mil. dol.)	Persons (1,000)		Cost (mil. dol.)
	1980	1986	1986	1980	1986	1986		1980	1986	1986	1980	1986	1986
<b>Total<sup>1</sup></b>	<b>22,028</b>	<b>19,071</b>	<b>10,806</b>	<b>27,911</b>	<b>24,283</b>	<b>2,714</b>	<b>So. Atl.—</b>						
<b>U.S.</b>	<b>20,116</b>	<b>18,025</b>	<b>10,567</b>	<b>26,384</b>	<b>22,822</b>	<b>2,696</b>	<b>Con.</b>						
<b>Regions:</b>							<b>DC</b>	104	85	37	57	49	9
Northeast	4,379	3,721	2,057	4,069	4,030	445	VA	412	331	181	717	617	53
Midwest	4,340	4,925	2,874	6,767	5,786	540	WV	216	287	156	245	216	27
South	8,398	7,347	4,157	10,454	9,808	1,108	NC	592	424	226	687	610	84
West	3,000	3,033	1,479	4,154	3,988	502	SC	444	309	179	489	477	56
<b>N. Eng.</b>	<b>845</b>	<b>862</b>	<b>336</b>	<b>1,386</b>	<b>1,008</b>	<b>82</b>	GA	656	492	270	864	697	91
ME	139	104	57	146	113	12	FL	997	801	382	1,055	1,004	119
NH	53	21	12	101	84	6	<b>E. So. Cent.</b>	<b>2,383</b>	<b>1,964</b>	<b>1,146</b>	<b>2,232</b>	<b>2,136</b>	<b>261</b>
VT	48	34	18	56	46	4	KY	485	518	320	567	511	56
MA	446	315	158	703	483	42	TN	674	501	278	646	607	62
RI	87	83	33	66	58	7	AL	606	481	276	607	586	71
CT	174	124	55	288	224	21	MS	518	495	263	430	417	63
<b>Mid. Atl.</b>	<b>3,434</b>	<b>3,089</b>	<b>1,722</b>	<b>3,803</b>	<b>3,032</b>	<b>388</b>	<b>W. So. Cent.</b>	<b>2,362</b>	<b>2,573</b>	<b>1,419</b>	<b>2,386</b>	<b>2,222</b>	<b>377</b>
NY	1,804	1,673	936	1,593	1,487	202	AR	301	231	121	356	296	36
NJ	600	362	240	679	534	59	LA	584	700	390	767	726	86
PA	1,030	964	547	1,231	1,002	95	OK	214	268	139	408	369	39
<b>E. No. Cent.</b>	<b>3,382</b>	<b>2,813</b>	<b>2,268</b>	<b>4,401</b>	<b>3,734</b>	<b>372</b>	TX	1,203	1,374	769	1,835	1,626	219
OH	928	1,111	702	1,156	1,018	100	<b>Mid.</b>	<b>818</b>	<b>786</b>	<b>489</b>	<b>1,262</b>	<b>1,213</b>	<b>127</b>
IN	399	349	223	717	618	44	MT	45	56	32	104	85	8
IL	915	1,062	707	1,129	923	117	ID	66	56	35	120	122	11
MI	903	900	505	895	721	74	WY	15	28	16	51	71	4
WI	237	360	151	533	443	38	CO	173	184	102	298	298	25
<b>W. No. Cent.</b>	<b>986</b>	<b>1,111</b>	<b>586</b>	<b>2,388</b>	<b>2,063</b>	<b>187</b>	NM	191	152	86	174	173	24
MN	186	230	108	558	489	34	AZ	227	203	112	291	274	32
IA	156	205	110	439	388	28	UT	85	60	42	233	245	18
MO	364	374	208	664	539	51	NV	37	35	23	60	55	5
ND	26	35	18	93	93	7	<b>Pac.</b>	<b>1,162</b>	<b>2,287</b>	<b>1,090</b>	<b>2,632</b>	<b>2,684</b>	<b>376</b>
SD	46	53	29	101	86	10	WA	260	295	148	354	329	35
NE	72	95	48	203	187	15	OR	213	215	141	277	233	29
KS	104	119	65	306	286	22	CA	1,571	1,611	627	2,008	1,836	298
<b>So. Atl.</b>	<b>3,611</b>	<b>2,780</b>	<b>1,868</b>	<b>4,646</b>	<b>4,467</b>	<b>489</b>	AK	32	27	24	33	39	7
DE	53	31	18	66	54	5	HI	106	99	90	162	146	15
MD	335	281	170	434	342	34							

<sup>1</sup> Includes Puerto Rico, other outlying areas and Dept. of Defense overseas. After July 1, 1982 Puerto Rico was dropped from Food Stamp program and transferred to a nutrition assistance program.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual and unpublished data.

### NO. 594. ADOPTIONS BY RELATIONSHIP OF PETITIONER, 1960 TO 1982, AND FOREIGN ADOPTIONS, 1975 TO 1986

[Data on foreign adoptions for fiscal year ending in year shown; see text, section 9. Estimated. Data on total adoptions for 1960-1975 are generally based on material shown by Penelope Maza in "Adoption Trends: 1944-1975", Child Welfare Research Notes #9, issued by the U.S. Dept. of Health and Human Services, Administration for Children, Youth and Families. Data on total adoptions for 1982 are based on data collected by the source from various State health, welfare, adoption, and statistical offices. Data on foreign adoptions are based on compilations by the source of data supplied by the U.S. Immigration and Naturalization Service. For further comments, see source]

YEAR	TOTAL ADOPTIONS						YEAR AND COUNTRY OF ORIGIN OF ADOPTEE	FOREIGN ADOPTIONS	
	Total	Related petitioners	Unrelated petitioners by type of agency making placement					Number	Percent distribution
			Total	Public agency	Private agency	Independent			
<b>Number:</b>							1975	5,633	100.0
1960	107,000	48,200	57,800	13,380	20,800	23,700	1980	5,139	100.0
1965	142,000	65,300	76,700	20,700	32,300	23,800	1981	4,986	100.0
1970	175,000	65,300	89,200	29,800	40,100	19,600	1982	5,749	100.0
1975	129,000	81,380	47,700	16,800	18,100	11,000	1983	7,127	100.0
1982	141,861	91,141	50,720	19,426	14,549	16,745	1984	8,327	100.0
							1985	9,296	100.0
<b>Percent distribution:</b>							1986, total <sup>1</sup>	9,946	100.0
1960	100.0	45.0	54.0	12.4	19.4	22.1	South Korea	6,196	62.2
1965	100.0	46.0	54.0	14.6	22.7	18.6	Philippines	684	6.4
1970	100.0	46.0	51.0	16.8	22.8	11.2	India	886	8.9
1975	100.0	63.0	37.0	14.4	14.0	8.6	Colombia	860	8.6
1982	100.0	64.2	35.8	13.7	10.3	11.8	China	517	5.2

<sup>1</sup> Includes other countries, not shown separately.

Source: National Committee for Adoption, Inc., Washington, DC, Adoption Factbook, 1986, (copyright) and unpublished data.



## No. 585. ORPHANS, BY TYPE: 1960 TO 1986

[As of July. Includes Puerto Rico and Virgin Islands, beginning 1970, also includes American Samoa and Guam. Covers children under age 18 who have been orphaned at any time. Paternal orphan refers to loss of father only, maternal orphan to loss of mother only, full orphan to loss of both parents. Percent of child population based on Social Security Administration estimates of number of children under 18, as of July 1. Data not exactly comparable for all years because of changes in methodology.]

YEAR	NUMBER ('000)				PERCENT OF CHILD POPULATION			
	Total	Paternal	Maternal	Full	Total	Paternal	Maternal	Full
1960	3,509	2,446	981	82	5.1	3.6	1.4	1
1970	3,745	2,635	1,033	78	5.1	3.6	1.4	1
1975	3,550	2,520	959	71	5.1	3.6	1.4	1
1980	2,689	2,077	700	52	4.4	3.1	1.1	1
1981	2,760	1,991	721	47	4.2	3.0	1.1	1
1982	2,624	1,899	682	43	4.0	2.8	1.0	1
1983	2,496	1,812	648	39	3.8	2.8	1.0	1
1984	2,406	1,750	621	35	3.7	2.7	1.0	1
1985	2,330	1,699	599	33	3.6	2.6	.9	(2)
1986	2,267	1,659	578	30	3.5	2.5	.9	(2)

2 Less than .05 percent.

Source: U.S. Social Security Administration, unpublished data.

## No. 586. CHILD CARE ARRANGEMENTS OF CHILDREN UNDER 15 OF EMPLOYED MOTHERS, BY AGE OF CHILD AND EMPLOYMENT STATUS OF MOTHER: 1984-1985

[In thousands, except percent. As of winter 1984-1985. Data were obtained for the three youngest children under 15 years old (including any adopted or stepchildren in their care) in the household. This represents approximately 90 percent of all children under 15 years old of working women. Based on the Survey of Income and Program Participation; see text, section 14.]

USUAL WEEKLY CHILD CARE ARRANGEMENT	CHILDREN UNDER 15 YEARS			CHILDREN UNDER 5 YEARS						Children 5-14 years, total
	Total	Mother employed		Total	Mother employed		Under 1 year	1 and 2 years	3 and 4 years	
		Full time <sup>1</sup>	Part time		Full time <sup>1</sup>	Part time				
Total	26,465	10,812	9,843	8,198	5,986	3,199	1,396	3,287	3,516	16,287
Care in child's home	4,698	2,480	2,219	2,534	1,235	1,300	516	1,088	950	2,184
By father	2,496	1,133	1,363	1,262	542	740	252	526	502	1,214
By grandparent	712	423	289	487	259	209	102	206	157	244
By other relative	604	539	265	306	183	123	44	147	114	498
By nonrelative	667	385	302	479	251	228	116	185	115	208
Care in another home	3,801	2,875	1,126	3,020	1,132	864	563	1,368	1,089	782
By grandparent	1,138	743	395	833	533	300	174	361	298	305
By other relative	487	265	182	388	212	155	70	130	167	100
By nonrelative	2,196	1,847	549	1,819	1,390	429	319	877	624	377
Organized child care facilities	2,411	1,830	581	1,886	1,415	473	195	563	1,131	523
Day/group care center	1,440	1,067	373	1,142	835	307	116	401	625	296
Nursery school/preschool	971	763	208	746	580	166	79	162	506	225
Kindergarten/grade school	13,815	8,976	4,839	61	21	41	(x)	(x)	61	13,753
Child cares for self	488	354	134	(x)	(x)	(x)	(x)	(x)	(x)	488
Parent cares for child <sup>2</sup>	1,245	497	746	663	252	412	112	267	285	561
PERCENT DISTRIBUTION										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Care in child's home	17.8	14.8	23.0	31.0	24.4	41.6	37.3	32.7	27.0	11.6
By father	9.4	8.7	14.1	15.7	10.7	23.8	18.2	16.2	14.3	6.6
By grandparent	2.7	2.5	3.0	5.7	5.1	6.7	7.4	6.4	4.5	1.3
By other relative	3.0	3.2	2.7	3.7	3.6	4.0	3.2	4.5	3.3	2.7
By nonrelative	2.6	2.3	3.1	5.9	5.0	7.3	8.5	5.7	5.0	1.1
Care in another home	14.4	15.9	11.7	37.0	42.2	26.4	40.6	41.9	31.0	4.3
By grandparent	4.3	4.4	4.1	10.2	10.5	9.7	12.6	11.0	6.5	1.7
By other relative	1.8	1.7	1.9	4.5	4.2	5.0	5.1	4.0	4.7	.5
By nonrelative	8.3	9.8	5.7	22.3	27.5	13.8	23.0	26.8	17.7	2.1
Organized child care facilities	9.1	10.8	6.1	23.1	26.0	15.2	14.1	17.2	32.2	2.8
Day/group care center	5.4	8.3	3.9	14.0	16.5	9.6	8.4	12.3	17.8	1.6
Nursery school/preschool	3.7	4.5	2.2	9.1	11.5	5.3	5.7	5.0	14.4	1.2
Kindergarten/grade school	52.2	53.4	50.2	.6	.4	1.3	(x)	(x)	1.7	5.2
Child cares for self	1.8	2.1	1.4	(x)	(x)	(x)	(x)	(x)	(x)	2.7
Parent cares for child <sup>2</sup>	4.7	3.0	7.6	8.1	5.0	13.3	8.1	8.2	8.1	3.2

x Not applicable. <sup>1</sup> Full-time jobs comprise 35 hours or more per week. <sup>2</sup> Includes women working at home or away from home.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 9

## NO. 587. CHILD SUPPORT AND ALIMONY—SELECTED CHARACTERISTICS OF WOMEN: 1985

[Women as of spring 1985. Covers civilian noninstitutional population. Child support data are for women with own children under 21 years of age present from absent fathers. Alimony data are for ever-divorced and currently separated women. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation]

RECIPIENCY STATUS OF WOMEN	Unit	Total <sup>1</sup>	CURRENT MARITAL STATUS				RACE			AGE		
			Divorced	Married <sup>2</sup>	Single <sup>3</sup>	Separated	White	Black	Hispanic <sup>4</sup>	18 to 29 years	30 to 39 years	40 years and over
CHILD SUPPORT												
All women, total	1,000	8,988	3,046	2,322	2,899	1,263	6,341	2,310	813	2,867	3,814	2,307
Payments awarded <sup>5</sup>	1,000	5,398	2,482	1,904	370	587	4,476	839	342	1,286	2,547	1,561
Percent of total	Percent	61.3	51.8	82.0	18.4	43.1	70.6	36.3	42.1	44.6	70.5	67.7
Due child support payment in 1985	1,000	4,381	2,179	1,416	303	453	3,851	657	282	1,089	2,182	1,110
Received payment	1,000	3,243	1,837	870	231	382	2,722	473	182	777	1,605	861
Percent of due	Percent	74.0	75.1	68.6	76.2	84.3	74.6	72.0	68.1	71.3	73.6	77.8
Did not receive payment	1,000	1,236	641	447	72	71	929	184	90	312	578	246
Payments not awarded	1,000	3,411	553	416	1,836	776	1,865	1,471	471	1,569	1,066	746
Mean money income:												
Women received payments	Dollars	14,776	16,778	13,512	9,875	12,842	15,052	13,297	11,505	10,889	15,513	16,813
Mean child support	Dollars	2,215	2,536	1,986	1,147	2,082	2,294	1,754	2,011	1,467	2,397	2,562
Women did not receive payments	Dollars	10,637	12,580	9,821	(a)	(a)	10,854	10,477	9,430	6,406	11,553	14,730
Women not awarded payments	Dollars	7,998	11,375	6,495	6,247	9,065	8,746	6,908	6,308	5,323	10,068	10,770
Women with incomes below the poverty level in 1985, total	1,000	2,797	786	186	1,158	646	1,868	1,169	414	1,416	986	488
Payments awarded <sup>5</sup>	1,000	1,130	672	121	207	221	787	322	100	489	485	179
Received payments in 1985	1,000	595	301	50	123	116	411	174	43	241	258	96
Mean income from child support	Dollars	1,363	1,522	(a)	900	1,503	1,483	1,085	(a)	963	1,574	1,546
Did not receive payment	1,000	310	186	31	40	41	221	83	31	128	147	35
Payments not awarded	1,000	1,968	223	69	952	425	782	868	314	951	436	282
ALIMONY												
All women, total	1,000	18,158	4,000	7,381	(x)	2,610	16,038	2,798	1,198	3,817	5,878	10,882
Payments awarded <sup>5</sup>	1,000	2,803	1,368	1,018	(x)	281	2,539	220	132	216	818	1,989
Received payments in 1985	1,000	616	443	52	(x)	120	559	44	29	62	195	368
Mean income from alimony	Dollars	3,733	3,975	(a)	(x)	3,083	3,858	(a)	(a)	(a)	3,200	4,385
Did not receive payment	1,000	225	161	37	(x)	26	183	25	13	45	75	106
Payments not awarded	1,000	16,354	6,832	6,346	(x)	2,348	13,500	2,546	1,064	2,801	5,080	8,893
Women with incomes below the poverty level in 1985, total	1,000	2,716	1,800	834	(x)	1,062	2,678	973	410	881	1,080	1,774
Payments awarded	1,000	434	247	55	(x)	63	378	48	35	86	111	237
Percent of total	Percent	11.7	13.7	10.5	(x)	8.6	14.2	5.0	8.5	10.1	10.2	13.4

B Base less than 75,000. X Not applicable. <sup>1</sup> Includes other items, not shown separately. <sup>2</sup> Remarried women whose previous marriage ended in divorce. <sup>3</sup> Never-married women. <sup>4</sup> Hispanic women may be of any race. <sup>5</sup> Includes women who were not supposed to receive payments in 1985, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 152.

## NO. 588. COMMUNITY SERVICES USED BY PERSONS 65 YEARS OLD AND OVER, BY AGE GROUP AND LIVING ARRANGEMENT: 1984

[In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 41, 42, 174, and 175]

TYPE OF COMMUNITY SERVICE	Persons 65 years old and over	AGE GROUP				LIVING—	
		65-74 years old	75 years old and over	85 years old	85 years old and over	Alone	With others
Total (1,000)	26,433	16,388	10,146	6,349	1,937	6,387	19,986
Percent used—							
Senior center	15.2	14.5	16.3	17.0	13.5	21.3	12.3
Special transportation for elderly	4.6	3.2	6.4	6.5	6.1	9.1	2.3
Home nursing care	3.6	2.1	5.9	5.4	6.3	4.0	3.3
Percent ate meals in senior center	6.5	7.7	9.9	10.1	6.8	12.9	6.6

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

**NO. 599. PERCENT OF ADULT POPULATION DOING VOLUNTEER WORK: 1981 AND 1985**

[Covers persons 14 years old and over. Volunteers are persons who worked in some way to help others for no monetary pay during the previous year. Data for 1981 were collected in March 1981, and 1985 data were collected in October 1985 as part of Gallup Poll. Based on a sample and subject to sampling variability, see source. NA Not available]

AGE AND SEX	1981	1985	EDUCATIONAL ATTAINMENT AND HOUSEHOLD INCOME	1981	1985	TYPE OF ACTIVITY	1981	1985
	52	48	Grade school	28	29	Percent of volunteers involved in—		
14-17 years old	53	52	High school, 1-3 yrs	31	36	Religious organizations	37	48
18-24 years old	54	43	High school, 4 yrs	54	46	Education	23	27
25-34 years old	54	53	College, 1-3 yrs	65	51	Recreation	13	21
35-49 years old	55	54	College, 4 yrs. or more	75	65	Health	23	19
50-64 years old	44	44	Under \$10,000	36	40	Civil, social, fraternal organizations	12	17
65-74 years old	43	43	\$10,000-\$19,999	46	42	Social services, welfare	10	15
75 years old and over	37	26	\$20,000-\$39,999	64	52	Community action	12	8
Male	47	45	\$40,000-\$49,999	NA	44	Political organizations	12	8
Female	55	51	\$50,000 and over	62	60	Informal, alone	44	40
						General fund-raisers	12	23

Source: Independent Sector, Washington, DC, *Americans Volunteer 1985*, April 1985. (Copyright.)

**NO. 600. PRIVATE PHILANTHROPY FUNDS, BY SOURCE AND ALLOCATION: 1970 TO 1986**

[In billions of dollars. Estimates for sources of funds based largely on reports of the U.S. Internal Revenue Service for itemized deductions, corporate profits, and bequests. Data adjusted for nonitemized IRS deductions and after comparison with levels of gross national product, personal income, population, and publicly reported large bequests. For bases of allocation of funds, see source. See *Historical Statistics, Colonial Times to 1970*, series H 368-411, for similar but not comparable data]

SOURCE AND ALLOCATION	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total funds	21.8	28.8	32.1	36.3	38.6	43.7	46.7	55.5	60.8	65.0	73.3	79.8	87.2
Individuals	18.2	23.5	26.3	29.6	32.1	36.8	40.7	48.4	48.5	53.5	60.7	66.1	71.7
Foundations	1.9	1.7	1.9	2.0	2.2	2.4	2.8	3.1	3.2	3.6	4.0	4.3	5.2
Corporations	.8	1.2	1.5	1.8	2.1	2.3	2.4	2.5	2.9	3.3	3.8	4.3	4.5
Charitable bequests	2.1	2.2	2.4	3.0	2.6	2.2	2.9	3.5	5.5	4.5	4.9	5.2	5.8
Allocation:													
Religion	9.3	12.8	14.2	17.0	18.4	20.2	22.2	25.1	28.1	31.6	35.4	37.7	40.8
Health	3.4	4.2	4.8	5.0	5.4	6.1	6.7	7.7	8.4	9.2	10.3	11.3	12.3
Education	3.3	3.8	4.4	4.8	5.5	6.0	6.9	7.8	8.4	9.0	10.0	11.1	12.7
Human services	2.9	2.9	3.0	3.6	3.9	4.5	4.9	5.8	6.3	6.9	7.9	8.6	9.1
Arts, culture and humanities	7	1.6	2.3	2.3	2.4	2.7	3.2	3.7	5.0	4.0	4.5	5.1	5.8
Public/society benefit	.5	.8	1.0	1.2	1.1	1.2	1.5	1.8	1.7	1.8	1.9	2.2	2.4
Other	.9	2.6	2.4	2.5	2.4	3.0	3.5	3.9	2.2	2.7	3.3	3.9	4.0

Source: AAFRC Trust for Philanthropy, New York, NY, *Giving USA*, annual. (Copyright.)

**NO. 601. CHARITABLE CONTRIBUTIONS—SIZE OF CONTRIBUTIONS BY SELECTED CHARACTERISTICS OF POPULATION: 1984**

[Covers population 18 years old and over. Data exclude those respondents who (1) reported giving, but did not report a specific amount; (2) did not respond at all; and (3) reported "not sure or no answer" to particular questions. Based on a sample survey of 1,151 persons and subject to sampling variability; for details, see source]

AGE, MARITAL STATUS, AND HOUSEHOLD INCOME	Average income	MEAN CONTRIBUTION						PERCENT DISTRIBUTION BY SIZE OF CONTRIBUTION		
		Amount			As percent of income			Less than 5 per-cent of income	1-2 per-cent of income	3 or more per-cent of income
		Total	Religious char-ities	Other char-ities	Total	Religious char-ities	Other char-ities			
Total	\$27,308	9680	\$470	\$180	2.4	1.7	.7	31	43	26
18-30 years old	23,300	380	290	80	1.6	1.2	.3	41	40	19
30-34 years old	29,000	500	350	150	1.7	1.2	.5	24	45	31
35-49 years old	36,400	910	680	280	2.6	1.9	.7	31	44	25
50-64 years old	29,100	680	570	300	3.0	2.0	1.0	47	37	16
65 years old and over	14,900	400	340	70	2.7	2.3	.5	25	44	31
Single	22,900	310	190	120	1.4	.8	.5	41	44	15
Married	32,300	640	610	230	2.6	1.9	.7	31	47	22
Divorced/separated	18,000	420	250	160	2.1	1.3	.8	40	41	19
Widowed	13,800	430	360	80	3.1	2.6	.6	NA	NA	NA
Under \$20,000	12,200	270	220	50	2.2	1.8	.4	NA	NA	NA
Under \$10,000	5,700	170	130	30	3.0	2.3	.5	NA	NA	NA
\$10,000-19,999	14,700	340	280	60	2.3	1.9	.4	NA	NA	NA
\$20,000-39,999	29,000	630	480	150	2.2	1.7	.5	27	46	27
\$40,000-49,999	25,400	520	400	120	2.1	1.8	.5	NA	NA	NA
\$50,000-59,999	35,500	820	620	210	2.3	1.8	.8	NA	NA	NA
\$60,000 and over	58,500	1,540	980	560	2.7	1.8	1.0	17	45	38
\$40,000-49,999	44,700	1,080	780	310	2.4	1.7	.7	NA	NA	NA
\$50,000 and over	66,700	1,940	1,190	770	2.9	1.8	1.2	NA	NA	NA

NA Not available.

Source: Independent Sector, Washington, DC, *The Charitable Behavior of Americans, 1985*. (Copyright by The Rockefeller Brothers Fund.)

## NO. 602. FOUNDATIONS—NUMBER AND FINANCES BY ASSET SIZE

[Figures are for latest year reported by foundations, usually 1984 or 1985. Covers nongovernment nonprofit organizations with funds and programs managed by their own trustees or directors, whose goal was to maintain or aid social, educational, religious, or other activities deemed to serve the common good. Excludes organizations which make general appeals to the public for funds, act as trade associations for industrial or other special groups, or do not currently award grants. <sup>2</sup> Less than .5 percent]

ASSET SIZE	Number	Assets (mil. dol.)	Expenditures (mil. dol.)	Grants (mil. dol.)	Gifts received (mil. dol.)	PERCENT DISTRIBUTION				
						Number	Assets	Expenditures	Grants	Gifts received
Total	24,899	74,048	6,328	5,043	3,369	100	100	100	100	100
Under \$50,000	7,744	127	231	200	149	31	(2)	4	4	4
\$50,000-\$99,999	2,714	197	70	84	49	11	(2)	1	1	1
\$100,000-\$249,999	4,208	880	137	125	103	17	1	2	2	3
\$250,000-\$499,999	2,908	1,040	181	183	128	12	1	3	3	4
\$500,000-\$999,999	2,427	1,725	288	237	196	10	2	4	6	6
\$1,000,000-\$4,999,999	3,247	7,255	834	709	587	13	10	13	14	17
\$5,000,000-\$9,999,999	670	4,671	528	456	326	3	6	8	9	10
\$10,000,000-\$49,999,999	733	14,983	1,348	1,124	745	3	20	22	22	22
\$50,000,000-\$99,999,999	109	7,819	685	531	332	(2)	11	11	11	11
\$100,000,000 or more	99	35,553	1,937	1,440	744	(2)	48	31	29	22

Source: The Foundation Center, New York, NY, *The National Data Book*, 11th edition, 1987

## NO. 603. FOUNDATIONS—GRANTS REPORTED, BY SUBJECT FIELD AND RECIPIENT ORGANIZATION: 1982 TO 1986

[Number and type of foundations reporting varies from year to year. Covers grants of \$5,000 or more in size. For 1985, based on reports of 469 foundations which represented about 44 percent of all grant dollars awarded by private foundations. For definition of foundation, see headnote, table 602]

SUBJECT FIELD AND RECIPIENT ORGANIZATION	NUMBER OF GRANTS					AMOUNT						
	1982	1983	1984	1985	1986	Total (mil. dol.)					Percent distribution	
						1982	1983	1984	1985	1986	1982	1986
Total <sup>1</sup>	27,121	32,185	35,040	35,329	40,548	1,490	1,793	1,847	2,013	2,217	100.0	100.0
Welfare	9,014	10,980	11,174	12,186	13,491	387	509	454	523	586	25.9	26.4
Health	4,584	5,347	5,911	6,009	6,488	312	390	391	474	454	20.9	20.5
Education	5,145	5,775	6,099	6,059	7,057	356	286	286	338	485	23.5	21.9
Culture	4,435	5,151	5,542	5,246	7,334	209	277	229	294	327	14.0	14.7
Science	1,844	2,043	2,148	2,268	2,455	86	161	123	177	142	5.4	6.4
Social science	1,704	2,225	2,354	2,852	3,138	102	132	125	189	195	6.8	8.8
Religion	595	654	612	702	583	25	36	36	36	27	1.8	1.3
Educational institutions	8,316	9,454	9,987	9,739	11,294	634	606	578	716	851	42.5	38.4
Direct service agencies	7,981	9,000	9,673	11,147	12,875	277	403	354	418	453	18.5	21.8
Hospitals and medical care facilities	1,680	1,896	1,903	1,984	2,033	120	130	114	140	138	8.1	8.2
Research institutes	1,101	1,357	1,453	1,883	2,174	77	185	147	189	201	5.2	9.1
Associations and profess. societies	2,600	3,599	3,904	4,598	5,242	95	134	148	186	215	6.3	9.7
Museums and historical societies	1,134	1,258	1,300	1,501	1,824	86	88	91	115	125	5.8	5.6
Performing arts group	1,668	1,910	2,031	2,343	2,721	61	82	78	87	95	4.1	4.3
Government agencies	899	835	847	921	1,141	47	46	52	89	71	3.2	3.2
Community funds	718	993	1,079	959	1,251	43	60	65	67	80	2.9	3.6
Libraries	370	378	421	493	570	27	37	25	63	66	1.8	3.1
Churches and temples	572	539	745	682	542	25	24	23	26	19	1.7	.9

<sup>1</sup> Grants may be awarded to multiple types of recipient organizations and would thereby be double-counted.

Source: The Foundation Center, New York, NY, *Foundation Grants Index*, annual.

## NO. 604. CORPORATE PHILANTHROPY—BENEFICIARIES: 1975 TO 1985

[In millions of dollars, except percent. Based on a sample of corporations that gave at least \$100,000; see source]

BENEFICIARY	1975	1977	1979	1980	1981	1982	1983	1984	1985	
									Total	Percent of total
Total <sup>1</sup>	436.6	593.9	635.8	664.6	1,170.8	1,391.5	1,276.4	1,444.3	1,884.7	100.0
Health and human services <sup>2</sup>	180.0	227.6	292.6	337.9	393.3	397.3	367.6	399.9	494.1	26.2
Federated drives	104.6	129.5	(NA)	170.7	(NA)	182.4	(NA)	193.9	(NA)	(NA)
Other local health, human services	20.5	25.0	(NA)	41.7	(NA)	44.8	(NA)	71.2	(NA)	(NA)
Education <sup>3</sup>	158.4	220.0	314.9	375.8	429.8	522.2	496.8	581.7	650.0	34.5
Dept. and research grants <sup>2</sup>	23.8	31.6	(NA)	64.7	(NA)	114.6	(NA)	175.3	(NA)	(NA)
Employee matching gifts <sup>2</sup>	14.0	22.4	(NA)	45.4	(NA)	71.2	(NA)	72.2	(NA)	(NA)
Unrestricted operating grants <sup>2</sup>	29.1	34.8	(NA)	56.0	(NA)	57.4	(NA)	36.7	(NA)	(NA)
Culture and art	33.0	53.2	82.5	108.7	139.6	145.8	145.2	154.7	187.5	11.1
Civic, community activities <sup>2</sup>	45.2	68.3	87.3	116.8	138.6	149.3	188.8	271.6	279.5	14.8
Community improvement	15.2	26.3	(NA)	47.0	(NA)	48.2	(NA)	62.0	(NA)	(NA)
Environment; ecology	7.5	15.1	(NA)	10.8	(NA)	13.6	(NA)	97.1	(NA)	(NA)

NA Not available. <sup>1</sup> Includes other beneficiaries not shown separately. <sup>2</sup> Higher education institutions.

Source: Flatau, Linda Cardillo, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY, (Copyright)



## Section 13

# Labor Force, Employment and Earnings

This section presents data on the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor. The chief source of these data is the Current Population Survey conducted by the U.S. Bureau of the Census. Comprehensive historical data are published by the Bureau of Labor Statistics (BLS) in *Labor Force Statistics Derived From the Current Population Survey: A Databook*, *BLS Bulletin 2096* and its supplement, and the *Handbook of Labor Statistics*. These volumes are supplemented on a current basis by the BLS monthly publications *Employment and Earnings* and the *Monthly Labor Review*. Detailed data on the labor force are also available from the Census Bureau's decennial census of population.

**Types of data.**—Most statistics in this section are obtained by two methods: household interviews or questionnaires, and reports of establishment payroll records. Each method provides data which the other cannot suitably supply. Population characteristics, for example, are readily obtainable only from the household survey, while detailed industrial classifications can be readily derived only from establishment records.

Household data are obtained from a monthly sample survey of the population. The Current Population Survey (CPS) is used to gather data for the week including the 12th of the month, and provides current comprehensive data on the labor force (see text, section 1). The CPS provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, according to the job at which they work the most hours during the survey week.

Monthly data from the CPS are published by the Bureau of Labor Statistics in *Employment and Earnings* and the related reports mentioned above. Data presented include national totals by sex, race, Hispanic origin, and age, of the number of persons in the civilian labor force; the number employed, hours of work; industry and occupational groups; and the number unemployed, reasons for, and duration of unemployment. Monthly data from the CPS are also presented for 11 large States, New York City and the Los Angeles-Long Beach MSA. Annual data shown in this section are averages of monthly figures for each calendar year, unless otherwise specified.

In addition to monthly data, the CPS also produces annual estimates of employment and unemployment for each State, 50 large metropolitan statistical areas and selected cities. These estimates are published by BLS in its annual *Geographic Profile of Employment and Unemployment*. More detailed geographic data (e.g., for counties and cities) are provided by the decennial population censuses.

Data based on establishment records are compiled by BLS and cooperating State agencies as part of an ongoing Current Employment Statistics Program. Data, gathered from a sample of employers who voluntarily complete mail questionnaires monthly, are supplemented by data from other government agencies and adjusted at intervals to data from government social insurance program reports. The estimates exclude proprietors of unincorporated firms, self-employed persons, private household workers, unpaid family workers, agricultural workers, and the Armed Forces. In March 1986, reporting establishments employed 10 million manufacturing workers (53 percent of the total manufacturing employment at the time), 15 million workers in nonmanufacturing industries (25 percent of the total in nonmanufacturing), and 12 million Federal, State, and local government employees (73 percent of total government).

The establishment survey counts workers each time they appear on a payroll during the reference week (as with the CPS, the week including the 12th of the month). Thus, unlike the CPS, a person with two jobs is counted twice. The establishment survey is designed to provide detailed industry information for the Nation, States, and metropolitan areas on nonagricultural wage and salary employment, average weekly hours, and average hourly and weekly earnings. Establishment survey data are published in *Employment and Earnings* and the *Monthly Labor Review*, cited above. Historical national and geographic data are published in *BLS Bulletin 1312-12, Employment, Hours, and Earnings, United States, 1909-84* and *Bulletin 1370-17, Employment, Hours, and Earnings, 1939-82* (data for States), and their supplements, and in the *Handbook of Labor Statistics*.

**Labor force.**—According to the CPS definitions, the civilian labor force comprises all civilians in the noninstitutional population 16 years and over classified as “employed” or “unemployed” according to the criteria below: Employed civilians comprise (a) all civilians, who, during the reference week, did any work for pay or profit (minimum of an hour’s work) or worked 15 hours or more as unpaid workers in a family enterprise, and (b) all civilians who were not working but who had jobs or businesses from which they were temporarily absent for noneconomic reasons (illness, weather conditions, vacation, labor-management dispute, etc.). Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous four weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week. Persons on layoff from a job or waiting to report to a new job within 30 days are also classified as unemployed if they are available for work. All other persons, 16 years old and over, are “not in the labor force.” The labor force includes, in addition to the civilian employed and unemployed, members of the Armed Forces stationed in the United States. They are also included in the employed totals.

Beginning in 1982, changes in the estimation procedures and the introduction of 1980 census data caused substantial increases in the population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, were essentially unchanged. In order to avoid major breaks in series, some 30,000 labor force series were adjusted back to 1970. The effect of the 1982 revisions on various data series and an explanation of the adjustment procedure used are described in “Revisions in the Current Population Survey in January 1982,” in the February 1982 issue of *Employment and Earnings*. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1978, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1985, the CPS estimation procedure was revised due to the implementation of a new sample design. A description of the changes and an indication of their effect on the national estimates of labor force characteristics appear in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of *Employment and Earnings*. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin, which were revised to the extent possible, back to January 1980.

Beginning in January 1986, the CPS estimation procedure was revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. The revisions had a comparatively small effect on the total population and labor force estimates, but their effect on the estimates of persons of Hispanic origin was more pronounced. As a result, data for Hispanics, to the extent possible, were again revised back to January 1980. An explanation of the changes and their effect on estimates of labor force characteristics appears in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of *Employment and Earnings*.

**Hours and earnings.**—Average hourly earnings, based on establishment data, are gross earnings (i.e., earnings before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received. Wages and salaries from the CPS consist of total monies received for work performed by an employed during the income year. It includes wages, salaries, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, union dues, etc. Persons who worked 35 hours or more are classified as working full time (see table 614).

**Industrial and occupational groups.**—Establishments responding to the establishment survey are classified into industries on the basis of their principal product or activity (determined by annual sales volume) in accordance with the Standard Industrial Classification (SIC) Manual, Office of Management and Budget; 1972 is the latest issue. The SIC is a classification structure for the entire national economy. The structure provides data on a division and industry code basis, according to the level of industrial detail. For example, manufacturing is a major industrial division, food and kindred products (code 20) is one of its major groups. One of the ways this group is further divided is into meat products (code 201) and meat packing plants (code 2011). Periodically, the SIC is revised to reflect changes in the industrial composition of the economy. (A revised SIC Manual is forthcoming which will update the industry structure as of 1982).

Industry data derived from the CPS beginning in January 1983 utilize the industrial classification developed for the 1980 Census of Population. CPS data from 1971 to 1982 were based on the 1970 census classification system. Both population census systems are developed from the SIC. The 1970 system is based on the 1987 SIC, whereas, the 1980 system relates to the 1972 edition. Most of the industry categories were not affected by the change in classification.



The occupational classification system used in the 1980 census and in the CPS beginning in January 1983, evolved from the 1980 Standard Occupational Classification (SOC) system, first introduced in 1977. Occupational categories used in the 1980 census classification system are so radically different from the 1970 census system used in the CPS through 1982, that their implementation represented a break in historical data series. In cases where data have not yet been converted to the 1980 classifications and still reflect the 1970 classifications (e.g., table 655), comparisons between the two systems should not be made. To help users bridge the data gap, a limited set of estimates was developed for the 1972-1982 period based on the new classifications. The estimates were developed by means of applying conversion factors created by double coding a 20-percent sample of CPS occupational records for 6 months during 1981-82.—For further details, contact BLS.

**Productivity**—The Bureau of Labor Statistics (BLS) publishes data on productivity as measured by output per hour (labor productivity), output per combined unit of labor and capital input (multifactor productivity), and, for manufacturing industries, output per combined unit of capital, labor, energy, materials, and purchased service inputs. Labor productivity and related indexes are published for the business sector as a whole and its major subsectors: nonfarm business, manufacturing, nonfinancial corporations, 146 specific industries, and various functional areas of the Federal civilian government. Multifactor productivity and related measures are published for the private business sector and its major subsectors. Productivity indexes which take into account capital, labor, energy, materials, and service inputs are published for the 20 major 2-digit industry groups which comprise the manufacturing sector, and for the steel and motor vehicle industries. The major sector data are published in the BLS quarterly news release, *Productivity and Costs* and in the annual *Multifactor Productivity Measures* release. The specific industry productivity measures are published annually in the BLS Bulletin, *Productivity Measures for Selected Industries*, and the *Handbook of Labor Statistics*. Detailed information on methods, limitations, and data sources appears in the BLS *Handbook of Methods*, BLS Bulletin 2134-1 (1982), chapters 13 and 14.

**Unions**.—As defined here, unions include traditional labor unions and employee associations similar to labor unions. Data on union membership status provided by BLS are for employed wage and salary workers and relate to their principal job. Earnings by union membership status are usual weekly earnings of full-time wage and salary workers. The information is collected through the Current Population Survey. For a full description of the method of collection and comparability with earlier data, see "New Data on Union Members and Their Earnings" in the January 1985 issue of *Employment and Earnings*, and "Changing Employment Patterns of Organized Workers" in the February 1985 issue of the *Monthly Labor Review*. Collective bargaining settlements data are available for bargaining situations involving 1,000 or more workers in private industry and State and local government.

Recently, the *Union Sourcebook*, an annual publication by Leo Troy and Neil Sheflin of Rutgers University, has provided alternative estimates of union membership (see table 666). Due to differences in concept, method, scope, and reference period, BLS indicates a somewhat lower membership figure than does the *Sourcebook*. For example, BLS data are based on a sample survey and are subject to sampling error, while the *Sourcebook* data are figures covering all known labor organizations and are derived largely from financial reports of labor organizations. For a detailed discussion of the methodology used in the *Sourcebook* and differences with BLS data, see the *Sourcebook*.

**Work stoppages**.—Work stoppages include all strikes and lockouts known to BLS which last for at least one full day or shift and involve 1,000 or more workers. All stoppages, whether or not authorized by a union, legal or illegal, are counted. Excluded are work slowdowns and instances where employees report to work late, or leave early, to attend mass meetings or mass rallies.

**Seasonal adjustment**.—Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation (e.g., climate or school openings and closings), it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but also are affected by the uncertainties of the adjustment process itself.

**Statistical reliability**.—For discussion of statistical collection, estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau and BLS data, see Appendix III.

**Historical statistics**.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs)**.—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.



### No. 605. EMPLOYMENT STATUS OF THE NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER: 1950 TO 1986

(In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix M. See also *Historical Statistics, Colonial Times to 1970*, series D 11-19 and D 85-88)

YEAR	Noninstitutional population	LABOR FORCE								Not in labor force
		Number	Employed					Unemployed		
			Total	Resident Armed Forces	Civilian			Number	Percent of labor force <sup>1</sup>	
					Total	Agriculture	Non agriculture industries			
1950	106,164	63,377	80,087	1,160	58,916	7,160	51,756	3,260	5.2	42,787
1955	111,747	67,067	84,234	2,064	62,170	6,450	55,722	2,852	4.3	44,880
1960	119,106	71,489	87,639	1,861	65,778	5,450	60,318	3,862	5.4	47,617
1965	128,459	78,401	93,034	1,846	71,088	4,361	66,726	3,306	4.4	52,058
1970	139,203	84,889	98,798	2,118	76,678	3,463	73,215	4,093	4.8	54,215
1975	154,831	95,452	107,524	1,876	85,646	3,408	82,238	7,929	8.3	59,377
1976	157,618	97,826	109,420	1,868	86,552	3,331	83,221	7,406	7.6	59,991
1977	160,889	100,865	111,373	1,856	92,017	3,263	88,754	8,991	8.9	60,026
1978	163,541	103,882	114,279	1,831	96,048	3,367	92,681	6,202	6.0	59,659
1979	166,460	106,559	117,421	1,587	98,834	3,347	95,477	6,187	5.8	59,900
1980	169,349	108,544	119,907	1,804	99,303	3,364	95,939	7,637	7.0	60,806
1981	171,775	110,315	121,042	1,845	100,397	3,368	97,030	8,273	7.5	61,480
1982	173,939	111,872	121,194	1,866	99,328	3,401	95,927	10,676	8.5	62,067
1983	175,891	113,226	122,510	1,876	100,634	3,383	97,251	10,717	8.5	62,665
1984	178,080	115,241	125,702	1,897	105,005	3,321	101,685	8,539	7.4	62,839
1985	179,912	117,167	128,856	1,708	107,150	3,179	103,971	8,312	7.1	62,744
1986	182,293	119,540	131,303	1,708	109,597	3,163	106,434	8,237	6.9	62,752
PERCENT DISTRIBUTION										
1950	100.0	59.7	58.6	1.1	55.5	6.7	48.8	3.1	(X)	40.3
1960	100.0	60.0	58.6	1.6	55.2	4.6	50.6	3.2	(X)	40.0
1970	100.0	61.0	58.0	1.5	58.5	2.5	54.0	2.9	(X)	39.0
1980	100.0	64.1	59.6	.9	58.8	2.0	56.7	4.5	(X)	35.9
1986	100.0	65.6	61.1	.9	60.1	1.7	58.4	4.5	(X)	34.4

X Not applicable. <sup>1</sup> Unemployment as a percent of the labor force, including resident Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

### No. 606. SELECTED WORKLIFE INDICES BY SEX, RACE, AND EDUCATIONAL ATTAINMENT: 1970-1980

(In years, except percent. For the civilian noninstitutional population. For methodological details, see source)

INDEX AND AGE	MALE						FEMALE					
	Total	Race		Educational attainment			Total	Race		Educational attainment		
		White	Black and other	Less than high school	High school to 14 years	15 years or more		White	Black and other	Less than high school	High school to 14 years	15 years or more
<b>Life expectancy:</b>												
At birth.....	70.0	70.7	65.3	70.0	70.0	70.0	77.5	78.3	73.9	77.6	77.8	77.8
At age 25.....	47.3	47.8	43.3	47.3	47.3	47.3	54.2	54.7	51.0	54.2	54.2	54.2
At age 60.....	17.5	17.5	16.5	17.5	17.5	17.5	22.4	22.6	21.0	22.4	22.4	22.4
At age 65.....	14.2	14.3	13.6	14.2	14.2	14.2	18.5	18.7	17.7	18.5	18.5	18.5
<b>Worldlife expectancy:</b>												
At birth.....	38.8	38.8	32.9	34.6	38.8	41.1	29.4	29.7	27.4	22.9	30.1	34.8
At age 25.....	33.1	33.8	28.6	29.2	33.6	36.1	24.0	24.1	23.5	17.9	24.4	27.8
At age 60.....	4.4	4.5	3.3	3.3	4.7	6.3	3.0	3.0	3.0	2.3	3.3	3.5
At age 65.....	2.3	2.3	1.8	1.8	2.4	3.6	1.5	1.5	1.5	1.2	1.8	1.9
<b>Percent of life economically active:</b> <sup>1</sup>												
From birth.....	55.4	56.3	50.4	49.4	57.0	56.7	37.9	37.9	37.1	28.7	38.8	46.9
From age 25.....	70.0	70.8	66.1	61.7	71.5	76.3	44.3	44.1	46.1	33.0	45.0	51.5
From age 60.....	25.1	25.6	20.0	16.9	26.9	36.0	13.4	13.3	14.3	10.9	14.7	16.8
From age 65.....	16.2	16.1	13.0	12.7	16.9	25.4	8.1	8.0	8.5	6.5	8.7	9.7
<b>Number of times person enters labor force per</b>												
Person born.....	3.9	3.9	4.3	4.3	3.7	4.6	5.5	5.6	5.4	5.8	5.6	5.9
Person age 25.....	1.5	1.5	1.8	2.0	1.5	1.8	3.0	3.0	3.1	3.3	3.2	3.7
<b>Expected duration per entry remaining:</b> <sup>2</sup>												
From birth.....	8.9	10.2	7.7	8.0	10.8	8.9	5.3	5.3	6.1	3.8	6.4	6.2
From age 25.....	22.1	22.5	15.9	14.5	22.5	25.8	8.0	8.0	7.6	5.4	7.8	10.3
<b>Number of times person voluntarily leaves labor force:</b>												
From birth.....	3.6	3.6	3.8	4.0	3.6	4.5	5.4	5.5	5.4	5.7	5.7	4.7
From age 25.....	2.3	2.3	2.4	2.7	2.3	2.2	3.8	3.8	3.7	3.8	4.0	3.8

<sup>1</sup> Ratio of worldlife expectancy to life expectancy. <sup>2</sup> Worldlife expectancy divided by number of times person enters labor force.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, August 1986.

**NO. 607. EMPLOYMENT STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER BY SEX, RACE, AND HISPANIC ORIGIN: 1960 TO 1986**

(In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey, see text, section 1, and Appendix III for methodology. See also *Historical Statistics, Colonial Times to 1970, Series D 11-16 and D 66-68*)

YEAR, SEX, RACE, AND HISPANIC ORIGIN	Civilian noninstitutional population	CIVILIAN LABOR FORCE						NOT IN LABOR FORCE	
		Total	Percent of population	Employed	Employment/population ratio <sup>1</sup>	Unemployed		Number	Percent of population
						Number	Percent of labor force		
<b>Total:</b>									
1960	117,246	66,628	56.4	66,776	56.1	3,852	5.5	47,817	40.6
1965	126,513	74,455	58.9	71,086	56.2	3,368	4.5	52,058	41.1
1970	137,086	82,771	60.4	78,878	57.4	4,093	4.9	54,316	39.6
1975	153,153	93,775	61.2	86,846	56.1	7,929	8.5	58,377	38.8
1978	161,910	102,251	63.2	96,048	59.3	6,202	6.1	59,659	36.8
1979	164,863	104,862	63.7	96,824	58.8	6,137	5.8	59,900	36.3
1980	167,745	106,940	63.8	99,303	59.2	7,637	7.1	60,808	36.2
1981	170,130	108,670	63.9	100,397	59.0	8,273	7.6	61,480	36.1
1982	172,271	110,204	64.0	99,526	57.8	10,678	9.7	62,067	36.0
1983	174,215	111,550	64.0	100,634	57.8	10,717	9.6	62,865	36.0
1984	176,363	113,544	64.4	105,005	59.5	8,539	7.5	62,839	36.6
1985	178,206	115,481	64.8	107,150	60.1	8,312	7.2	62,744	36.2
1986	180,587	117,834	65.3	108,587	60.7	8,237	7.0	62,752	34.7
<b>Male:</b>									
1960	55,882	46,388	83.3	43,904	78.9	2,486	5.4	9,274	16.7
1965	59,782	48,255	80.7	46,340	77.5	1,914	4.0	11,527	19.3
1970	64,304	51,228	78.7	48,690	76.2	2,236	4.4	13,076	20.3
1975	72,291	58,299	77.9	51,857	71.7	4,442	7.9	15,993	22.1
1978	76,576	59,620	77.9	56,479	73.8	3,142	5.3	16,966	22.1
1979	78,020	60,726	77.8	57,807	73.8	3,120	5.1	17,293	22.2
1980	79,369	61,453	77.4	57,186	72.0	4,267	6.9	17,945	22.7
1981	80,511	61,974	77.0	57,397	71.3	4,577	7.4	18,537	23.0
1982	81,523	62,450	76.6	56,271	69.0	6,179	9.9	18,073	22.4
1983	82,531	63,047	76.4	56,787	68.8	6,260	9.9	18,484	22.6
1984	83,805	63,835	76.4	58,091	70.7	4,744	7.4	18,771	22.6
1985	84,489	64,411	76.3	59,081	70.8	4,521	7.0	20,066	23.7
1986	85,798	65,422	76.3	60,892	71.0	4,530	6.9	20,376	23.7
<b>Female:</b>									
1960	61,582	23,240	37.7	21,874	35.6	1,366	5.9	26,343	62.3
1965	66,731	26,200	39.3	24,748	37.1	1,452	5.5	40,531	60.7
1970	72,782	31,543	43.3	29,688	40.6	1,855	5.9	41,239	56.7
1975	80,860	37,475	46.3	33,989	42.0	3,486	9.3	43,396	53.7
1978	85,334	42,631	50.0	39,589	46.4	3,041	7.2	42,703	50.0
1979	86,843	44,235	50.9	41,217	47.5	3,018	6.8	42,608	49.1
1980	88,348	45,487	51.5	42,117	47.7	3,370	7.4	42,861	48.5
1981	89,616	46,866	52.1	43,000	48.0	3,866	7.9	42,922	47.8
1982	90,748	47,755	52.6	43,256	47.7	4,499	9.4	42,993	47.4
1983	91,684	48,503	52.9	44,047	48.0	4,457	9.2	43,181	47.1
1984	92,778	49,706	53.6	45,915	49.5	3,794	7.6	43,068	46.4
1985	93,736	51,050	54.5	47,256	50.4	3,791	7.4	42,886	45.5
1986	94,789	52,413	55.3	48,708	51.4	3,707	7.1	42,376	44.7
<b>White:</b>									
1960	105,282	61,915	58.8	58,850	56.9	3,065	5.0	43,367	41.1
1965	113,284	66,137	58.4	63,445	56.0	2,691	4.1	47,147	41.6
1970	122,174	73,556	60.2	70,217	57.5	3,339	4.5	48,618	39.8
1975	134,790	82,631	61.5	76,411	56.7	6,421	7.8	51,959	38.5
1978	141,612	88,634	63.3	84,936	60.0	4,698	5.2	51,978	36.7
1979	143,894	91,923	63.9	87,258	60.6	4,664	5.1	51,971	36.1
1980	146,122	93,600	64.1	87,715	60.0	5,884	6.3	52,522	35.9
1981	147,908	95,052	64.3	88,706	60.0	6,343	6.7	52,856	35.7
1982	149,441	96,143	64.3	87,903	58.8	8,241	8.6	53,296	35.7
1983	150,805	97,021	64.3	88,693	58.9	8,126	8.4	53,784	35.7
1984	152,347	98,492	64.6	92,120	60.5	6,372	6.5	53,855	35.4
1985	153,679	99,926	65.0	93,736	61.0	6,191	6.2	53,753	35.0
1986	155,432	101,801	65.5	95,080	61.5	6,140	6.0	53,631	34.5
<b>Black:</b>									
1973	14,917	6,976	60.2	6,128	54.5	848	9.4	5,941	39.8
1975	15,751	9,263	58.8	7,894	50.1	1,369	14.6	6,488	41.2
1978	18,970	10,432	61.5	9,102	53.6	1,330	12.8	6,538	38.5
1979	17,397	10,578	61.4	9,359	53.9	1,319	12.3	6,719	38.6
1980	17,824	10,886	61.0	9,313	52.2	1,553	14.3	6,959	39.0
1981	18,219	11,086	60.8	9,355	51.3	1,731	15.6	7,133	39.2
1982	18,584	11,331	61.0	9,189	49.4	2,142	18.9	7,254	39.0
1983	18,925	11,647	61.5	9,375	49.5	2,272	19.5	7,276	38.5
1984	19,348	12,033	62.2	10,119	52.3	1,914	15.9	7,315	37.8
1985	19,864	12,364	62.9	10,501	53.4	1,864	15.1	7,299	37.1
1986	19,986	12,654	63.3	10,814	54.1	1,840	14.5	7,335	36.7
<b>Hispanic:<sup>2</sup></b>									
1960	9,598	6,146	64.0	5,527	57.6	620	10.1	3,452	36.0
1961	10,120	6,492	64.1	5,813	57.4	678	10.4	3,628	36.8
1962	10,580	6,734	63.6	5,805	54.9	929	13.8	3,646	36.4
1963	11,029	7,033	63.8	6,072	55.1	961	13.7	3,996	36.2
1964	11,478	7,451	64.9	6,051	57.9	800	10.7	4,027	35.1
1965	11,915	7,889	66.2	6,888	57.8	811	10.5	4,217	35.4
1966	12,344	8,078	65.4	7,219	58.5	857	10.6	4,268	34.6

<sup>1</sup> Civilian employed as a percent of the civilian noninstitutional population.  
<sup>2</sup> Hispanic persons may be of any race.

<sup>3</sup> Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

# NO. 608. CIVILIAN LABOR FORCE AND PARTICIPATION RATES, BY RACE, SEX, AND AGE, 1970 TO 1986, AND PROJECTIONS, 1986 AND 2000

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Rates are based on annual average civilian noninstitutional population of each specified group and represent proportion of each specified group in the civilian labor force. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 42-48.]

RACE, SEX, AND AGE	CIVILIAN LABOR FORCE (millions)							PARTICIPATION RATE (percent)						
	1970	1975	1980	1985	1986	1986	1986	1970	1975	1980	1985	1986	1986	1986
Total <sup>1</sup>	82.8	93.8	108.8	118.5	117.8	131.8	138.8	60.4	61.2	63.8	64.8	65.3	67.2	67.8
White	73.8	82.8	93.8	99.9	101.8	111.7	116.7	60.2	61.5	64.1	65.0	65.5	67.5	68.2
Male	48.0	50.3	54.5	56.5	57.2	60.5	62.3	60.0	78.7	78.2	77.0	76.9	75.9	75.3
Female	27.8	32.5	39.1	43.5	44.6	51.2	54.4	42.8	45.9	51.2	54.1	55.0	59.7	61.5
Black <sup>2</sup>	9.2	9.3	10.9	12.4	12.7	15.1	16.3	61.8	58.8	61.0	62.9	63.3	65.6	66.0
Male	5.2	5.0	5.8	6.2	6.4	7.4	7.9	76.5	71.0	70.8	70.8	71.2	71.4	70.7
Female	4.0	4.2	5.3	6.1	6.3	7.7	8.4	49.5	48.9	53.2	58.5	58.9	60.9	62.1
Hispanic <sup>3</sup>	(NA)	(NA)	8.1	7.7	8.1	11.8	14.1	(NA)	(NA)	64.0	64.6	65.4	69.7	68.7
Male	(NA)	(NA)	3.8	4.7	4.9	7.0	8.3	(NA)	(NA)	81.4	80.3	81.0	80.9	80.4
Female	(NA)	(NA)	2.3	3.0	3.1	4.7	5.8	(NA)	(NA)	47.4	48.3	50.1	54.7	58.9
Male	61.2	58.3	61.5	64.4	65.4	70.4	73.1	79.7	77.9	77.4	78.3	78.3	75.3	74.7
16-19 years	4.0	4.8	5.0	4.1	4.1	4.0	4.5	56.1	59.1	60.5	58.8	58.4	58.5	60.2
16 and 17 years	1.8	2.1	2.1	1.7	1.7	1.7	1.9	47.0	48.8	50.1	48.1	48.3	47.4	47.7
18 and 19 years	2.2	2.7	2.9	2.5	2.4	2.3	2.6	66.7	70.8	71.3	68.9	68.3	70.7	72.2
20-24 years	5.7	7.8	8.8	8.3	8.1	8.9	7.0	83.3	84.5	85.9	85.0	85.8	86.6	87.5
25-34 years	11.3	14.2	17.0	18.8	19.4	18.4	18.6	98.4	95.2	95.2	94.7	94.6	93.9	93.6
35-44 years	10.5	10.4	11.8	14.5	15.0	18.4	20.1	96.9	95.6	95.5	95.0	94.8	94.1	93.9
45-54 years	10.4	10.4	9.9	9.9	10.0	13.7	16.3	94.3	92.1	91.2	91.0	91.0	90.8	90.1
55-64 years	7.1	7.0	7.2	7.1	7.0	6.4	7.2	83.0	75.8	72.1	67.9	67.3	64.0	63.2
65 years and over	2.2	1.9	1.9	1.8	1.8	1.8	1.4	28.8	21.8	19.0	15.8	16.0	11.9	9.9
Female	31.5	37.5	45.5	51.1	52.4	61.2	65.8	43.3	46.3	51.5	54.5	55.3	59.8	61.5
16-19 years	3.2	4.1	4.4	3.8	3.8	3.8	4.4	44.0	49.1	52.9	52.1	53.0	57.2	58.2
16 and 17 years	1.3	1.7	1.8	1.5	1.5	1.7	1.8	34.9	40.2	43.6	42.1	43.7	48.3	48.3
18 and 19 years	1.9	2.4	2.6	2.3	2.2	2.2	2.5	53.5	58.1	61.9	61.7	62.3	66.3	68.6
20-24 years	4.9	8.2	7.3	7.4	7.3	6.5	6.7	57.7	64.1	66.9	71.8	72.4	76.4	78.4
25-34 years	6.7	8.7	12.3	14.7	15.2	16.0	15.1	45.0	54.9	65.5	70.9	71.6	76.2	82.3
35-44 years	8.0	8.5	8.8	11.8	12.2	17.1	16.4	51.1	56.8	66.5	71.8	73.1	81.0	84.2
45-54 years	8.5	8.7	7.0	7.5	7.7	11.8	14.2	54.4	54.8	58.9	64.4	65.9	72.7	76.4
55-64 years	4.2	4.3	4.7	4.9	4.9	4.9	5.7	43.0	40.8	41.3	42.0	42.3	44.3	45.8
65 years and over	1.1	1.0	1.2	1.2	1.2	1.2	1.0	9.7	8.2	8.1	7.3	7.4	6.2	5.1

NA: Not available. <sup>1</sup> Beginning 1975, includes other races not shown separately. <sup>2</sup> For 1970, Black and other. <sup>3</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; *Monthly Labor Review*, September 1987; and unpublished data.

## NO. 609. CIVILIAN LABOR FORCE—PERCENT DISTRIBUTION, BY SEX AND AGE: 1980 TO 1986

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series D 29-41, for similar but not exactly comparable data.]

YEAR AND SEX	Civilian labor force (1,000)	PERCENT DISTRIBUTION						
		16-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 yr. and over
Total: 1980	69,628	7.0	8.8	20.7	23.4	21.3	13.5	4.8
1985	74,455	7.9	11.1	19.1	22.6	21.2	13.9	4.2
1970	82,771	8.8	12.8	20.8	19.9	20.5	13.8	3.9
1975	93,775	8.5	14.7	24.4	18.0	18.2	12.1	3.2
1980	108,940	8.8	14.9	27.3	19.1	18.8	11.2	2.9
1983	111,560	7.3	14.4	28.5	21.2	18.1	10.8	2.7
1984	113,544	7.0	14.1	28.8	22.0	18.0	10.5	2.6
1985	115,461	6.8	13.6	28.7	22.6	18.0	10.4	2.6
1986	117,834	6.7	13.1	29.4	23.1	18.1	10.1	2.6
Male: 1980	46,388	6.0	8.9	20.8	23.8	20.8	13.8	4.8
1985	48,256	7.0	10.1	20.5	23.0	20.8	14.0	4.4
1970	51,228	7.8	11.2	22.1	20.4	20.3	13.9	4.2
1975	56,289	8.5	13.4	25.2	18.5	18.5	12.5	3.4
1980	61,463	8.1	14.0	27.6	19.3	18.1	11.8	3.1
1983	63,047	6.8	13.6	28.6	21.3	18.5	11.3	2.9
1984	63,836	6.5	13.5	29.0	22.0	18.3	11.0	2.7
1985	64,411	6.4	12.9	29.2	22.5	18.3	11.0	2.7
1986	65,422	6.3	12.5	29.8	23.0	18.3	10.6	2.6
Female: 1980	23,240	8.8	11.1	17.8	22.8	21.3	12.6	3.9
1985	26,200	8.8	12.8	18.5	21.8	21.8	13.7	3.7
1970	31,543	10.3	15.5	18.1	18.9	20.7	13.2	3.9
1975	37,475	10.8	18.5	23.1	17.4	17.8	11.5	3.8
1980	45,487	8.8	18.1	26.9	18.0	18.4	10.4	2.8
1983	48,503	8.0	15.4	28.4	21.1	18.6	10.0	2.5
1984	49,709	7.7	15.0	28.8	21.9	18.6	9.9	2.4
1985	51,060	7.4	14.8	28.9	22.7	18.6	9.7	2.3
1986	52,413	7.3	13.9	29.0	23.3	18.6	9.4	2.3

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

## NO. 610. CHARACTERISTICS OF THE CIVILIAN LABOR FORCE, BY STATE: 1986

In thousands, except ratio and rate. For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals. For composition of regions, see fig. 1, inside front cover.

REGION, DIVISION AND STATE	TOTAL		EMPLOYED		Em- ployed/ popula- tion ratio <sup>1</sup>	UNEMPLOYED					PARTICI- PATION RATE <sup>2</sup>	
	Num- ber	Fe- male	Total	Fe- male		Total		Rate <sup>2</sup>			Male	Fe- male
						Num- ber	Fe- male	Total	Male	Fe- male		
United States.....	117,894	63,413	106,997	46,796	69.7	8,237	3,707	7.0	6.9	7.1	79.3	66.9
Regions:												
Northeast.....	24,652	11,011	23,262	10,421	60.1	1,370	590	5.6	5.7	5.4	75.0	53.5
Midwest.....	29,341	12,971	27,196	12,031	61.3	2,143	940	7.3	7.3	7.2	77.2	66.1
South.....	39,982	17,920	36,862	16,486	59.8	3,020	1,436	7.6	7.2	8.0	75.7	54.9
West.....	24,006	10,532	22,297	9,786	62.1	1,709	746	7.1	7.2	7.1	77.3	57.0
New England.....	6,717	3,098	6,464	2,973	65.4	269	126	3.9	3.6	4.0	77.8	56.4
Maine.....	562	251	532	237	60.2	30	14	5.3	5.1	5.6	73.6	54.2
New Hampshire.....	562	253	546	244	70.0	16	8	2.6	2.3	3.3	81.1	63.2
Vermont.....	292	134	279	127	66.5	14	7	4.7	4.2	5.2	80.9	63.2
Massachusetts.....	3,051	1,419	2,934	1,366	64.5	117	53	3.8	3.9	3.7	76.6	56.6
Rhode Island.....	510	247	490	237	64.8	21	10	4.0	3.9	4.2	76.6	56.9
Connecticut.....	1,740	794	1,674	762	67.2	66	32	3.8	3.5	4.1	80.0	60.8
Middle Atlantic.....	17,836	7,912	16,627	7,448	58.2	1,108	526	6.2	6.4	5.9	74.1	51.5
New York.....	8,408	3,722	7,881	3,508	57.4	526	214	6.3	6.7	5.8	73.5	50.6
New Jersey.....	3,692	1,710	3,696	1,616	62.4	196	95	5.0	5.1	5.5	77.6	54.9
Pennsylvania.....	5,634	2,479	5,248	2,324	58.8	386	156	6.8	7.3	6.3	72.7	50.6
East North Central.....	20,463	9,606	19,637	8,294	62.3	1,709	746	7.9	8.0	7.8	76.8	54.6
Ohio.....	5,234	2,433	4,809	2,127	59.3	426	186	8.1	8.7	7.3	76.1	54.1
Indiana.....	2,760	1,243	2,565	1,149	62.5	186	94	6.7	6.0	7.6	77.4	57.6
Illinois.....	6,666	2,498	5,225	2,267	60.3	461	201	6.1	6.2	6.0	77.9	54.7
Michigan.....	4,363	1,914	4,007	1,741	58.4	385	173	8.8	8.6	9.0	75.7	53.4
Wisconsin.....	2,369	1,049	2,230	979	62.2	170	70	7.0	7.4	6.6	77.1	57.2
West North Central.....	5,576	3,371	5,361	3,736	64.2	517	234	5.8	5.8	5.8	76.3	56.9
Minnesota.....	2,213	969	2,095	936	66.8	118	53	5.3	5.3	5.3	80.2	61.4
Iowa.....	1,432	631	1,332	586	62.6	100	45	7.0	6.9	7.2	78.3	57.0
Missouri.....	2,529	1,136	2,374	1,086	62.4	154	69	6.1	6.1	6.1	76.5	57.3
North Dakota.....	391	145	310	136	64.3	21	9	6.3	6.4	6.2	76.9	57.1
South Dakota.....	345	154	329	147	65.1	16	8	4.7	4.6	4.9	77.6	59.5
Nebraska.....	603	267	563	248	65.5	40	19	5.0	5.0	5.1	76.3	60.4
Kansas.....	1,224	549	1,156	517	64.4	67	32	5.4	5.1	5.9	79.2	58.2
South Atlantic.....	20,036	9,179	18,860	8,669	61.0	1,148	566	6.7	6.2	6.4	74.8	56.7
Delaware.....	325	150	311	144	64.6	14	6	4.3	4.4	4.3	77.1	59.1
Maryland.....	2,356	1,085	2,252	1,037	66.2	105	58	4.5	3.8	5.3	79.0	60.6
District of Columbia.....	326	166	302	163	62.2	25	13	7.7	7.8	7.6	73.0	62.7
Virginia.....	2,685	1,306	2,740	1,232	64.0	145	74	5.0	4.5	5.7	77.9	57.9
West Virginia.....	743	307	666	277	45.0	30	11	11.8	13.2	9.9	64.0	39.6
North Carolina.....	3,184	1,471	3,024	1,362	63.6	170	89	5.3	4.7	6.0	77.4	58.1
South Carolina.....	1,602	736	1,502	681	60.9	100	57	6.2	5.0	7.7	75.3	56.9
Georgia.....	3,014	1,402	2,836	1,296	63.3	178	106	5.9	4.5	7.6	77.7	58.3
Florida.....	5,569	2,546	5,268	2,395	57.4	320	152	5.7	5.5	6.0	70.6	52.2
East South Central.....	7,036	3,161	6,373	2,839	58.6	663	322	8.4	8.6	10.2	73.8	52.3
Kentucky.....	1,690	715	1,533	648	55.6	158	67	8.3	9.1	9.4	74.9	49.1
Tennessee.....	2,301	1,057	2,116	961	58.0	185	96	8.0	7.2	9.1	73.1	54.4
Alabama.....	1,663	662	1,667	771	56.5	185	91	8.8	9.2	10.6	73.7	53.3
Mississippi.....	1,163	517	1,027	449	54.5	136	66	11.7	10.6	13.1	73.5	51.6
West South Central.....	12,811	5,582	11,900	5,064	59.8	1,212	526	9.5	8.8	8.4	76.0	56.3
Arkansas.....	1,073	490	979	434	55.8	94	46	8.7	8.1	9.6	71.9	51.2
Louisiana.....	1,988	875	1,727	765	53.7	261	120	13.1	12.7	13.7	74.7	50.7
Oklahoma.....	1,583	721	1,482	666	60.8	131	54	8.2	8.8	7.6	77.6	56.4
Texas.....	8,159	3,515	7,433	3,209	62.0	726	307	9.9	9.0	8.7	79.8	57.0
Mountain.....	6,371	2,914	5,899	2,614	62.8	472	201	7.4	7.6	7.1	76.4	56.0
Montana.....	407	178	374	165	62.3	33	13	8.1	8.7	7.3	78.3	57.6
Idaho.....	466	202	427	187	61.1	41	15	8.7	9.6	7.6	77.7	56.6
Wyoming.....	249	107	227	98	64.0	22	9	9.0	9.2	8.6	81.1	59.6
Colorado.....	1,694	774	1,588	721	65.0	126	53	7.4	7.9	6.9	80.7	60.6
New Mexico.....	672	281	610	256	58.3	62	24	9.2	9.7	8.5	76.0	52.6
Arizona.....	1,566	700	1,476	650	60.3	110	50	6.9	6.8	7.1	75.3	55.0
Utah.....	755	321	709	299	65.8	45	22	6.0	5.4	6.8	81.3	58.9
Nevada.....	541	251	506	237	67.8	32	15	6.0	6.2	5.8	79.7	65.1
Pacific.....	17,636	7,717	16,399	7,173	61.8	1,237	644	7.6	7.0	7.1	76.9	56.6
Washington.....	2,178	962	2,000	879	61.9	179	83	8.2	7.8	8.7	75.8	56.8
Oregon.....	1,347	611	1,233	559	60.6	114	52	8.5	8.4	8.5	74.7	56.1
California.....	13,365	5,801	12,473	5,413	62.0	662	368	6.7	6.7	6.7	77.3	56.2
Alaska.....	258	114	229	104	65.5	26	10	10.8	12.1	9.1	82.0	64.6
Hawaii.....	468	226	465	217	62.9	24	11	4.8	4.9	4.8	73.6	56.0

<sup>1</sup> Civilian employment as a percent of civilian noninstitutional population. <sup>2</sup> Percent unemployed of the civilian labor force. Percent of civilian noninstitutional population of each specified group in the civilian labor force.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1986*.

No. 611. CIVILIAN LABOR FORCE—EMPLOYMENT STATUS, BY SEX, RACE, AND AGE: 1966

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE AND RACE	CIVILIAN LABOR FORCE			MALE (1,000)			FEMALE (1,000)			PERCENT OF LABOR FORCE			
	Total (1,000)	Percent by age		Total	Em- ployed	Un- em- ployed	Total	Em- ployed	Un- em- ployed	Employed		Unemployed	
		Male	Fe- male							Male	Fe- male	Male	Fe- male
All workers <sup>1</sup> .....	117,834	100.0	100.0	65,422	60,882	4,530	52,413	48,708	3,707	93.1	92.9	6.9	7.1
16-19 years.....	7,926	6.3	7.3	4,102	3,323	779	3,824	3,149	675	81.0	82.3	19.0	17.6
20-24 years.....	15,441	12.5	13.9	8,148	7,250	899	7,293	6,540	752	89.0	89.7	11.0	10.3
25-34 years.....	34,591	29.6	29.0	19,383	18,092	1,291	15,208	14,109	1,099	93.3	92.8	6.7	7.2
35-44 years.....	27,232	23.0	23.3	15,029	14,266	763	12,204	11,595	609	94.9	95.0	5.1	5.0
45-54 years.....	17,739	15.3	14.8	9,994	9,554	440	7,746	7,395	350	95.6	95.5	4.4	4.5
55-64 years.....	11,894	10.6	9.4	6,954	6,654	301	4,940	4,751	189	95.7	95.2	4.3	3.8
65 years and over....	3,010	2.8	2.3	1,811	1,753	58	1,199	1,165	33	96.8	97.2	3.2	2.8
White.....	101,801	100.0	100.0	57,217	53,736	3,483	44,584	41,876	2,708	94.0	93.6	6.0	6.1
16-19 years.....	6,862	6.2	7.4	3,542	2,966	576	3,320	2,825	495	83.7	85.1	16.3	14.9
20-24 years.....	13,176	12.2	13.9	6,968	6,340	645	6,191	5,687	504	90.8	91.9	9.2	8.1
25-34 years.....	29,497	29.3	26.6	16,769	15,790	978	12,729	11,956	773	94.2	93.9	5.8	6.1
35-44 years.....	23,571	23.1	23.2	13,207	12,620	586	10,364	9,895	470	95.6	95.5	4.4	4.5
45-54 years.....	15,379	15.4	14.8	8,791	8,442	349	6,586	6,307	281	96.0	95.7	4.0	4.3
55-64 years.....	10,583	10.9	9.7	6,260	6,012	248	4,323	4,164	159	96.0	96.3	4.0	3.7
65 years and over....	2,732	2.9	2.4	1,663	1,612	51	1,099	1,042	27	96.8	97.5	3.1	2.5
Black.....	12,654	100.0	100.0	6,373	5,428	946	6,361	5,396	964	85.2	85.8	14.8	14.2
16-19 years.....	883	7.2	6.8	458	278	180	425	259	167	60.7	60.8	39.3	39.2
20-24 years.....	1,881	15.0	14.7	957	732	225	924	696	228	76.5	75.3	23.5	24.7
25-34 years.....	4,026	31.8	31.8	2,029	1,756	273	1,999	1,708	291	86.5	85.4	13.5	14.6
35-44 years.....	2,793	21.3	22.8	1,359	1,211	148	1,434	1,313	121	89.1	91.6	10.9	8.4
45-54 years.....	1,793	14.1	14.2	901	831	70	892	835	57	92.2	93.6	7.8	6.4
55-64 years.....	1,051	8.7	7.9	552	507	44	499	475	25	92.0	95.0	8.0	5.0
65 years and over....	224	1.8	1.7	116	112	5	107	102	5	95.7	95.3	4.3	4.7

<sup>1</sup> Includes other races not shown separately.  
Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 612. EMPLOYED CIVILIANS AND WEEKLY HOURS, BY SELECTED CHARACTERISTICS: 1970 TO 1966

[In thousands except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE, SEX, AND MARITAL STATUS	1970	1975	1980	1982	1980	1984	1980	1980
Total employed.....	78,678	85,846	98,303	98,303	108,834	105,095	107,199	108,997
Age:								
16-19 years.....	6,144	7,104	7,710	6,549	6,342	6,444	6,434	6,472
20-24 years.....	9,731	11,895	14,067	13,690	13,722	14,207	13,990	13,790
25-34 years.....	16,318	21,087	27,204	26,149	26,756	30,346	31,208	32,201
35-44 years.....	15,922	15,953	19,523	20,879	21,980	23,598	24,732	25,861
45-54 years.....	16,473	16,190	16,234	15,923	15,812	16,176	16,509	16,949
55-64 years.....	10,974	10,827	11,586	11,414	11,315	11,395	11,474	11,405
65 years and over....	3,118	2,801	2,960	2,923	2,927	2,835	2,813	2,919
Sex: Male.....	48,990	51,857	57,166	56,271	56,767	59,081	59,891	60,882
Female.....	29,688	33,989	42,117	43,256	44,047	45,915	47,299	48,708
Marital status:								
Married, spouse present.....	55,554	58,037	62,536	62,127	62,570	64,692	65,584	66,892
Single (never married).....	15,039	18,256	24,082	24,099	24,779	26,143	26,790	27,478
Widowed, divorced, separated.....	8,087	9,552	12,696	13,330	13,483	14,170	14,766	15,319
Class of worker:								
Nonagriculture.....	75,215	82,438	95,936	96,125	97,450	101,685	103,971	106,434
Wage and salary worker.....	69,491	76,249	88,525	88,462	89,500	93,565	95,871	98,289
Self-employed.....	5,221	5,705	7,000	7,262	7,575	7,785	7,811	7,891
Unpaid family workers.....	502	483	413	401	376	335	299	255
Agriculture.....	3,463	3,408	3,364	3,401	3,383	3,321	3,179	3,163
Wage and salary worker.....	1,154	1,301	1,425	1,595	1,579	1,555	1,535	1,547
Self-employed.....	1,810	1,722	1,642	1,636	1,565	1,553	1,458	1,447
Unpaid family workers.....	499	386	297	281	240	213	165	163
Weekly hours:								
Nonagriculture:								
Wage and salary workers.....	38.3	38.1	38.1	37.6	37.9	38.4	38.7	38.8
Self-employed.....	45.0	42.3	41.2	39.8	40.0	40.6	41.1	41.2
Unpaid family workers.....	37.9	38.3	34.7	34.7	34.8	35.1	35.1	35.5
Agriculture:								
Wage and salary workers.....	40.0	40.8	41.6	40.3	40.3	41.1	40.8	40.9
Self-employed.....	51.0	49.7	49.3	48.3	47.4	48.1	48.2	48.4
Unpaid family workers.....	40.0	39.6	38.6	38.9	38.6	38.9	38.5	38.7

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

## NO. 613. PERSONS WITH A JOB BUT NOT AT WORK: 1970 TO 1986

[In thousands, except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series D 116-126, for related but not comparable data.]

REASON FOR NOT WORKING	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986		
											Total	Male	Female
All industries, number	4,846	5,221	5,573	5,747	5,982	5,760	5,712	5,863	5,575	5,799	5,741	2,829	2,912
Percent of employed	5.9	6.1	6.8	5.8	5.9	5.8	5.7	5.5	5.3	5.4	5.2	4.8	5.0
Nonagricultural industries	4,511	5,056	5,415	5,601	5,729	5,553	5,573	5,413	5,439	5,667	5,613	2,725	2,868
Reason for not working:													
Vacation	2,341	2,815	2,985	3,191	3,320	3,247	3,153	3,096	3,147	3,338	3,234	1,558	1,678
Illness	1,324	1,343	1,436	1,420	1,425	1,413	1,331	1,291	1,322	1,308	1,292	688	804
Bad weather	129	139	239	199	155	112	202	124	118	141	128	119	10
Industrial dispute	158	95	100	123	105	84	36	91	40	42	58	39	17
All other	888	829	815	816	878	953	986	962	947	960	1,030	426	605

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

## NO. 614. EMPLOYED AND UNEMPLOYED WORKERS BY WORK SCHEDULES, SEX, AND AGE: 1976 TO 1986

[In thousands. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III.]

CHARACTERISTIC	EMPLOYED				CHARACTERISTIC	UNEMPLOYED			
	1976	1980	1985	1986		1976	1980	1985	1986
Total	88,752	89,303	107,150	109,597	Total	7,408	7,838	8,312	8,237
Full-time <sup>1</sup>	73,994	82,562	88,535	90,529	Looking for full-time work	5,974	6,289	6,793	6,708
Male	48,150	51,717	53,862	54,885	Male	3,421	3,703	3,925	3,916
16-19 years old	1,974	2,017	1,437	1,367	16-19 years old	551	537	448	408
20-24 years old	6,002	6,533	6,078	6,050	20-24 years old	856	894	857	809
25-54 years old	32,673	35,844	38,207	40,231	25-54 years old	1,695	1,923	2,329	2,415
55 years and over	7,298	7,521	7,139	7,037	55 years and over	320	250	292	293
Female	25,814	30,846	34,672	35,845	Female	2,553	2,564	2,868	2,792
16-19 years old	1,409	1,456	1,089	1,033	16-19 years old	448	430	331	324
20-24 years old	4,435	5,098	4,903	4,844	20-24 years old	649	638	636	607
25-54 years old	16,405	20,395	24,838	26,044	25-54 years old	1,268	1,363	1,727	1,714
55 years and over	3,585	3,897	3,862	3,923	55 years and over	188	135	173	147
Part-time <sup>1</sup>	14,758	16,740	18,615	19,069	Looking for part-time work	1,432	1,389	1,519	1,529
Male	4,889	5,471	6,028	6,207	Male	615	563	598	614
16-19 years old	1,973	2,088	1,891	1,955	16-19 years old	387	377	360	371
20-24 years old	913	999	1,261	1,201	20-24 years old	84	81	87	99
25-54 years old	946	1,092	1,568	1,680	25-54 years old	63	54	79	76
55 years and over	1,157	1,314	1,308	1,371	55 years and over	71	52	70	67
Female	9,769	11,271	12,587	12,862	Female	816	805	823	915
16-19 years old	1,981	2,169	2,036	2,118	16-19 years old	333	326	330	350
20-24 years old	1,219	1,456	1,739	1,688	20-24 years old	115	124	158	145
25-54 years old	4,961	5,827	6,837	7,055	25-54 years old	291	298	359	344
55 years and over	1,636	1,815	1,976	1,993	55 years and over	79	57	75	75

<sup>1</sup> Full-time workers include employed persons on full-time (35 hours or more per week) schedules and those working part-time (between 1 and 34 hours) for economic reasons who usually work full-time. Part-time workers include employed persons working part-time voluntarily and those working part-time for economic reasons, who usually work part-time. Employed persons with a job but not at work are distributed according to whether they usually work full- or part-time.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.

## NO. 615. SELECTED MEASURES OF WORK SCHEDULES, BY SEX, OCCUPATION AND INDUSTRY: 1985

[Hours and days are means. See headnote, table 610.]

SEX AND OCCUPATION	HOURS		Days per week	Percent working week-ends	INDUSTRY	HOURS		Days per week	Percent working week-ends
	Per week	Per day				Per week	Per day		
Total	36.7	7.9	4.9	29.3	Industry: Mining	44.4	8.7	5.1	27.8
Sex: Male	41.6	8.3	5.0	32.2	Manufacturing, durable goods	41.0	8.2	5.0	11.1
Female	35.0	7.4	4.7	25.6	Wholesale trade	40.9	8.3	4.9	16.4
Occupation:					Transportation and public utilities	40.5	8.3	4.9	21.7
Precision production, craft, and repair	40.9	8.2	5.0	17.8	Agriculture	40.7	8.0	5.1	48.7
Managerial and professional	40.9	8.3	4.9	16.5	Manufacturing, nondurable goods	40.0	8.1	4.8	14.0
Operators, fabricators and laborers	39.2	8.0	4.9	18.9	Construction	40.0	8.2	4.9	12.3
Farming, forestry and fishing	38.0	7.7	5.2	44.5	Public administration	39.9	8.4	4.8	14.4
Technical, sales, and admin. support	36.6	7.6	4.8	24.5	Finance, insurance, and real estate	38.0	7.9	5.0	14.9
Service	32.3	7.1	4.5	44.9	Services	35.5	7.5	4.9	21.1
					Retail trade	34.2	7.2	4.8	57.5

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986.



## NO. 616. EMPLOYED PERSONS WORKING AT HOME, BY SELECTED CHARACTERISTIC: 1985

(In thousands, except mean hours. As of May. For the civilian noninstitutional population 16 years old and over. Based on the Current Population Survey; see text, section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation)

ITEM	Total <sup>1</sup>	HOURS WORKED PER WEEK			ITEM	Total <sup>1</sup>	HOURS WORKED PER WEEK		
		8 hours or more	35 hours or more	Mean hours			8 hours or more	35 hours or more	Mean hours
Total	17,477	8,878	1,387	11.8	Industry: Agriculture	421	403	277	45.7
Worked entirely at home	2,343	1,882	1,067	32.1	Nonagriculture	1,823	1,988	790	29.0
Sex: Male	748	709	478	41.1	Mining	16	14	5	(8)
Female	1,494	1,284	581	27.7	Construction	61	68	24	25.0
Occupation: Managerial and professional	533	451	211	28.5	Manufacturing	151	140	65	28.5
Technical, sales and admin. support	583	462	210	25.4	Durable	87	64	29	(8)
Service	504	478	288	34.0	Non-durable	63	76	37	25.9
Precision production, craft and repair	142	121	55	27.0	Transportation and public utilities	54	48	33	(8)
Operators, fabricators and laborers	82	76	38	28.5	Wholesale trade	48	42	14	(8)
Farming, forestry, and fishing	380	385	268	47.6	Retail trade	202	151	83	23.5
					Finance, insurance and real estate	111	102	64	34.0
					Services	1,128	1,000	514	29.8
					Public admin.	25	22	3	(8)

8 Data not shown where base is less than 75,000. <sup>1</sup> For workers reporting actual hours worked at home.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986.

## NO. 617. WORKERS ON FLEXIBLE SCHEDULES, BY SELECTED CHARACTERISTIC: 1985

(In thousands, except percent. As of May. For full-time wage and salary workers. See headnote, table 616)

CHARACTERISTIC	ALL WORKERS			WITH FLEXIBLE SCHEDULES			PERCENT OF ALL WORKERS		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	73,286	43,779	29,518	9,861	5,788	4,073	13.3	13.2	11.1
Marital status and presence of youngest child									
Single	16,812	9,703	7,109	2,123	1,232	891	12.6	12.7	12.5
With no children under 18	16,284	9,605	6,679	2,055	1,218	837	12.6	12.7	12.6
With own children: under 6	301	88	213	28	10	18	8.6	11.4	7.5
Between 6 and 13 years old	192	6	186	29	1	28	15.1	16.7	15.1
Between 14 and 17 years old	55	4	51	13	3	10	23.6	75.0	19.8
Married, spouse present	45,345	29,888	15,457	5,483	3,888	1,615	12.1	13.0	10.9
With no children under 18	19,413	11,587	7,846	2,311	1,531	780	11.9	13.2	9.9
With own children: under 6	12,093	8,927	3,166	1,459	1,130	329	12.1	12.7	10.4
Between 6 and 13 years old	9,391	6,289	3,092	1,164	814	350	12.4	12.8	11.3
Between 14 and 17 years old	4,449	2,873	1,576	547	382	165	12.3	13.6	8.8
Other marital status	11,236	4,410	6,826	1,455	881	574	12.9	15.0	11.6
With no children under 18	8,252	3,885	4,367	1,125	588	537	13.8	15.1	12.9
With own children: under 6	673	120	553	62	9	53	9.2	7.5	9.8
Between 6 and 13 years old	1,416	224	1,194	173	36	136	12.2	17.0	11.3
Between 14 and 17 years old	685	171	514	94	25	69	10.5	14.6	8.5
Occupation:									
Managerial and professional	18,944	10,886	8,048	3,448	2,340	1,108	18.2	21.5	13.8
Technical, sales, administrative	21,981	8,346	13,635	3,215	1,540	1,675	14.6	18.5	12.3
Service occupations	7,268	3,552	3,717	618	302	316	8.5	8.5	8.5
Precision production, craft and repair	10,477	9,670	807	717	656	59	8.8	6.8	7.3
Operators, fabricators, and laborers	13,328	10,073	3,253	847	728	120	8.4	7.2	3.7
Farming, forestry, and fisheries	1,416	1,243	173	214	192	22	15.1	15.4	12.6
Industry									
Private sector	60,127	36,886	23,241	7,558	4,904	2,654	12.6	13.3	11.5
Goods producing <sup>1</sup>	24,826	18,354	6,472	2,420	1,882	538	9.8	10.3	8.4
Service producing	35,500	18,541	16,959	5,138	3,011	2,128	14.5	16.2	12.8
Public sector	13,288	6,784	6,504	1,501	857	644	11.3	12.6	9.9
Federal government	2,901	1,784	1,117	580	340	240	20.0	18.0	21.7
State government	3,320	1,845	1,475	537	292	245	16.2	17.8	14.8
Local government	7,047	3,345	3,702	384	225	159	5.4	8.7	4.3

<sup>1</sup> Includes agriculture, mining, construction, and manufacturing.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986 and unpublished data.

No. 618. MULTIPLE JOBHOLDERS—SELECTED CHARACTERISTICS: 1985

See, table 616. Multiple jobholders are employed persons who, either 1) had jobs as wage or salary workers with two or more; 2) were self-employed and also held a wage and salary job; or 3) were unpaid family workers on their own but also held wage and salary jobs]

CHARACTERISTIC	EMPLOYED (1,000)			MULTIPLE JOBHOLDERS						
	Total	Male	Female	Number (1,000)			Average weekly hours		Median weekly earnings <sup>1</sup> (dol.)	
				Total	Male	Female	All jobs	Sec-ondary job	All jobs	Sec-ondary job
.....	106,878	60,015	46,864	5,736	3,537	2,192	51.3	14.2	\$343	\$70
Years old.....	6,289	3,370	2,919	289	134	156	34.0	11.4	119	42
Years old.....	13,857	7,345	6,512	777	438	340	48.9	14.1	245	65
Years old.....	31,246	17,641	13,605	1,771	1,090	682	52.6	14.7	340	75
Years old.....	24,446	13,696	10,746	1,522	967	556	53.7	15.1	477	76
Years old.....	16,682	9,526	7,156	647	558	290	52.9	13.5	510	73
Years old.....	11,545	6,739	4,806	433	294	139	51.8	13.5	494	71
18 and over.....	2,813	1,696	1,117	90	59	31	42.3	10.7	152	45
Hispanic origin:										
.....	93,555	53,222	40,333	5,266	3,291	1,995	51.1	14.0	344	69
.....	10,416	5,240	5,176	336	187	151	53.8	16.8	305	81
Origin <sup>2</sup> .....	6,489	3,964	2,505	194	125	69	51.1	15.1	355	66
Sex:										
.....	26,167	14,768	11,399	1,448	767	681	(NA)	(NA)	(NA)	(NA)
House present.....	65,443	39,444	25,999	3,448	2,447	1,001	(NA)	(NA)	(NA)	(NA)
.....	15,268	5,803	9,465	834	323	510	(NA)	(NA)	(NA)	(NA)
Worker—primary job:										
.....	3,524	2,837	887	188	151	35	53.2	16.2	(NA)	70
Wage and salary worker.....	1,731	1,391	340	103	83	21	55.6	15.3	226	76
Self-employed.....	1,582	1,376	206	74	66	9	51.3	22.0	(NA)	65
Unpaid family worker.....	211	70	140	8	4	4	36.9	23.3	(NA)	(NA)
.....	103,354	57,177	46,177	5,544	3,386	2,156	51.2	14.1	(NA)	69
Wage and salary worker.....	95,379	52,006	43,372	5,266	3,230	2,036	51.7	14.1	378	68
Self-employed.....	7,694	5,134	2,561	289	151	118	42.4	14.0	(NA)	78
Unpaid family worker.....	280	36	244	9	5	4	41.7	20.8	(NA)	(NA)

Not available. <sup>1</sup> Data on wage and salary earnings only were collected for the primary job. Data on earnings from all jobs collected for the secondary job. <sup>2</sup> Hispanic persons may be of any race.

Source: Bureau of Labor Statistics, *Monthly Labor Review*, November 1986, and unpublished data.

No. 619. HISPANIC PERSONS—CIVILIAN LABOR FORCE PARTICIPATION: 1985 AND 1986

Notes: For civilian noninstitutional population, 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	1985					1986				
	Total	Mexi-can	Puerto Rican	Cuban	Other His-panic ori-gin <sup>1</sup>	Total	Mexi-can	Puerto Rican	Cuban	Other His-panic ori-gin <sup>1</sup>
(in 1,000).....	11,465	6,625	1,721	851	2,269	12,273	7,291	1,506	861	2,612
Labor force: Male.....	78.5	81.5	66.9	74.6	78.4	79.0	81.1	67.8	78.2	79.0
Female.....	50.4	51.3	39.0	56.9	54.7	48.9	49.1	37.8	53.9	53.7
(in 1,000).....	6,532	3,900	756	520	1,356	7,007	4,239	656	540	1,573
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional.....	12.0	9.6	13.3	16.9	16.4	12.2	9.8	14.8	20.2	14.7
Sales, and admin. support.....	25.9	24.1	30.5	28.3	27.8	25.6	23.7	28.9	33.9	26.4
.....	17.9	17.2	21.1	12.5	19.9	18.9	17.9	20.4	12.6	23.3
Agriculture, forestry, and fishing.....	4.1	6.2	.7	.4	1.4	4.3	6.2	1.2	1.1	1.7
Manufacturing and construction.....	15.3	16.9	10.8	17.6	12.5	13.7	14.5	10.5	14.2	12.4
Transportation, equipment, and other.....	24.8	26.1	23.5	24.4	22.0	25.3	27.8	24.2	18.0	21.5
Unemployed: Male.....	11.8	12.5	15.0	6.9	9.2	11.3	11.7	16.4	6.3	9.2
Female.....	10.5	10.9	13.3	6.6	9.6	9.5	10.3	14.1	4.1	7.3

Central or South American and other Hispanic origin.  
Source: U.S. Bureau of the Census, series P-20, Nos. 403 and 416.

No. 620. CIVILIAN LABOR FORCE—YEARS OF SCHOOL COMPLETED, BY SEX AND RACE: 1987

[As of March. For civilian noninstitutional population 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

EMPLOYMENT STATUS, SEX, AND RACE	Popula- tion, 16 yr. old and over (1,000)	PERCENT DISTRIBUTION BY SCHOOL YEARS COMPLETED							
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years	5 years or more
Total <sup>1</sup> .....	182,197	2.1	3.9	5.3	15.9	37.7	17.9	10.3	6.9
Civilian labor force .....	118,134	.9	2.1	2.9	12.2	40.1	20.1	12.8	9.0
Employed .....	109,854	.8	2.0	2.6	11.2	40.0	20.5	13.4	9.5
Unemployed .....	8,280	1.1	3.9	4.8	25.9	41.1	15.2	5.5	2.4
Not in labor force .....	64,063	4.4	7.3	10.0	22.5	33.4	13.6	5.7	3.2
Male, total .....	88,629	2.2	4.1	5.3	16.0	34.7	17.8	11.2	8.8
Civilian labor force .....	65,174	1.1	2.6	3.3	13.1	37.5	18.9	13.3	10.2
Employed .....	60,366	1.1	2.5	3.1	11.9	37.5	19.3	13.8	10.9
Unemployed .....	4,808	1.1	4.6	5.6	27.3	38.3	14.6	6.0	2.5
Not in labor force .....	21,454	5.6	8.4	11.5	25.0	26.2	13.6	5.1	4.5
Female, total .....	95,568	2.0	3.8	5.2	15.7	40.4	18.1	9.5	5.2
Civilian labor force .....	52,960	.6	1.5	2.0	11.3	43.3	21.6	12.3	7.4
Employed .....	49,486	.5	1.4	1.9	10.4	43.2	22.0	12.9	7.7
Unemployed .....	3,474	1.0	3.0	3.7	24.0	45.0	16.1	4.9	2.3
Not in labor force .....	42,806	3.8	8.7	9.2	21.3	36.9	13.7	5.9	2.5
White, total .....	156,589	1.8	3.6	5.4	15.0	38.3	18.0	10.7	7.3
Civilian labor force .....	102,043	.8	2.0	2.7	11.6	40.2	20.1	13.2	9.3
Employed .....	95,847	.8	1.9	2.5	10.7	40.2	20.5	13.7	9.8
Unemployed .....	6,196	1.2	3.8	5.2	25.2	41.1	14.9	6.0	2.6
Not in labor force .....	54,545	3.6	6.6	10.4	21.3	34.6	14.1	6.0	3.4
Black, total .....	20,200	4.0	6.6	5.0	23.4	36.1	15.9	5.8	3.1
Civilian labor force .....	12,544	1.0	3.3	3.1	18.2	42.6	19.7	7.9	4.2
Employed .....	10,730	1.0	3.1	3.0	16.3	42.7	20.4	8.6	4.6
Unemployed .....	1,814	.4	4.4	3.6	29.3	42.0	15.8	3.5	.9
Not in labor force .....	7,656	9.0	12.1	8.2	31.9	25.5	9.7	2.2	1.3

<sup>1</sup> Includes other races, not shown separately.  
Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 621. SCHOOL ENROLLMENT AND LABOR FORCE STATUS OF CIVILIANS 16 TO 24 YEARS OLD, BY  
SELECTED CHARACTERISTICS: 1980 AND 1986

[In thousands, except percent. As of October. Civilian noninstitutional population. Based on Current Population Survey; see text, section 1 and Appendix III]

CHARACTERISTIC	POPULATION		CIVILIAN LABOR FORCE			EMPLOYED		UNEMPLOYED		
	1986	1980	1980, total	1986		1980	1986	1980, total	1980	
				Total	Per- cent <sup>1</sup>				Total	Rate <sup>2</sup>
Total, 16 to 24 years <sup>3</sup> .....	37,103	33,945	24,918	22,869	67.4	21,459	19,000	3,464	9,000	12.6
Enrolled in school <sup>3</sup> .....	15,713	15,317	7,454	7,426	48.5	6,438	6,449	1,021	977	13.2
16 to 19 years .....	11,126	10,733	4,836	4,701	43.8	4,029	3,943	607	758	16.1
20 to 24 years .....	4,587	4,584	2,618	2,725	59.4	2,405	2,506	214	218	8.0
Male .....	7,997	7,800	3,825	3,730	47.8	3,259	3,205	586	526	14.1
Female .....	7,716	7,517	3,629	3,696	49.2	3,179	3,245	455	451	12.2
College level .....	7,664	7,602	3,996	4,207	55.3	3,632	3,825	364	383	9.1
Full-time .....	6,396	6,351	2,854	3,054	48.1	2,554	2,733	300	321	10.5
White .....	13,242	12,581	6,690	6,527	51.9	5,892	5,787	798	740	11.3
Below college .....	6,566	6,163	3,096	2,811	45.6	2,579	2,382	517	430	15.3
College level .....	6,678	6,417	3,592	3,716	57.9	3,310	3,406	282	310	8.3
Black .....	2,028	2,062	596	652	31.6	406	449	169	202	31.1
Below college .....	1,282	1,243	294	327	26.3	174	180	120	146	44.8
College level .....	747	819	300	326	39.8	230	266	70	55	16.9
Not enrolled <sup>3</sup> .....	21,390	18,628	17,464	15,443	82.9	15,021	13,540	2,443	1,903	12.3
White .....	18,103	15,499	15,121	13,105	84.5	13,318	11,807	1,803	1,296	9.9
Black .....	2,664	2,892	2,055	2,006	74.5	1,451	1,439	694	567	28.3

<sup>1</sup> Percent of civilian noninstitutional population.    <sup>2</sup> Percent of civilian labor force in each category.    <sup>3</sup> Includes other races, not shown separately.  
Source: U.S. Bureau of Labor Statistics, Bulletin 2192 and unpublished data.

No. 622. LABOR FORCE PARTICIPATION RATES, BY MARITAL STATUS, SEX, AND AGE: 1960 TO 1987

[As of March. See table 610 for definition of participation rate. Includes male members of the Armed Forces living offpost or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III]

YEAR AND MARITAL STATUS	MALE PARTICIPATION RATE						FEMALE PARTICIPATION RATE					
	16-19 years	20-24 years	25-34 years	35-44 years	45-64 years	65 and over	16-19 years	20-24 years	25-34 years	35-44 years	45-64 years	65 and over
1960: Married <sup>1</sup> .....	<sup>a</sup> 96.0	97.5	98.6	98.4	93.0	37.1	<sup>a</sup> 25.3	30.0	27.7	36.2	34.2	5.9
Single.....	<sup>a</sup> 34.4	76.6	85.3	85.3	74.4	24.3	<sup>a</sup> 25.3	73.4	79.9	79.7	75.1	21.6
Other <sup>a</sup> .....	(b)	88.6	82.3	64.1	78.1	18.2	<sup>a</sup> 37.3	54.6	55.5	67.4	58.3	11.0
1970: Married <sup>1</sup> .....	95.5	95.0	98.2	88.1	91.6	30.2	36.0	47.4	39.3	47.2	44.1	7.9
Single.....	49.0	89.0	88.2	82.3	88.6	21.0	39.5	71.1	80.7	73.3	67.8	17.8
Other <sup>a</sup> .....	(b)	73.2	74.5	80.6	75.9	18.5	46.5	59.7	95.1	67.9	60.7	9.9
1975: Married <sup>1</sup> .....	92.3	95.1	97.3	97.0	87.0	23.7	46.0	57.3	48.3	51.9	43.9	7.2
Single.....	53.2	76.5	87.4	86.5	88.7	20.5	45.5	89.5	80.4	77.8	66.4	18.2
Other <sup>a</sup> .....	(b)	94.7	92.4	89.3	69.4	18.0	41.9	68.1	67.5	69.4	80.4	8.1
1980: Married <sup>1</sup> .....	97.3	96.8	97.5	97.0	64.8	20.4	47.7	80.5	59.3	62.5	46.9	7.2
Single.....	56.8	79.6	87.3	79.9	65.2	20.0	49.0	72.2	64.2	78.5	62.8	12.0
Other <sup>a</sup> .....	(b)	92.9	93.8	91.1	89.9	13.0	51.0	86.5	77.1	76.4	59.5	8.8
1980: Married <sup>1</sup> .....	92.7	95.7	97.3	97.2	82.1	19.1	48.6	63.0	82.5	85.4	47.6	7.5
Single.....	49.9	77.6	88.4	81.8	89.6	23.9	46.0	72.6	83.6	81.1	65.1	12.6
Other <sup>a</sup> .....	(b)	86.7	91.9	90.7	73.9	13.1	48.3	68.4	77.1	77.7	59.5	7.5
1984: Married <sup>1</sup> .....	96.5	98.2	97.2	97.2	81.8	17.4	43.4	63.3	64.0	88.4	49.0	7.3
Single.....	50.8	78.5	87.4	83.2	65.6	16.7	46.4	72.1	83.5	83.0	67.0	11.8
Other <sup>a</sup> .....	(b)	91.6	90.7	92.8	71.8	12.6	53.6	71.3	76.5	79.6	81.0	7.7
1985: Married <sup>1</sup> .....	90.9	95.7	97.4	95.7	81.6	17.5	49.2	64.9	65.6	88.1	50.6	8.7
Single.....	52.4	77.9	87.5	80.8	67.3	16.0	49.6	74.0	82.5	80.6	73.2	8.0
Other <sup>a</sup> .....	(b)	96.8	92.8	92.1	72.8	12.7	50.9	88.5	76.9	80.6	60.7	7.9
1986: Married <sup>1</sup> .....	91.8	96.8	97.3	96.3	81.8	17.3	52.9	63.1	86.4	69.0	50.4	7.0
Single.....	50.8	80.7	96.3	64.5	61.4	17.8	50.1	75.0	81.1	79.6	89.3	8.0
Other <sup>a</sup> .....	(b)	93.9	93.1	80.1	71.7	13.0	50.6	71.0	78.4	82.6	61.7	7.4
1987: Married <sup>1</sup> .....	90.4	95.7	97.2	98.2	82.2	17.4	42.8	67.4	67.5	71.7	51.3	6.9
Single.....	50.2	60.0	88.0	83.7	67.9	16.3	49.6	74.5	82.9	81.8	56.8	9.1
Other <sup>a</sup> .....	(b)	90.6	92.9	91.1	73.1	11.1	51.5	67.2	77.1	83.0	61.9	7.6

B For 1960, percentage not shown where base is less than 100,000; beginning 1970, 75,000. <sup>1</sup> Spouse present. <sup>a</sup> 14 to 9 years old. <sup>a</sup> Widowed, divorced, and married (spouse absent).  
 Source: U.S. Bureau of Labor Statistics, Bulletin 2086, and unpublished data.

No. 623. MARITAL STATUS OF WOMEN IN THE CIVILIAN LABOR FORCE: 1940 TO 1987

As of March, except as indicated. Persons 14 years old and over through 1965; 16 years old and over thereafter. Prior to 1960, excludes Alaska and Hawaii. Figures for 1940 based on complete census revised for comparability with intercensal series. Later data based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 49-62]

YEAR	FEMALE LABOR FORCE (1,000)					PERCENT DISTRIBUTION, FEMALE LABOR FORCE			FEMALE LABOR FORCE AS PERCENT OF FEMALE POPULATION				
	Total	Single	Married		Widowed or divorced	Single	Married <sup>1</sup>	Widowed or divorced	Total	Single	Married		Widowed or divorced
			Total <sup>1</sup>	Husband present							Total <sup>1</sup>	Husband present	
1940.....	13,840	6,710	5,040	4,200	2,090	48.5	36.4	15.1	27.4	46.1	16.7	14.7	32.0
1944 <sup>a</sup> .....	18,449	7,542	8,433	6,226	2,474	40.9	45.7	13.4	35.0	58.6	25.6	21.7	35.7
1947 <sup>a</sup> .....	16,323	6,181	7,545	6,676	2,597	37.9	46.2	15.9	29.8	51.2	21.4	20.0	34.6
1950.....	17,795	5,621	9,273	8,550	2,901	31.6	52.1	16.3	31.4	50.5	24.8	23.8	38.0
1955 <sup>a</sup> .....	20,154	5,067	11,839	10,423	3,227	25.2	58.7	16.0	33.5	46.4	29.4	27.7	38.0
1960.....	22,516	5,401	13,485	12,253	3,629	24.0	59.9	16.1	34.8	44.1	31.7	30.5	37.1
1965.....	25,952	5,912	16,154	14,708	3,886	22.8	62.2	15.0	36.7	40.5	35.7	34.7	35.7
1969.....	29,895	6,501	19,100	17,595	4,297	21.7	63.9	14.4	41.6	51.2	40.4	39.6	35.8
1970.....	31,233	6,965	19,799	18,377	4,489	22.3	63.4	14.3	42.6	53.0	41.4	40.8	36.2
1971.....	31,778	7,220	20,034	18,573	4,524	22.7	63.0	14.2	42.5	52.8	41.4	40.8	35.7
1972.....	33,132	7,543	20,845	19,336	4,744	22.8	62.9	14.3	43.7	55.0	42.2	41.5	37.2
1973.....	34,195	7,636	21,487	19,951	4,870	22.9	62.8	14.2	44.2	55.9	42.8	42.2	36.7
1974.....	35,708	8,362	22,202	20,541	5,144	23.4	62.2	14.4	45.3	57.4	43.8	43.1	37.8
1975.....	36,981	8,599	23,037	21,360	5,345	23.2	62.3	14.5	46.0	57.0	45.1	44.4	37.7
1976.....	38,399	9,262	23,643	21,814	5,474	24.2	61.6	14.3	46.8	59.2	45.8	45.1	37.3
1977.....	40,053	9,702	24,429	22,661	5,922	24.2	61.0	14.8	48.0	59.2	47.2	46.6	39.0
1978.....	41,747	10,487	24,976	23,136	6,284	25.1	59.8	15.1	49.2	60.7	46.1	47.5	39.9
1979.....	43,844	11,304	26,073	24,223	6,467	25.8	59.5	14.8	50.8	62.9	49.9	49.3	40.0
1980.....	44,934	11,242	26,828	24,800	6,864	25.0	59.7	15.3	51.1	61.5	50.7	50.1	41.0
1981.....	46,415	11,828	27,536	25,460	7,251	25.0	59.3	15.8	52.0	62.3	51.7	51.0	41.9
1982.....	47,095	11,801	27,843	25,756	7,451	25.1	59.1	15.8	52.1	62.2	51.8	51.2	42.1
1982.....	47,779	12,282	28,140	26,227	7,357	25.7	58.9	15.4	52.3	62.6	52.3	51.8	41.2
1984.....	49,240	12,581	26,883	26,655	7,775	25.6	58.7	15.6	53.2	63.1	53.3	52.6	42.1
1985.....	50,891	12,925	29,755	27,718	8,211	25.4	58.5	16.1	54.5	65.2	54.7	54.2	42.8
1986.....	51,732	13,127	30,274	28,197	8,332	25.4	58.5	16.1	54.7	65.3	55.0	54.8	43.1
1987.....	52,960	13,454	31,282	29,159	8,224	25.4	59.1	15.5	55.4	65.1	56.1	55.8	42.9

<sup>1</sup> Includes married, spouse absent. <sup>a</sup> As of April.  
 Source: 1940-1955, U.S. Bureau of the Census, *Current Population Reports*, series P-50. Beginning 1960, U.S. Bureau of Labor Statistics, Bulletin 2086, and unpublished data.

### NO. 624. MARRIED, SEPARATED, AND DIVORCED WOMEN—LABOR FORCE STATUS, BY PRESENCE AND AGE OF CHILDREN: 1960 TO 1967

[As of March. For 1960, civilian noninstitutional persons 14 years old and over, thereafter 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	TOTAL			NO CHILDREN UNDER 18			CHILDREN 6-17 ONLY			CHILDREN UNDER 6		
	Mar-ried <sup>1</sup>	Sepe-rated	Di-vorced	Mar-ried <sup>1</sup>	Sepe-rated	Di-vorced	Mar-ried <sup>1</sup>	Sepe-rated	Di-vorced	Mar-ried <sup>1</sup>	Sepe-rated	Di-vorced
<b>IN LABOR FORCE (mil.)</b>												
1960.....	12.3	(NA)	(NA)	5.7	(NA)	(NA)	4.1	(NA)	(NA)	2.5	(NA)	(NA)
1970.....	18.4	1.4	1.0	8.2	.7	1.1	6.3	.4	.6	3.9	.3	.3
1980.....	24.9	1.9	4.4	11.2	.9	2.3	8.4	.6	1.6	5.2	.4	.5
1982.....	25.8	2.1	5.2	11.8	1.0	2.7	8.3	.7	1.8	5.7	.5	.6
1983.....	26.2	1.9	5.2	12.1	.8	2.8	8.3	.6	1.8	5.9	.5	.6
1984.....	26.9	2.0	5.5	12.3	.9	3.0	8.3	.7	1.9	6.2	.4	.6
1985.....	27.7	2.0	5.9	12.6	1.0	3.3	8.5	.7	2.0	6.4	.4	.6
1986.....	28.2	2.1	6.2	12.9	1.0	3.5	8.6	.8	2.0	6.6	.5	.7
1987.....	29.2	2.1	6.1	13.2	1.0	3.4	9.0	.7	2.0	7.0	.4	.7
<b>PARTICIPATION RATE <sup>2</sup></b>												
1960.....	30.5	(NA)	(NA)	34.7	(NA)	(NA)	39.0	(NA)	(NA)	18.6	(NA)	(NA)
1970.....	40.8	52.1	71.6	42.2	52.3	67.7	49.2	60.6	62.4	30.3	45.4	63.3
1980.....	50.1	59.4	74.5	48.0	58.8	71.4	61.7	68.3	62.3	45.1	52.2	68.3
1982.....	51.2	60.0	74.9	48.2	57.5	71.8	63.2	68.4	63.6	49.7	56.2	67.2
1983.....	51.8	58.7	74.6	48.6	55.6	71.7	63.8	66.7	62.2	49.9	53.6	66.7
1984.....	52.6	60.9	74.3	47.2	56.1	70.5	65.4	70.1	64.1	51.8	53.9	67.7
1985.....	54.2	61.3	75.0	48.2	60.0	72.1	67.8	70.9	63.4	53.4	53.2	67.5
1986.....	54.6	62.2	76.0	48.2	60.4	72.1	68.4	70.6	64.7	53.6	57.4	73.6
1987.....	55.6	61.4	75.4	48.4	57.9	71.9	70.6	72.8	64.5	55.8	55.1	70.6
<b>EMPLOYMENT (mil.)</b>												
1960.....	11.6	(NA)	(NA)	5.4	(NA)	(NA)	3.9	(NA)	(NA)	2.3	(NA)	(NA)
1970.....	17.6	1.3	1.0	7.9	.7	1.0	6.0	.4	.5	3.6	.3	.2
1980.....	23.8	1.7	4.2	10.7	.8	2.2	8.1	.6	1.6	4.8	.4	.5
1982.....	23.9	1.8	4.7	11.1	.8	2.5	7.7	.6	1.7	5.1	.4	.5
1983.....	24.3	1.5	4.7	11.4	.7	2.6	7.7	.5	1.5	5.2	.3	.5
1984.....	25.3	1.7	5.0	11.7	.8	2.8	7.9	.6	1.7	5.7	.3	.5
1985.....	26.1	1.8	5.4	12.2	.9	3.1	8.1	.8	1.8	5.9	.3	.5
1986.....	26.7	1.9	5.7	12.5	.9	3.3	8.3	.5	1.9	6.1	.4	.6
1987.....	27.8	1.9	5.7	12.7	.9	3.2	8.6	.8	1.9	6.5	.3	.3
<b>UNEMPLOYMENT RATE <sup>3</sup></b>												
1960.....	5.4	(NA)	(NA)	4.6	(NA)	(NA)	4.9	(NA)	(NA)	7.8	(NA)	(NA)
1970.....	4.8	6.6	5.4	3.3	4.2	4.7	4.8	5.6	6.5	7.9	13.3	5.2
1980.....	5.3	9.9	6.4	4.5	8.3	4.5	4.4	10.6	6.7	8.3	12.3	13.6
1982.....	7.1	14.5	8.9	5.7	11.7	7.6	7.0	14.6	9.2	10.1	20.1	15.5
1983.....	7.2	19.1	10.2	5.7	13.8	7.1	6.7	20.0	12.6	10.8	27.8	16.8
1984.....	5.7	13.9	8.6	4.6	9.0	6.6	5.0	13.1	9.7	8.6	25.0	14.3
1985.....	5.7	13.7	7.7	4.7	9.0	6.2	5.5	14.6	9.0	8.0	22.9	12.1
1986.....	5.4	10.8	7.5	4.6	7.2	6.1	4.6	11.7	8.2	7.6	16.5	12.9
1987.....	4.5	11.6	6.6	3.6	8.1	5.9	4.9	14.6	6.1	5.9	15.7	13.6

NA. Not available. <sup>1</sup> Husband present. <sup>2</sup> Percent of women in each specific category in the labor force.

<sup>3</sup> Unemployed as a percent of civilian labor force in specified group.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports*, Nos. 13, 130, and 134, Bulletin 2193, and unpublished data.

### NO. 625. LABOR FORCE PARTICIPATION RATES FOR WIVES, HUSBAND PRESENT, BY AGE OF OWN YOUNGEST CHILD: 1975 TO 1987

[As of March. For civilian noninstitutional population, 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

PRESENCE AND AGE OF CHILD	TOTAL				WHITE				BLACK			
	1975	1980	1985	1987	1975	1980	1985	1987	1975	1980	1985	1987
<b>Wives, total</b>	44.5	50.2	54.3	55.8	43.7	48.3	53.4	54.9	54.3	56.3	64.3	65.6
No children under 18.....	44.0	48.0	48.2	48.4	43.6	45.5	47.5	47.9	47.7	51.2	56.1	53.2
With children under 18.....	44.9	54.9	61.0	63.9	43.9	53.2	60.0	62.8	66.8	65.6	71.5	76.1
<b>Under 6, total</b>	36.6	45.3	53.7	56.9	35.0	43.5	52.3	55.5	56.4	63.4	68.3	74.2
Under 3.....	32.6	41.5	50.7	54.5	30.9	40.0	49.6	53.1	52.2	57.7	65.7	71.3
1 year or under.....	30.8	39.0	49.4	52.6	29.2	37.7	48.6	51.2	50.0	52.9	63.7	70.3
2 years.....	37.1	46.1	54.0	59.0	35.1	46.1	52.7	57.7	56.4	71.0	69.9	73.8
3 to 5 years.....	42.2	51.7	58.6	60.9	40.3	49.4	56.6	59.3	61.7	72.3	73.6	77.8
3 years.....	41.2	51.5	58.1	59.0	39.0	48.4	52.7	57.5	62.7	73.4	72.3	76.4
4 years.....	41.2	51.4	58.7	61.7	38.7	49.6	56.4	60.8	64.9	66.4	70.6	75.0
5 years.....	44.4	52.4	62.1	62.5	43.6	50.4	59.9	60.1	56.3	77.8	79.1	82.8
<b>6 to 13 years</b>	51.8	62.6	66.1	70.6	50.8	61.4	67.7	69.6	64.9	71.8	73.5	80.7
<b>14 to 17 years</b>	53.6	60.5	67.0	70.5	53.6	60.6	66.3	70.0	51.0	58.4	74.1	71.6

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, February 1986, and unpublished data.

# A. 636. CIVILIAN EMPLOYMENT IN OCCUPATIONS WITH THE LARGEST JOB GROWTH AND IN THE FASTEST GROWING AND FASTEST DECLINING OCCUPATIONS: 1986 AND 2000

thousands, except percent. For occupations employing 100,000 or more in 1986. Includes wage and salary jobs, self-employed and unpaid family members. Estimates based on the 1983 through 1996 Occupational Employment Statistics Surveys. Source for methodological assumptions. Minus sign (-) denotes decrease.

OCCUPATION	EMPLOYMENT				PERCENT CHANGE, 1986-2000		
	1986	2000 <sup>1</sup>			Low	Moderate	High
		Low	Moderate	High			
<b>Total<sup>2</sup></b>	<b>111,823</b>	<b>136,432</b>	<b>136,836</b>	<b>137,386</b>	<b>13</b>	<b>19</b>	<b>23</b>
<b>LARGEST JOB GROWTH<sup>3</sup></b>							
retail and warehouse	3,576	4,563	4,780	4,871	28	34	36
and waitresses	1,702	2,380	2,454	2,503	38	44	47
and nurses	1,406	1,951	2,018	2,077	38	44	46
and cleaners <sup>4</sup>	2,076	3,144	3,260	3,382	17	23	26
managers and top executives	2,363	2,820	2,966	3,052	18	24	26
	2,105	2,816	2,740	2,796	21	27	29
heavy, light and medium	2,211	2,588	2,736	2,811	18	24	27
office clerks	2,361	2,886	2,824	2,916	14	20	23
sewer, fountain, and related workers	1,500	1,879	1,946	1,986	25	30	32
clerks, orderlies, and attendants	1,224	1,584	1,666	1,681	29	35	36
	3,234	3,470	3,696	3,769	7	13	17
	794	1,104	1,177	1,241	39	48	56
and auditors	945	1,251	1,322	1,371	32	40	45
or programmers	478	758	813	850	58	70	78
operation workers	946	1,227	1,273	1,300	29	34	37
in kindergarten and elementary	1,527	1,778	1,826	1,883	16	20	23
and information clerks	882	913	954	987	34	41	46
or systems analysts, EDP	331	544	582	607	64	76	83
restaurant	520	727	739	779	40	46	50
d practical nurses	631	836	869	881	32	38	41
and groundskeepers, except farm	787	984	1,005	1,039	26	31	35
ence repairers, general utility	1,036	1,205	1,270	1,314	16	22	26
laris, sales floor	1,087	1,255	1,312	1,359	15	21	23
supervisors and managers	956	1,105	1,161	1,200	16	21	25
room, cafeteria attendants, barroom helpers	433	607	631	644	40	46	48
al and electronics engineers	401	544	582	616	36	46	54
	527	676	716	748	28	36	42
client order and fast food	581	748	775	788	27	31	33
	1,010	1,134	1,192	1,252	12	18	24
	306	530	569	586	34	40	43
d managers	635	747	782	824	17	24	29
trvice and lodging managers	509	688	683	686	34	35	35
rs, secondary schools	1,126	1,246	1,280	1,320	10	13	17
al and electronic technicians, technologists	313	428	459	473	37	46	51
tele sales agents	313	422	451	468	35	44	48
er operators, exc. peripheral equipment	263	364	367	403	39	47	53
orkers	285	408	485	500	29	33	37
assistants	132	239	251	258	81	80	86
ng, advertising, pub. relations managers	323	402	427	444	25	32	36
salaries, tech., exc. clerical	170	288	272	282	51	50	56
<b>FASTEST GROWING</b>							
assistants	132	239	251	258	81	80	86
with aides	139	236	249	256	71	80	87
or systems analysts, EDP	331	544	582	607	64	76	83
or programmers	478	758	813	850	58	70	78
gic technologists and technicians	115	183	190	195	58	66	70
salaries and technicians exc. clerical	170	268	272	282	51	50	56
salaries	155	231	244	250	49	57	61
	794	1,104	1,177	1,241	39	48	56
al and electronics engineers	401	544	582	616	36	46	54
er operators, except peripheral equipment	263	364	367	403	39	47	53
ent cooks	520	727	739	778	40	46	50
room, cafeteria attendants, barroom helpers	433	607	631	644	40	46	48
<b>FASTEST DECLINING</b>							
al and electronic assemblers	248	105	118	118	-58	-54	-52
al truck and tractor operators	426	285	293	296	-35	-34	-31
spheres	178	123	128	133	-31	-28	-26
	1,162	610	650	671	-31	-26	-26
draw-out and winding machine operators <sup>5</sup>	218	156	154	175	-28	-25	-20
riters	940	706	750	779	-25	-20	-17
try keyers, except composers	400	315	324	347	-21	-18	-13
and word processors	1,002	620	652	682	-18	-14	-11
machine operators, garment	633	526	541	567	-17	-14	-10
machine setters, operators, tenders	126	101	112	115	-20	-12	-9
se workers, private household	400	284	282	267	-18	-10	-8
cable TV installers and repairers	116	102	108	115	-15	-8	-4

all on low, moderate, or high trend assumptions. <sup>1</sup> Includes other occupations, not shown separately. <sup>2</sup> Based on employment change 1986 to 2000. <sup>3</sup> Includes maids and housekeepers. <sup>4</sup> Includes bartenders. <sup>5</sup> Includes tailors.

U.S. Bureau of Labor Statistics, Monthly Labor Review, September 1997.



## NO. 627. EMPLOYED PERSONS, BY SEX, RACE, AND OCCUPATION: 1986

[For civilian noninstitutional population 16 years old and over. Annual average of monthly figures. Based on Current Population Survey, see text, section 1 and Appendix III. Persons of Hispanic origin may be of any race]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
<b>Total</b>	<b>109,897</b>	<b>44.4</b>	<b>8.9</b>	<b>6.6</b>
<b>Managerial and professional specialty</b>	<b>29,554</b>	<b>43.4</b>	<b>8.0</b>	<b>3.8</b>
Executive, administrative, and managerial <sup>1</sup>	12,642	38.8	5.2	3.7
Officials and administrators, public	487	42.0	8.4	3.6
Financial managers	409	36.4	3.0	4.3
Personnel and labor relations managers	114	48.6	5.5	3.5
Purchasing managers	100	29.4	4.1	3.0
Managers, marketing, advertising and public relations	440	34.9	2.5	2.3
Administrators, education and related fields	500	47.7	8.9	3.5
Managers, medicine and health	127	62.2	8.1	2.7
Managers, properties and real estate	362	44.2	5.2	5.6
Management-related occupations	3,449	46.3	8.7	3.8
Accountants and auditors	1,257	44.9	5.6	4.0
<b>Professional specialty<sup>2</sup></b>	<b>13,911</b>	<b>49.4</b>	<b>6.7</b>	<b>3.3</b>
Architects	132	9.7	3.2	4.1
Engineers <sup>3</sup>	1,749	8.0	3.7	2.6
Electrical and electronic	550	8.9	4.2	2.1
Mechanical	257	3.5	3.8	1.0
Mathematical and computer scientists	631	36.2	7.2	2.5
Computer systems analysts, scientists	365	34.4	6.6	2.4
Natural scientists	364	22.5	2.5	3.2
Health diagnosing occupations <sup>4</sup>	728	15.0	3.3	3.2
Physicians	489	17.6	3.3	4.1
Dentists	132	4.4	5.5	2.0
Health assessment and treating occupations <sup>4</sup>	2,026	65.3	7.0	2.8
Registered nurses	1,486	94.3	6.7	2.4
Therapists	257	74.2	7.8	4.4
Teachers, college and university	639	36.0	4.0	3.2
Teachers, except college and university <sup>5</sup>	3,559	73.4	9.5	3.6
Preschool and kindergarten	359	96.3	12.9	6.1
Elementary school	1,340	65.2	10.8	3.4
Secondary school	1,195	54.9	7.8	2.4
Counselors, educational and vocational	179	53.9	12.9	4.7
Librarians, archivists, and curators	212	82.9	7.4	1.8
Librarians	164	85.9	7.5	1.7
<b>Social scientists and urban planners</b>	<b>312</b>	<b>46.0</b>	<b>5.5</b>	<b>2.8</b>
Psychologists	165	52.5	6.8	3.1
<b>Social, recreation, and religious workers</b>	<b>911</b>	<b>45.9</b>	<b>12.5</b>	<b>5.3</b>
Social workers	480	65.0	17.6	7.3
Lawyers and judges	650	16.1	3.0	1.9
Writers, artists, entertainers, and athletes	1,781	45.0	5.2	4.0
<b>Technical, sales, and administrative support</b>	<b>34,954</b>	<b>64.7</b>	<b>8.5</b>	<b>6.5</b>
Technicians and related support	3,364	47.0	8.2	4.0
Health technologists and technicians	1,124	84.1	12.4	3.7
Licensed practical nurses	417	97.5	17.2	2.9
Engineering and related technologists and technicians	937	17.7	6.3	5.3
Electrical and electronic technicians	326	12.6	7.0	4.5
Science technicians	208	27.9	7.0	4.2
Technicians, except health, engineering, and science	1,095	37.6	5.6	3.1
Computer programmers	549	34.0	5.9	2.2
<b>Sales occupations</b>	<b>13,245</b>	<b>48.2</b>	<b>5.7</b>	<b>4.9</b>
Supervisors and proprietors	3,493	30.5	4.0	4.4
Sales representatives, finance and business services <sup>6</sup>	2,255	41.5	3.9	3.4
Insurance sales	562	26.7	5.6	3.9
Real estate sales	737	50.6	2.1	3.5
Securities and financial services sales	263	24.5	3.1	2.6
Sales representatives, commodities, except retail	1,505	16.3	2.2	3.4
Sales workers, retail and personal services	5,927	66.6	8.2	6.1
Cashiers	2,810	82.9	12.3	6.8
Sales-related occupations	65	84.6	4.5	2.4
<b>Administrative support, including clerical</b>	<b>17,745</b>	<b>60.4</b>	<b>10.7</b>	<b>5.9</b>
Supervisors	727	59.3	10.6	5.1
Computer equipment operators	859	66.5	14.0	8.1
Computer operators	853	66.5	14.0	8.0
Secretaries, stenographers, and typists <sup>7</sup>	4,940	68.2	8.5	5.1
Secretaries	4,023	69.0	8.9	4.8
Typists	870	65.2	16.3	6.6
<b>Information clerks</b>	<b>1,326</b>	<b>69.7</b>	<b>8.4</b>	<b>6.7</b>
Receptionists	724	67.1	7.4	6.7
Records processing occupations, except financial	845	81.4	14.4	7.0
File clerks	311	64.5	17.8	6.6
Financial records processing	2,473	60.8	5.4	4.1
Bookkeepers, accounting, and auditing clerks	2,007	91.9	4.1	3.6

See Appendixes at end of table.

# Employed Persons

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## NO. 627. EMPLOYED PERSONS, BY SEX, RACE, AND OCCUPATION: 1986—Continued

[See headnote, page 376]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
<b>Technical, sales, and administrative support—Con.</b>				
Administrative support, including clerical—Con.				
Duplicating, mail and other office machine operators	77	81.9	16.9	7.2
Communications equipment operators	230	87.4	17.5	6.6
Telephone operators	220	87.9	17.4	6.6
Mail and message distributing occupations	803	94.4	20.3	6.2
Postal clerks, except mail carriers	296	49.6	29.6	7.1
Material recording, scheduling, and distributing clerks	1,636	98.5	11.8	8.1
Adjusters and investigators	824	72.9	11.1	6.7
Miscellaneous administrative support <sup>1</sup>	2,902	94.9	13.4	6.6
General office clerks	740	80.5	13.0	6.1
Bank tellers	482	91.8	7.8	5.3
Data entry keyers	343	91.1	18.8	8.1
Teachers' aides	381	94.2	17.9	10.8
<b>Service occupations</b>	14,888	86.7	16.9	6.9
Private household <sup>1</sup>	981	88.0	23.8	12.9
Child care workers	400	97.4	8.3	6.1
Cleaners and servants	527	85.3	36.5	17.8
Protective service <sup>1</sup>	1,787	12.4	15.0	6.6
Firefighting and fire prevention	218	2.2	7.3	4.6
Police and detectives	886	10.9	14.8	5.2
Guard	741	15.4	18.0	6.4
Service except private household and protective	11,813	86.0	16.6	9.0
Food preparation and service occupations <sup>1</sup>	5,127	82.8	12.1	8.8
Barenders	322	48.9	3.1	6.2
Waiters and waitresses	1,403	85.1	5.1	6.2
Cooks, except short order	1,563	90.8	17.2	8.6
Short-order cooks	111	38.8	22.8	6.1
Food counter, fountain, and related occupations	340	78.5	12.8	6.3
Kitchen workers, food preparation	126	78.3	18.2	11.1
Waiters and waitresses' assistants	332	38.2	15.1	14.8
Health service occupations	1,823	89.9	25.1	6.7
Dental assistants	167	88.0	4.2	7.1
Health aides, except nursing	367	83.4	18.8	7.8
Nursing aides, orderlies, and attendants	1,289	90.5	29.6	6.0
Cleaning and building service occupations <sup>1</sup>	2,881	41.5	23.8	12.8
Maid and housemen	563	84.8	29.8	13.9
Janitors and cleaners	2,075	30.9	22.8	12.7
Personal service occupations <sup>1</sup>	2,101	80.0	10.8	7.2
Barbers	92	16.6	9.6	7.2
Hairdressers and cosmetologists	718	88.8	7.3	7.3
Attendants, amusement and recreation facilities	121	43.1	6.3	3.8
Public transportation attendants	71	77.1	7.3	6.2
Welfare service aides	87	91.7	22.6	12.8
Child care workers, except private household	762	86.5	11.4	6.9
<b>Precision production, craft, and repair</b>	13,486	6.8	7.8	7.7
Mechanics and repairers	4,374	3.6	7.3	6.8
Mechanics and repairers, except supervisors <sup>1</sup>	4,127	3.2	7.4	7.1
Vehicle and mobile equipment mechanics and repairers	1,787	1.0	6.7	7.6
Automobile mechanics	671	1.0	7.6	8.4
Electrical and electronic equipment repairers	710	9.0	7.9	6.0
Telephone installers and repairers	228	13.3	8.1	6.0
Construction trades	4,824	2.0	7.1	7.4
Construction trades, except supervisors	4,308	2.1	7.6	7.9
Carpenters	1,327	1.4	6.3	6.7
Extractive occupations	171	2.4	3.7	11.0
Precision production occupations	3,836	22.8	6.5	8.8
<b>Operators, fabricators, and laborers</b>	17,188	36.4	16.1	10.6
Machine operators, assemblers, and inspectors <sup>1</sup>	7,811	40.3	14.7	12.1
Textile, apparel, and furnishings machine operators <sup>1</sup>	1,328	79.8	21.4	16.9
Textile sewing machine operators	737	90.6	17.1	21.0
Pressing machine operators	138	71.9	33.7	18.2
Fabricators, assemblers, and hand working occupations	1,849	32.4	12.7	10.8
Production inspectors, testers, samplers, and weighers	817	48.6	13.6	9.5
Transportation and material moving occupations	4,584	18.8	14.0	7.5
Motor vehicle operators	3,380	6.8	14.8	7.4
Trucks, heavy and light	2,482	4.3	13.3	7.7
Transportation occupations, except motor vehicles	203	2.1	3.9	4.3
Material moving equipment operators	881	3.6	13.6	8.7
Industrial truck and tractor operators	388	5.0	18.4	11.1
Handlers, equipment cleaners, helpers, and laborers <sup>1</sup>	4,885	16.3	16.6	10.6
Freight, stock, and material handlers	1,713	16.8	17.0	8.2
Laborers, except construction	1,126	17.7	18.0	9.8
<b>Farming, forestry, and fishing</b>	3,444	15.9	6.6	16.6
Farm operators and managers	1,337	14.1	1.4	1.1
Other agricultural and related occupations	1,917	18.1	9.7	17.4
Farm workers	840	23.8	8.6	21.1
Forestry and logging occupations	112	4.4	16.8	3.6
Fishers, hunters, and trappers	77	8.0	(2)	11.7

Z Less than .05 percent. <sup>1</sup> Includes other occupations, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1987.

No. 628. EMPLOYED CIVILIANS BY OCCUPATIONAL GROUP, SEX, RACE, AND EDUCATIONAL  
ATTAINMENT: 1987

[As of March. For civilian noninstitutional population 25 years old and over. Based on Current Population Survey; see text, sec 1 and Appendix III]

SEX, RACE, AND YEARS OF SCHOOL COMPLETED	Total employed	Man- gerial/ profes- sional	Tech./ sales/ adminis- trative	Service <sup>1</sup>	Precision produc- tion <sup>2</sup>	Operators fabrica- tors <sup>3</sup>	Farm fore- fish
NUMBER (1,000)							
Male, total:							
Less than 4 years of high school.....	8,308	478	703	943	2,350	3,050	
4 years of high school only.....	18,551	2,120	3,453	1,784	5,534	4,601	
1 to 3 years of college.....	9,539	2,352	2,810	937	1,905	1,277	
4 years of college or more.....	14,166	9,470	3,058	437	627	403	
White:							
Less than 4 years of high school.....	6,975	431	610	701	2,088	2,453	
4 years of high school only.....	16,367	1,980	3,108	1,388	5,008	4,010	
1 to 3 years of college.....	8,417	2,164	2,491	748	1,732	1,043	
4 years of college or more.....	12,875	8,717	2,767	368	542	320	
Black:							
Less than 4 years of high school.....	1,154	26	86	193	233	536	
4 years of high school only.....	1,823	107	273	325	356	712	
1 to 3 years of college.....	822	137	213	144	122	196	
4 years of college or more.....	825	354	135	46	45	41	
Female, total:							
Less than 4 years of high school.....	4,932	245	1,033	1,973	228	1,327	
4 years of high school only.....	17,538	2,190	9,392	3,361	5,2	1,876	
1 to 3 years of college.....	8,344	2,345	4,569	919	136	311	
4 years of college or more.....	9,315	6,392	2,357	331	87	119	
White:							
Less than 4 years of high school.....	3,604	223	906	1,337	189	1,038	
4 years of high school only.....	15,279	2,022	8,497	2,675	441	1,489	
1 to 3 years of college.....	7,096	2,075	3,865	752	109	234	
4 years of college or more.....	8,097	5,639	1,996	267	78	85	
Black:							
Less than 4 years of high school.....	948	13	113	568	24	219	
4 years of high school only.....	1,886	130	766	577	59	348	
1 to 3 years of college.....	992	200	574	127	21	69	
4 years of college or more.....	716	484	164	31	6	11	
PERCENT DISTRIBUTION							
Male, total:							
Less than 4 years of high school.....	100.0	5.7	8.5	11.4	28.3	38.7	
4 years of high school only.....	100.0	11.4	18.6	9.6	29.8	25.9	
1 to 3 years of college.....	100.0	24.7	29.5	9.8	20.0	13.4	
4 years of college or more.....	100.0	86.9	21.6	3.1	4.4	2.8	
White:							
Less than 4 years of high school.....	100.0	6.2	8.7	10.1	29.9	35.2	
4 years of high school only.....	100.0	12.1	19.0	8.5	31.1	24.5	
1 to 3 years of college.....	100.0	25.7	29.6	8.9	20.5	12.4	
4 years of college or more.....	100.0	67.7	21.5	2.8	4.2	2.5	
Black:							
Less than 4 years of high school.....	100.0	2.2	7.4	16.7	20.2	48.5	
4 years of high school only.....	100.0	5.9	15.0	17.8	19.5	39.0	
1 to 3 years of college.....	100.0	16.7	25.9	17.5	14.9	23.9	
4 years of college or more.....	100.0	56.6	21.6	7.4	7.2	6.6	
Female, total:							
Less than 4 years of high school.....	100.0	5.0	20.9	40.0	4.6	28.9	
4 years of high school only.....	100.0	12.5	53.5	19.2	3.0	10.7	
1 to 3 years of college.....	100.0	28.1	54.8	11.0	1.6	3.7	
4 years of college or more.....	100.0	68.6	25.3	3.6	.9	1.3	
White:							
Less than 4 years of high school.....	100.0	5.9	23.8	35.1	5.0	27.3	
4 years of high school only.....	100.0	13.2	55.6	17.5	2.9	9.6	
1 to 3 years of college.....	100.0	29.2	54.4	10.6	1.5	3.3	
4 years of college or more.....	100.0	69.7	24.7	3.3	1.0	1.1	
Black:							
Less than 4 years of high school.....	100.0	1.4	11.9	59.9	2.5	23.1	
4 years of high school only.....	100.0	6.9	40.7	30.8	3.1	18.5	
1 to 3 years of college.....	100.0	20.2	57.9	12.8	2.1	7.0	
4 years of college or more.....	100.0	67.6	25.7	4.3	.8	1.5	

- Represents zero.

<sup>1</sup> Includes private household workers.

<sup>2</sup> Includes craft and repair.

<sup>3</sup> Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

**B. OCCUPATIONS OF EMPLOYED CIVILIANS, BY SEX AND EDUCATIONAL ATTAINMENT: 1967**

1. For civilian noninstitutional population 25 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

SCHOOL COMPLETED	TOTAL <sup>1</sup>		MANAGERIAL/ PROFES- SIONAL		TECHNICAL/ SALES/ ADMINISTRA- TIVE		SERVICE <sup>2</sup>		PRECISION PRODUC- TION <sup>3</sup>		OPERA- TORS/ FABRICA- TORS <sup>3</sup>	
	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
<b>SEX (1,000)</b>												
.....	99,592	40,139	14,419	11,171	10,022	17,360	4,192	6,582	10,415	8,530	3,539	1,539
Years of high school.....	8,308	4,932	476	245	703	1,033	943	1,973	2,350	3,050	1,327	1,327
In school only.....	18,551	17,538	2,120	2,190	3,453	9,392	1,784	3,361	5,534	4,801	1,878	1,878
% college.....	9,539	8,344	2,352	2,345	2,810	4,566	937	919	1,906	1,277	311	311
High school or more.....	14,166	9,315	9,470	6,392	3,058	2,257	437	331	627	403	119	119
<b>PERCENT DISTRIBUTION</b>												
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Years of high school.....	18.4	12.3	3.3	2.2	7.0	6.0	23.0	30.0	22.6	23.2	32.0	36.5
In school only.....	36.7	43.7	14.7	19.8	34.4	54.1	43.5	51.0	53.1	54.1	50.4	51.8
% college.....	18.7	20.8	16.3	21.0	28.0	26.3	22.8	14.0	18.3	13.8	13.4	6.8
High school or more.....	28.0	23.2	65.7	57.2	30.5	13.8	10.7	5.0	8.0	8.9	4.2	3.3

other occupations not shown separately. <sup>2</sup> Includes private household workers. <sup>3</sup> Includes craft and repair laborers.

1. Bureau of Labor Statistics, unpublished data.

**C. EMPLOYMENT, BY INDUSTRY, 1970 TO 1986, AND BY SELECTED CHARACTERISTICS, 1986**

1. except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Current Population Survey; see text, section 1 and Appendix III. Data from 1984 forward not strictly comparable with 1970 due to changes in industrial classification]

INDUSTRY	1970	1975	1980	1984	1986	1986			
						Total	Fe- male	Black	His- panic <sup>1</sup>
<b>Employed</b>	78,878	95,848	98,303	105,006	107,190	108,987	44.4	8.9	6.8
.....	3,463	3,406	3,364	3,321	3,179	3,163	20.6	4.9	10.4
.....	518	752	979	957	939	890	16.3	3.7	6.9
.....	4,818	5,093	6,215	6,665	6,987	7,288	8.6	6.8	7.2
1. communication, and other	20,748	19,457	21,942	20,996	20,879	20,962	32.1	10.1	7.9
2. retail trade	5,320	5,992	6,525	7,358	7,548	7,860	27.4	13.1	5.8
3. trade	15,008	17,713	20,191	21,979	22,296	22,813	47.4	7.8	6.7
4. finance, real estate	2,672	3,362	3,920	4,212	4,341	4,416	28.6	6.1	6.4
5. other financial	12,336	14,331	16,270	17,767	17,956	18,397	52.0	8.2	6.8
6. other financial	3,945	4,735	5,993	6,750	7,005	7,401	50.2	7.8	5.2
7. and real estate	1,697	1,951	2,568	3,032	3,135	3,263	64.9	7.8	5.0
8. and real estate	2,248	2,783	3,425	3,720	3,870	4,137	54.7	7.7	5.4
9. services <sup>2</sup>	20,385	24,174	26,752	32,214	33,322	34,337	61.6	11.5	5.9
10. to dwellings and buildings	1,403	1,696	2,361	3,629	3,899	4,306	48.3	10.9	6.2
11. supply services	147	154	181	244	263	270	54.1	4.1	4.9
12. management/consulting	(NA)	274	370	571	571	601	44.3	18.6	14.2
13. and data processing	(NA)	125	235	467	580	618	75.1	20.0	5.7
14. protective services	(NA)	194	307	372	395	446	50.7	8.0	2.1
15. services	(NA)	108	221	456	548	610	41.6	5.1	2.2
16. services	(NA)	172	213	311	318	335	19.7	18.4	7.9
17. services	900	711	952	1,186	1,322	1,260	11.6	7.4	11.0
18. households	4,278	3,772	3,839	4,174	4,352	4,472	73.0	15.3	9.6
19. and lodging places	1,782	1,382	1,257	1,243	1,254	1,241	85.2	23.5	12.0
20. and recreation	979	996	1,149	1,347	1,451	1,523	68.2	14.2	11.0
21. and related services <sup>2</sup>	717	965	1,047	1,260	1,278	1,292	40.8	9.3	5.4
22. services	12,904	16,573	19,853	21,174	21,563	22,174	67.4	11.4	4.8
23. services	2,843	3,441	4,038	4,288	4,269	4,368	76.5	15.8	5.3
24. services	1,628	2,506	3,345	3,646	3,641	3,761	77.1	11.1	4.4
25. primary, secondary schools	6,126	6,077	5,550	5,347	5,431	5,510	71.9	12.0	4.9
26. and universities	1,852	2,108	2,209	2,261	2,342	2,342	51.0	9.6	4.1
27. services	828	1,247	1,560	1,595	1,682	1,605	77.8	16.6	6.5
28. services	429	541	776	936	995	1,034	55.8	4.4	3.9
29. administration <sup>2</sup>	4,475	4,824	5,342	4,788	4,995	5,104	41.4	14.3	5.1

1. Hispanic persons may be of any race. <sup>2</sup> Includes industries not shown separately. <sup>3</sup> Includes industries used in uniquely governmental activities, e.g., judicial and legislative.

1. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

## No. 631. EMPLOYMENT BY SELECTED INDUSTRY, 1970 TO 1986, AND PROJECTIONS, 2000

(In thousands, except percent. Figures may differ from those in other tables since these data exclude establishments not elsewhere classified (SIC 99); in addition, agriculture services (SIC 074, 5, 8) are included in agriculture, not services. See source for details.)

SIC <sup>1</sup> code	INDUSTRY	EMPLOYMENT				ANNUAL AVERAGE RATE OF CHANGE		
		1970	1980	1986	2000 <sup>2</sup>	1970-1980	1980-1986	1986-2000
(x)	Total	81,864	102,019	111,823	123,029	2.3	1.6	1.2
(x)	Nonfarm wage and salary	70,725	90,043	99,044	119,150	2.4	1.6	1.2
(x)	Goods-producing (including agriculture)	23,578	25,650	24,681	24,678	.8	.6	-.1
10-14	Mining	623	1,027	783	724	5.1	4.4	-1.1
15-17	Construction	3,588	4,346	4,904	5,794	1.9	2.0	1.2
20-39	Manufacturing	19,367	20,286	18,994	18,160	.5	-1.1	-.4
24, 25, 32-39	Durable	11,210	12,188	11,244	10,731	.8	-1.3	-.5
24	Lumber and wood products	648	691	711	693	.7	.5	-.2
25	Furniture and fixtures	440	465	497	463	.6	1.1	-.5
32	Stone, clay, and glass products	644	662	660	535	.3	-2.0	-1.7
33	Primary metal industries	1,280	1,142	753	574	-1.0	-6.7	-1.1
331	Blast furnaces and basic steel products	627	512	275	202	-2.0	-9.6	-2.3
34	Fabricated metal products	1,560	1,613	1,433	1,313	.3	2.0	-.1
35	Machinery, except electrical	1,884	2,494	2,050	2,129	2.3	3.1	-.7
3573	Electronic computing equipment	194	354	418	503	8.2	2.8	1.7
36	Electrical and electronic equipment <sup>3</sup>	1,871	2,091	2,124	2,128	1.1	.3	.0
3662	Radio and TV communication equipment	362	378	505	542	.4	4.9	.5
3674	Semiconductors and related devices	(NA)	223	268	269	(NA)	3.1	.0
37	Transportation equipment	1,852	1,900	2,016	1,897	.3	1.0	-.1
371	Motor vehicles	799	788	865	749	.1	1.6	-1.1
38	Instruments and related products	527	712	707	771	3.1	-.1	.6
39	Miscellaneous manufacturing	428	418	362	329	-.2	-2.4	-.6
20-23, 26-31	Nondurable	8,157	8,068	7,750	7,429	-.1	-.7	-.4
20	Food and kindred products	1,786	1,708	1,617	1,456	.4	.8	-.6
21	Tobacco manufactures	83	66	58	46	1.6	-2.6	-1.2
22	Textile mill products	874	847	708	607	-1.4	-3.0	-1.1
23	Apparel and other textile products	1,364	1,264	1,105	924	-.8	-2.2	-.1
26	Paper and allied products	705	693	675	655	-.2	.4	-.1
27	Printing and publishing	1,104	1,252	1,458	1,708	1.3	2.6	.7
28	Chemicals and allied products	1,049	1,107	1,023	950	.5	1.3	-.3
29	Petroleum and coal products	192	198	160	127	.3	-2.6	-.2
30	Rubber and miscellaneous plastics products	580	727	789	861	2.3	1.4	.7
31	Leather and leather products	320	233	152	96	-3.1	6.9	3.1
(x)	Service-producing	47,147	64,364	74,383	94,478	3.2	2.4	1.1
40-42, 44-46	Transportation and public utilities	4,517	5,146	5,244	5,719	1.3	.3	.5
40-42, 44-47	Transportation	2,686	2,962	3,041	3,500	.9	.4	1.1
48	Communications	1,130	1,357	1,279	1,222	1.6	-1.0	-.2
49	Public utilities	691	827	924	996	1.8	1.9	.7
50-51	Wholesale trade	3,993	5,275	5,735	7,269	2.6	1.4	1.7
52-59	Retail trade	11,048	15,036	17,845	22,702	3.1	2.8	1.7
58	Eating and drinking places	2,575	4,626	5,879	8,365	6.0	4.1	2.1
60-67	Finance, insurance, and real estate	3,846	5,159	6,297	7,917	3.5	3.4	1.7
70-86, 88	Services <sup>4</sup>	11,390	17,528	22,531	32,545	4.4	4.3	2.1
70	Hotels and other lodging places	(NA)	1,078	1,401	1,971	(NA)	4.6	2.1
72	Personal services	969	901	1,104	1,357	.9	3.4	1.2
73	Business services <sup>4</sup>	1,676	3,062	4,781	6,121	6.3	7.5	3.1
734	Services to dwellings and other buildings	295	486	681	1,020	5.3	5.5	2.1
736	Personnel supply services	(NA)	563	1,017	1,851	(NA)	10.4	4.4
737	Computer and data processing services	(NA)	304	591	1,203	(NA)	11.7	5.2
7391, 2, 7	Research, management, and consulting services	(NA)	538	788	1,301	(NA)	6.5	3.1
79	Amusement and recreation services	468	784	915	1,204	5.0	3.1	2.1
80	Health services	3,053	5,278	6,561	9,774	5.6	3.7	2.1
801-4	Offices of health practitioners	(NA)	1,211	1,672	3,061	(NA)	5.5	4.4
805	Nursing and personal care facilities	(NA)	997	1,250	2,097	(NA)	3.8	3.1
806	Hospitals, private	1,863	2,750	3,038	3,513	4.0	1.7	1.1
807-8	Outpatient facilities and health services, N.E.C. <sup>4</sup>	(NA)	320	591	1,103	(NA)	10.7	4.1
81	Legal services	236	498	748	1,267	7.6	7.0	3.1
82	Educational services	940	1,138	1,426	1,620	1.6	3.9	.7
83, 4, 8, 9	Social, membership, and miscellaneous services	(NA)	3,704	4,296	5,569	(NA)	2.5	1.1
(x)	Government	12,553	16,241	16,711	16,329	2.6	.5	-.3
(x)	Federal government	2,731	2,866	2,699	3,000	.5	.2	.7
(x)	State and local government	9,822	13,375	13,812	15,329	3.1	.5	1.0
01, 2, 7, 8, 9	Agriculture	3,506	3,426	3,252	2,917	-.2	-.9	-.1
86	Private households	1,794	1,256	1,241	1,215	-3.5	-.2	-.1
(x)	Nonfarm self-employed and unpaid family workers	5,639	7,294	8,086	9,741	2.6	1.7	1.2

- Represents or rounds to zero. NA Not available. X Not applicable. <sup>1</sup> Standard Industrial Classification; see text section 13. <sup>2</sup> Projections based on assumptions of moderate growth; see source for details.

<sup>3</sup> Includes other industries, not shown separately. <sup>4</sup> N.E.C. means not elsewhere classified.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, September 1987.

## NO. 632. UNEMPLOYED WORKERS—SUMMARY: 1972 TO 1986

na, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly or data on unemployment insurance, see table 581. See also *Historical Statistics, Colonial Times to 1970*, series D 87-

A AND CHARACTERISTIC	1972	1975	1980	1981	1982	1982	1984	1986	1986
UNEMPLOYED									
force time lost <sup>2</sup> (percent).....	4,882 5.9	7,929 9.1	7,637 7.9	8,273 8.5	10,678 11.0	10,717 10.9	8,539 8.6	8,312 8.1	8,237 7.9
old.....	1,308	1,767	1,669	1,763	1,977	1,829	1,499	1,468	1,454
old.....	1,132	1,865	1,835	1,976	2,392	2,330	1,838	1,738	1,651
old.....	1,454	2,727	2,984	3,276	4,589	4,728	3,709	3,681	3,761
old.....	878	1,413	1,075	1,159	1,813	1,716	1,394	1,331	1,279
d over.....	111	155	94	98	107	114	97	93	91
.....	2,659	4,442	4,267	4,577	6,179	6,280	4,744	4,521	4,530
rs old.....	711	966	913	962	1,090	1,003	812	806	779
rs old.....	628	1,081	1,076	1,144	1,407	1,389	1,023	944	990
rs old.....	750	1,493	1,819	1,765	2,670	2,769	2,050	1,950	2,054
rs old.....	499	801	600	651	943	1,046	808	769	741
and over.....	73	103	58	55	69	73	53	55	58
.....	2,222	3,486	3,370	3,696	4,499	4,457	3,794	3,791	3,707
rs old.....	596	802	755	800	886	825	687	661	675
rs old.....	503	763	760	833	985	981	815	794	752
rs old.....	706	1,235	1,345	1,511	1,919	1,958	1,659	1,732	1,706
rs old.....	376	612	473	598	670	671	589	566	539
and over.....	36	52	36	43	36	41	45	39	33
.....	3,806	6,421	5,894	6,343	8,241	6,128	6,372	6,191	6,140
rs old.....	1,021	1,413	1,291	1,374	1,534	1,387	1,116	1,074	1,070
rs old.....	687	1,474	1,364	1,449	1,770	1,678	1,282	1,235	1,149
.....	806	1,369	1,553	1,731	2,142	2,272	1,914	1,864	1,840
rs old.....	279	330	343	357	396	392	353	357	347
rs old.....	226	362	426	483	565	591	504	455	453
.....	(NA)	508	620	676	929	961	800	811	857
rsers.....	3,806	6,523	6,269	6,795	9,006	9,075	7,057	6,793	6,709
rsers.....	1,077	1,406	1,369	1,477	1,672	1,642	1,481	1,519	1,529
LOYMENT RATE (percent) <sup>4</sup>									
.....	5.6	8.5	7.1	7.6	9.7	9.6	7.6	7.2	7.6
old.....	16.2	19.9	17.8	19.6	23.2	22.4	18.9	18.6	18.3
old.....	9.3	13.6	11.5	12.3	14.9	14.5	11.5	11.1	10.7
old.....	4.1	8.9	8.0	6.3	8.6	8.5	6.4	6.2	6.1
old.....	3.1	5.0	3.7	4.0	5.8	5.9	4.8	4.5	4.3
d over.....	3.6	5.2	3.1	3.2	3.5	3.7	3.3	3.2	3.0
.....	5.0	7.9	8.9	7.4	9.9	9.9	7.4	7.0	6.9
rs old.....	15.9	20.1	16.3	20.1	24.4	23.3	19.6	19.5	19.0
rs old.....	9.3	14.3	12.5	13.2	16.4	15.9	11.9	11.4	11.0
rs old.....	3.3	6.1	5.6	6.0	8.7	8.8	6.3	5.9	6.0
rs old.....	2.6	4.8	3.5	3.8	5.6	6.2	4.8	4.5	4.4
and over.....	3.6	5.4	3.1	2.9	3.7	3.9	3.0	3.1	3.2
.....	6.6	9.3	7.4	7.9	9.4	9.2	7.6	7.4	7.1
rs old.....	16.7	19.7	17.2	19.0	21.9	21.3	18.0	17.6	17.6
rs old.....	9.4	12.7	10.4	11.2	13.2	12.9	10.9	10.7	10.3
rs old.....	5.6	8.1	6.4	6.9	8.3	8.2	6.6	6.6	6.2
rs old.....	3.5	5.6	4.0	4.3	5.8	5.6	4.9	4.6	4.2
and over.....	3.5	5.0	3.1	3.6	3.2	3.4	3.8	3.3	2.8
.....	5.1	7.6	6.3	8.7	6.6	8.4	6.5	6.2	6.0
rs old.....	14.2	17.9	15.5	17.3	20.4	19.3	16.0	15.7	15.6
rs old.....	6.4	12.3	9.9	10.4	12.8	12.1	9.3	9.2	8.7
rs old.....	10.4	14.8	14.3	15.6	18.9	19.5	15.9	15.1	14.5
rs old.....	35.4	39.5	38.5	41.4	48.0	48.5	42.7	40.2	39.3
rs old.....	16.3	24.5	23.8	26.4	30.5	31.4	26.1	24.5	24.1
.....	(NA)	12.2	10.1	10.4	13.8	13.7	10.7	10.5	10.6
workers <sup>5</sup> .....	5.3	8.2	6.9	7.3	9.3	9.2	7.1	6.8	6.6
ntaining families.....	7.2	10.0	9.2	10.4	11.7	12.2	10.3	10.4	9.8
.....	5.8	8.5	7.3	8.1	9.4	9.1	7.8	8.1	7.7
.....	(NA)	(NA)	14.0	16.2	18.0	20.2	16.7	16.4	15.4
l, wife present <sup>1</sup> .....	2.6	5.1	4.2	4.3	6.5	6.5	4.6	4.3	4.4
.....	2.8	4.8	3.9	4.0	6.0	6.0	4.3	4.0	4.0
.....	4.5	8.7	7.4	8.8	11.5	11.3	8.1	8.0	8.0
out work for—									
5 weeks.....	45.9	37.1	43.1	41.7	36.4	33.3	39.2	42.1	41.9
rs.....	22.5	22.2	23.4	22.4	21.7	19.4	20.6	22.2	22.6
rs.....	7.6	9.1	9.0	8.3	9.4	8.0	8.1	8.0	8.4
rs.....	12.3	16.4	13.8	13.6	16.0	15.4	12.9	12.3	12.7
and over.....	11.6	15.2	10.7	14.0	16.6	23.9	19.1	15.4	14.4
ent duration, average (weeks)....	12.1	14.2	11.9	13.7	15.6	20.0	16.2	15.8	15.0

available. <sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Aggregate hours lost by the unemployed and persons for economic reasons as a percent of potentially available labor force hours. <sup>3</sup> Hispanic persons may be of any unemployed as percent of civilian labor force in specified group. <sup>4</sup> Wage and salary workers.

U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.



## NO. 633. UNEMPLOYED PERSONS, BY SEX AND REASON, 1970 TO 1986, AND BY DURATION, 1986

[In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix M]

SEX AND REASON UNEMPLOYED	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986				
											Total	Duration of unemployment (percent)			
												Less than 5 weeks	5 to 14 weeks	1 year or over	
Male	2,238	4,442	3,142	3,120	4,267	4,577	6,179	6,380	4,744	4,821	4,536	4,536	37.8	31.1	3
Job losers	1,190	2,909	1,622	1,667	2,649	2,821	4,278	4,331	2,976	2,749	2,725	2,725	32.8	31.3	3
Job leavers	282	375	419	427	438	435	390	388	375	409	520	520	44.4	32.1	2
Reentrants	533	782	708	673	776	850	946	953	667	676	605	605	44.7	30.0	2
New entrants	224	377	394	352	405	472	585	589	528	487	490	490	47.6	31.2	2
Female	1,855	3,486	3,081	3,018	3,370	3,698	4,499	4,457	3,794	3,791	2,787	2,787	46.8	36.9	2
Job losers	814	1,478	984	968	1,297	1,448	1,990	1,928	1,445	1,390	1,308	1,308	37.1	32.5	3
Job leavers	267	452	455	453	454	488	450	444	449	458	494	494	49.8	31.3	1
Reentrants	696	1,110	1,151	1,133	1,151	1,252	1,438	1,459	1,317	1,360	1,355	1,355	51.7	30.1	1
New entrants	279	447	491	466	488	509	621	627	584	552	549	549	55.1	26.9	1

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and Bulletin 2086.

## NO. 634. UNEMPLOYMENT RATE BY SEX, RACE, AND EDUCATIONAL ATTAINMENT: 1970 TO 1987

[In percent. As of March. Civilian noninstitutional population 16 and over for 1970; 16 years old and over for 1975 and later years. Based on Current Population Survey; see text, section 1 and Appendix M]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
<b>Male: Total</b> <sup>1</sup>	3.7	9.0	7.5	8.3	5.8	8.8	8.1	10.3	11.9	9.6	7.8	7.8	
High school: 1-3 years	5.6	14.7	13.4	12.1	11.9	12.8	15.6	19.4	21.4	17.6	16.2	15.3	1
4 years	3.4	9.1	7.2	5.9	5.5	8.9	8.8	11.3	13.8	9.4	8.3	8.6	
College: 1-3 years	3.8	6.6	5.5	4.3	4.3	5.0	5.2	7.5	9.3	5.7	5.0	5.4	
4 years or more	1.3	2.5	2.6	2.2	1.9	1.8	2.1	3.2	3.6	2.6	2.6	2.5	
<b>Female: Total</b> <sup>1</sup>	4.9	9.5	8.5	7.0	6.8	8.7	7.6	8.9	9.7	7.7	7.4	7.2	
High school: 1-3 years	7.4	15.9	14.3	12.9	12.7	13.3	15.0	16.0	19.6	16.2	15.5	15.5	1
4 years	4.6	9.1	7.8	6.6	6.1	8.4	7.4	9.2	9.7	7.6	7.7	7.6	
College: 1-3 years	4.0	7.4	6.8	5.1	4.3	4.9	5.0	6.1	6.6	6.1	5.3	5.1	
4 years or more	2.0	3.6	4.2	3.0	3.0	2.5	3.0	3.3	4.0	2.7	2.5	2.4	
<b>White: Total</b> <sup>1</sup>	3.9	8.5	7.2	5.8	5.4	6.0	7.0	8.6	9.7	7.2	6.6	6.6	
High school: 1-3 years	5.7	14.0	12.7	10.7	10.9	11.6	13.5	17.0	19.0	15.2	14.2	13.5	1
4 years	3.6	8.4	6.8	5.5	5.0	5.9	7.2	9.1	10.3	7.4	7.0	7.0	
College: 1-3 years	3.7	6.8	5.5	4.1	3.8	4.4	4.4	5.8	7.0	5.1	4.2	4.5	
4 years or more	1.5	2.6	3.2	2.3	2.1	1.9	2.3	2.9	3.4	2.5	2.3	2.3	
<b>Black: Total</b> <sup>1,2</sup>	8.7	14.7	14.7	13.2	12.6	13.4	15.9	18.9	21.0	17.1	16.6	15.0	1
High school: 1-3 years	9.5	22.0	20.0	21.6	19.6	20.6	24.7	24.1	29.5	27.1	24.7	24.7	2
4 years	7.2	15.2	14.4	12.7	12.8	13.1	16.4	20.7	22.8	18.3	16.2	16.1	1
College: 1-3 years	6.1	10.1	12.5	10.4	8.8	10.8	11.8	15.8	17.3	12.0	12.3	10.5	1
4 years or more	1.4	3.9	5.0	4.7	4.2	4.4	4.0	6.3	6.5	6.3	5.6	3.6	
<b>Hispanic origin</b> <sup>3</sup> Total <sup>1</sup>	(NA)	12.8	11.4	9.5	8.7	9.2	11.2	13.4	16.3	11.7	11.3	10.6	1
High school: 1-3 years	(NA)	18.4	17.2	14.0	14.8	14.3	17.0	21.9	23.9	16.4	15.7	17.1	1
4 years	(NA)	10.5	10.0	7.4	6.2	7.1	9.7	11.4	14.4	9.7	9.5	8.9	
College: 1-3 years	(NA)	7.9	8.2	7.3	6.5	5.9	8.3	7.1	10.9	7.6	7.4	6.5	
4 years or more	(NA)	3.6	5.0	7.3	3.6	3.7	2.8	4.9	6.8	3.6	3.1	3.2	

NA: Not available. <sup>1</sup> Includes persons reporting no school years completed and elementary completed.

<sup>2</sup> For 1970 and 1975, data refer to Black and other workers. <sup>3</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, and unpublished data.

## NO. 635. UNEMPLOYMENT RATE, BY INDUSTRY, 1975 TO 1986, AND BY SEX, 1980 AND 1986

[For civilian noninstitutional population 16 years old and over. Rate represents unemployment as a percent of labor force in each specified group. Annual averages of monthly figures. Beginning 1983, data not strictly comparable with earlier years due changes in industrial classification]

INDUSTRY	1975	1980	1982	1983	1984	1985	1986	MALE		FEMALE	
								1980	1986	1980	1986
<b>All unemployed</b> <sup>1</sup>	<b>3.5</b>	<b>7.1</b>	<b>9.7</b>	<b>9.8</b>	<b>7.5</b>	<b>7.2</b>	<b>7.8</b>	<b>6.8</b>	<b>6.9</b>	<b>7.4</b>	
<b>Industry:</b> <sup>2</sup>											
Agriculture	10.3	11.0	14.7	16.0	13.5	13.2	12.5	9.7	12.0	15.1	1
Mining	4.1	6.4	13.4	17.0	10.0	9.5	13.5	6.8	14.6	4.5	
Construction	18.0	14.1	20.0	18.4	14.3	13.1	13.1	14.7	13.4	8.6	
Manufacturing	10.9	8.5	12.3	11.2	7.5	7.7	7.1	7.4	6.2	10.7	
Transportation and public utilities	5.6	4.9	6.8	7.4	5.5	5.1	5.1	5.1	5.3	4.4	
Wholesale and retail trade	8.7	7.4	10.0	10.0	8.0	7.8	7.6	6.6	6.7	8.3	
Finance, insurance, and real estate	4.9	3.4	4.7	4.5	3.7	3.5	3.5	3.2	3.3	3.5	
Service industries	7.1	5.9	7.6	7.9	6.6	6.2	6.1	6.2	6.5	5.7	
Government	4.1	4.1	4.0	5.3	4.5	3.9	3.6	3.6	3.6	4.3	

<sup>1</sup> Includes the self-employed, unpaid family workers, and persons with no previous work experience, not shown separately.

<sup>2</sup> Covers unemployed wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

16. UNEMPLOYMENT AND UNEMPLOYMENT RATE BY OCCUPATION, 1983 TO 1986, AND BY SEX, 1986

in noninstitutional population 16 years old and over. Beginning 1985, annual averages of monthly data; 1983 data are 1984 data. Rate represents unemployment as a percent of the labor force for each specified group. Based on the Current Population Survey; see text, section 1, and Appendix III]

OCCUPATION	NUMBER (1,000)			UNEMPLOYMENT RATE				
	1982	1984	1986	1982	1984	1986		
						Total	Male	Female
1.....	10,717	8,312	8,237	9.8	7.2	7.0	6.9	7.1
Professional and professional specialty.....	795	645	653	3.3	2.4	2.4	2.2	2.7
Administrative, administrative, and managerial.....	396	329	336	3.5	2.6	2.6	2.2	3.3
Professional specialty.....	396	316	317	3.0	2.3	2.2	2.1	2.3
Sales, sales, and administrative support.....	2,116	1,694	1,700	6.3	4.9	4.7	3.8	5.2
Transportation and related support.....	152	110	114	4.7	3.3	3.3	3.4	3.1
Other occupations.....	850	702	718	8.7	5.3	5.1	3.4	6.9
Administrative support, including clerical.....	1,114	882	888	8.4	4.9	4.7	4.7	4.6
Other occupations.....	1,697	1,366	1,381	10.9	8.8	8.8	8.4	8.8
Household.....	79	68	68	7.4	6.4	6.5	5.6	6.6
Personal service.....	120	85	90	6.7	4.7	4.8	4.2	6.7
Except private household and protective.....	1,499	1,233	1,223	11.8	9.5	9.3	9.9	9.0
Production, craft, and repair.....	1,408	1,038	1,038	10.6	7.2	7.2	7.0	9.2
Repairs and repairs.....	344	225	226	7.6	4.8	4.9	4.9	5.7
Construction trades.....	709	531	522	14.2	10.1	9.6	9.5	14.1
Production production, craft, and repair.....	412	281	290	9.6	6.4	6.6	5.9	9.1
Manufacturers, fabricators, and laborers.....	2,955	2,140	2,089	15.5	11.3	10.9	10.5	11.8
Machine operators, operators, assemblers, inspectors.....	1,411	980	907	15.4	11.1	10.3	9.1	11.9
Transportation and material moving occupations.....	596	422	431	12.4	8.5	8.6	6.7	8.0
Transportation, equipment cleaners, helpers, laborers.....	948	739	752	18.6	14.3	13.8	13.9	13.3
Production laborers.....	207	186	198	25.8	21.3	21.0	20.8	(a)
Forestry, and fishing.....	407	315	293	9.9	6.3	7.8	7.5	9.7

(a) is less than 35,000. 1 Includes persons with no previous work experience and those whose last job was in the process.

U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

17. DISPLACED WORKERS, BY DIVISION OF RESIDENCE AND SELECTED CHARACTERISTICS: 1986

in thousands, except percent. As of January. For the civilian noninstitutionalized population 16 years old and over. Refers to those with tenure of 3 or more years who lost or left a job between January 1981 and January 1985 because of plant closing, moves, slack work, or the abolishment of their positions or shifts. Based on the Current Population Survey; see text, section 1 and Appendix III. For composition of divisions, see fig. 1, inside front cover]

CHARACTERISTIC	Total	New England	Mid. Atlantic	E. No. Central	W. No. Central	So. Atlantic	E. So. Central	W. So. Central	Mountain	Pacific
.....	5,130	226	733	1,149	984	744	307	610	240	648
PERCENT DISTRIBUTION										
SEX										
Male.....	64.7	57.1	61.8	67.4	65.9	62.4	59.2	65.7	70.4	68.4
Female.....	35.3	42.9	38.2	32.6	34.1	37.6	40.8	34.3	29.6	31.6
REASON FOR JOB LOSS										
Plant closed down.....	54.6	63.3	58.3	50.5	53.6	59.7	56.2	51.0	51.3	54.2
Relocation.....	31.2	21.2	30.2	35.0	31.8	26.5	33.2	34.4	31.7	29.9
Shift change.....	14.0	15.5	11.5	14.4	14.3	13.6	10.6	14.6	17.1	15.9
TYPE OF LOST JOB										
Manufacturing.....	7.0	3.5	3.7	7.3	6.5	8.2	8.6	7.0	10.4	8.2
Transportation.....	50.5	62.4	58.4	56.2	46.6	48.9	49.6	46.1	27.5	44.6
Durable goods.....	33.3	36.3	37.1	43.3	31.3	23.8	25.4	30.3	17.1	35.8
Non-durable goods.....	17.3	26.1	21.4	12.9	15.4	25.1	24.2	15.7	10.4	8.8
Wholesale, and retail trade.....	8.1	8.4	8.5	7.2	7.6	7.4	12.8	8.4	8.3	7.1
Government and retail.....	13.8	9.7	10.0	14.3	18.0	12.9	12.3	13.1	16.3	17.6
Administration.....	1.1	.9	1.4	1.0	2.1	.4	.8	.5	2.9	1.2
Personal and service.....	13.3	15.0	14.1	10.4	12.5	13.7	8.8	13.3	21.3	16.5
Other.....	6.2	.4	4.0	3.6	6.5	8.3	6.8	11.6	13.3	4.8
EMPLOYMENT STATUS										
Unemployed.....	68.9	74.3	60.3	65.2	68.5	71.9	62.5	68.1	72.5	69.4
Employed.....	17.8	9.7	22.1	20.3	16.1	14.0	21.2	16.9	14.2	16.7
Not in labor force.....	15.3	15.5	17.6	14.5	15.4	14.1	16.4	16.9	13.3	13.9

(a) is less than 35,000. 2 Includes unknown.

U.S. Bureau of Labor Statistics, *Monthly Labor Review*, June 1987.

## NO. 638. TOTAL UNEMPLOYED AND INSURED UNEMPLOYED—STATES: 1980 TO 1986

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Total unemployment estimates based on the Current Population Survey (CPS); see text, section I, and Appendix III. U.S. totals derived independent population controls; therefore State data may not add to U.S. totals]

DIVISION AND STATE	TOTAL UNEMPLOYED <sup>1</sup>										INSURED UNEMPLOYED			
	Number (1,000)					Percent <sup>2</sup>					Number (1,000)		Percent	
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986	1985	1986	1985	1986
U.S.	7,837	10,717	8,538	8,312	8,337	7.1	9.8	7.5	7.2	7.0	2,861	2,807	3.6	
N. Eng.: ME	39	48	34	30	30	7.8	9.0	6.1	5.4	5.3	14.8	12.3	3.5	
NH	22	27	22	21	16	4.7	5.4	4.3	3.9	2.6	4.3	3.6	1.0	
VT	16	16	14	13	14	6.4	6.9	5.2	4.9	4.7	6.3	5.3	3.1	
MA	162	205	145	121	117	5.6	6.9	4.8	3.9	3.8	64.7	64.1	2.4	
RI	34	40	26	25	21	7.2	8.3	5.3	4.9	4.0	14.7	13.0	3.6	
CT	94	97	77	63	66	5.9	6.0	4.6	4.9	3.6	26.3	24.6	1.6	
Mid. Atl.: NY	597	669	564	544	526	7.5	8.6	7.2	6.5	6.2	206.3	189.7	2.8	
NJ	259	267	236	216	196	7.2	7.8	6.2	5.7	5.0	93.7	85.9	2.9	
PA	425	651	498	442	366	7.8	11.8	9.1	8.0	6.8	175.8	164.5	4.0	
E. No. Cent.: OH	426	622	480	455	425	8.4	12.2	9.4	8.9	8.1	122.4	116.0	3.0	
IN	252	286	226	215	185	9.6	11.1	8.6	7.9	6.7	47.4	44.5	2.4	
IL	458	640	512	513	481	8.3	11.4	9.1	9.0	8.1	144.6	143.9	3.2	
MI	534	610	487	433	385	12.4	14.2	11.2	9.9	9.6	103.4	108.7	3.2	
WI	167	254	175	171	166	7.2	10.4	7.3	7.2	7.0	64.6	59.0	2.5	
W. No. Cent.: MN	125	178	141	133	118	5.9	8.2	6.3	6.0	5.3	45.6	44.6	2.6	
IA	82	116	99	113	100	5.6	8.1	7.0	6.0	7.0	31.2	29.1	3.1	
MO	167	233	171	159	154	7.2	9.9	7.2	6.4	6.1	46.4	51.4	2.5	
ND	16	16	17	20	21	5.0	5.6	5.1	5.8	6.3	7.2	7.5	3.2	
SD	16	16	15	16	16	4.9	5.4	4.9	5.1	4.7	3.4	3.2	1.5	
NE	31	45	35	44	40	4.1	5.7	4.4	5.5	5.0	13.9	12.8	2.8	
KS	53	72	63	62	67	4.5	6.1	5.2	5.0	5.4	22.4	24.5	2.5	
So. Atl.: DE	22	24	19	17	14	7.7	8.1	6.2	5.3	4.3	4.5	5.7	1.6	
MD	140	153	121	103	105	6.5	6.9	5.4	4.8	4.5	36.9	35.6	2.2	
DC	24	36	29	27	25	7.3	11.7	9.0	8.4	7.7	6.2	6.5	2.1	
VA	126	165	143	151	145	5.0	6.1	5.0	5.6	5.0	25.5	23.2	1.2	
WV	74	139	115	100	86	9.4	16.0	15.0	13.0	11.8	25.6	23.6	4.7	
NC	167	262	204	187	170	6.8	8.9	6.7	5.4	5.3	57.3	48.3	2.3	
SC	96	145	105	107	100	6.9	10.0	7.1	6.6	6.2	34.1	27.6	2.8	
GA	163	202	166	167	176	6.4	7.5	6.0	6.5	5.9	42.0	43.6	1.8	
FL	251	421	325	319	320	5.9	8.6	6.3	6.0	6.7	56.6	59.0	1.4	
E. So. Cent.: KY	133	198	160	151	156	8.0	11.7	9.3	9.5	9.3	36.2	37.2	3.2	
TN	152	251	190	180	185	7.3	11.5	8.6	8.0	8.0	46.1	44.3	2.7	
AL	147	241	200	180	165	8.6	13.7	11.1	8.9	9.8	42.5	42.7	3.3	
MS	79	135	116	115	136	7.5	12.6	10.8	10.3	11.7	26.8	31.4	3.7	
W. So. Cent.: AR	76	104	83	91	84	7.6	10.1	8.9	8.7	8.7	27.3	27.5	3.7	
LA	121	225	195	229	281	6.7	11.8	10.0	11.5	13.1	66.0	81.1	4.3	
OK	66	140	109	112	131	4.8	9.0	7.0	7.1	8.2	26.7	35.6	2.4	
TX	352	609	489	564	726	5.2	8.0	5.9	7.0	6.6	94.2	163.7	1.5	
Mid. MT	23	35	30	31	33	6.1	8.6	7.4	7.7	6.1	10.2	10.1	4.0	
ID	34	45	33	37	41	7.9	9.6	7.2	7.9	6.7	14.0	15.1	4.5	
WY	9	22	16	18	22	4.0	6.4	6.3	7.1	9.0	4.6	7.6	2.4	
CO	66	110	97	101	126	5.9	6.6	5.6	5.9	7.4	30.6	32.0	2.3	
NM	42	62	47	57	62	7.5	10.1	7.5	6.6	9.2	13.0	16.5	2.9	
AZ	83	125	71	96	110	6.7	8.1	5.0	6.5	6.9	20.7	24.7	1.8	
UT	40	64	46	43	45	6.3	9.2	6.5	6.9	6.0	12.8	13.7	2.4	
NV	27	48	39	41	32	6.2	9.6	7.6	6.0	6.0	11.5	12.0	2.8	
Pac.: WA	157	230	194	171	179	7.9	11.2	9.5	8.1	8.2	66.6	64.7	4.5	
OR	106	145	125	117	114	8.3	10.8	9.4	8.6	8.5	45.5	42.1	4.6	
CA	790	1,192	961	931	892	8.8	9.7	7.8	7.2	6.7	366.3	391.7	3.7	
AK	16	24	25	24	28	9.7	10.3	10.0	9.7	10.6	14.3	16.7	7.1	
HI	21	30	27	27	24	4.9	6.5	5.6	5.6	4.6	9.9	6.6	2.5	

<sup>1</sup> Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, annual; and unpublished data.

<sup>2</sup> Total unemployment as percent of civilian labor force. <sup>3</sup> Insured unemployment as percent of average covered employment in the previous year.

Source: Except as noted, U.S. Employment and Training Administration, *Employment and Training Report of the Secretariat*, annual.

## NO. 639. U.S. EMPLOYMENT SERVICE JOB OPENINGS AND PLACEMENTS, AND INDEX OF HELP-WANTED ADVERTISING: 1970 TO 1986

[In thousands, except as indicated. Openings and placements 1970-1983, for years ending Sept. 30; beginning 1984, for years ending June 30]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Job openings: <sup>1</sup> Received	6,130	7,869	9,477	8,888	7,548	6,150	6,494	5,144	7,529	6,141
Average per month	511	656	789	741	629	513	541	428	627	512
Nonagricultural placements <sup>1</sup>	4,604	4,374	6,349	5,610	3,509	2,804	3,012	2,297	3,270	2,870
Index of help-wanted advertising in newspapers <sup>2</sup> (1967=100)	83	80	158	129	119	66	66	131	139	144

<sup>1A</sup> Not available. <sup>1</sup> As reported by State employment agencies. <sup>2</sup> Data for nine months from October 1, 1983 thru June 30, 1984. <sup>3</sup> Source: The Conference Board, New York, NY, *The Statistical Bulletin*. Further reproduction prohibited without permission. Index based on number of advertisements in classified sections of 51 newspapers, each in a major metropolitan area.

Source: Except as noted, U.S. Employment and Training Administration, unpublished data.

# **D. NONAGRICULTURAL ESTABLISHMENTS—EMPLOYEES, HOURS, AND EARNINGS, BY INDUSTRY:** 1980 TO 1986

data from establishment reports. Includes all full- and part-time employees who worked during, or received pay for, any the pay period reported. Excludes proprietors, the self-employed, farmworkers, unpaid family workers, private household and Armed Forces. Establishment data shown here conform to industry definitions in the 1972 Standard Industrial Classification Manual and are adjusted to March 1986 employment benchmarks; consequently, may not be comparable with published data. Based on the Current Employment Statistics Program; see Appendix II. See also *Historical Statistics, Times to 1970*, series D 127-141 and D 803, 876, 881, 884, and 890.]

3 YEAR	Total	NONAGRICULTURAL ESTABLISHMENTS									GROUPED INDUSTRIES	
		Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government	Goods-related <sup>1</sup>	Service-related and all other
<b>YEARS</b>												
1980-82	54,189	712	2,926	16,796	4,004	3,143	8,248	2,629	7,378	8,953	20,434	33,755
1981-83	60,765	632	3,232	18,062	4,036	3,486	9,250	2,977	9,038	10,074	21,926	38,839
1982-84	70,680	623	3,588	19,367	4,515	3,993	11,047	3,645	11,548	12,554	23,578	47,302
1983-85	78,945	752	3,525	18,323	4,542	4,415	12,845	4,165	13,692	14,666	22,600	54,345
1984-86	90,406	1,027	4,346	20,285	5,146	5,275	15,035	5,160	17,890	16,241	25,658	64,748
1985-87	91,158	1,139	4,188	20,170	5,185	5,358	15,189	5,298	18,619	16,031	25,497	65,659
1986-88	99,566	1,126	3,906	18,781	5,082	5,278	15,179	5,341	19,038	15,637	23,813	65,752
1987-89	90,200	952	3,848	18,434	4,954	5,268	15,813	5,468	19,694	15,870	23,334	66,866
1988-90	94,496	966	4,383	19,378	5,159	5,556	16,545	5,889	20,797	16,024	24,727	69,799
1989-91	97,519	927	4,673	19,280	5,238	5,717	17,396	5,965	22,000	16,294	24,869	72,680
1990-92	99,810	783	4,904	19,280	5,244	5,735	17,645	6,297	23,098	16,711	24,681	74,930
<b>PERCENT</b>												
1980-82	100.0	1.3	5.4	31.0	7.4	5.8	15.2	4.9	13.8	15.4	37.7	62.3
1981-83	100.0	1.0	5.3	29.7	6.7	5.7	15.2	4.9	14.9	16.6	36.1	63.9
1982-84	100.0	.9	5.1	27.3	6.4	5.6	15.8	5.1	16.3	17.7	33.3	66.7
1983-85	100.0	1.0	4.6	23.8	5.9	5.7	16.4	5.4	18.0	19.1	29.4	70.6
1984-86	100.0	1.1	4.8	22.4	5.7	5.8	16.6	5.7	19.8	18.0	28.4	71.6
1985-87	100.0	1.3	4.8	22.1	5.7	5.9	16.7	5.8	20.4	17.4	28.0	72.0
1986-88	100.0	1.3	4.4	21.0	5.7	5.9	16.9	6.0	21.3	17.7	26.6	73.4
1987-89	100.0	1.1	4.4	20.4	5.5	5.8	17.3	6.1	21.8	17.6	25.9	74.1
1988-90	100.0	1.0	4.8	20.5	5.5	5.9	17.5	6.0	22.0	17.0	26.2	73.8
1989-91	100.0	1.0	4.8	19.7	5.4	5.9	17.8	6.1	22.6	16.8	25.5	74.5
1990-92	100.0	.8	4.9	19.1	5.3	5.8	17.9	6.3	23.2	16.8	24.8	75.2
<b>WEEKLY</b>												
1980-82	38.6	40.4	36.7	39.7	(NA)	40.5	36.0	37.2	(NA)			
1981-83	38.8	42.3	37.4	41.2	41.3	40.8	36.6	37.2	35.9			
1982-84	37.1	42.7	37.3	39.6	40.5	39.9	33.8		34.4			
1983-85	36.1	41.9	36.4	39.5	39.7	38.7	32.4		33.5			
1984-86	35.3	43.3	37.0	39.7	39.8	38.5	30.2		32.6			
1985-87	35.2	43.7	36.9	39.8	39.4	38.5	30.1	36.3	32.6	(NA)	(NA)	(NA)
1986-88	34.8	42.7	36.7	39.9	39.0	38.3	29.9	36.2	32.6			
1987-89	35.0	42.5	37.1	40.1	39.0	38.5	29.8	36.2	32.7			
1988-90	35.2	43.3	37.6	40.7	39.4	38.5	29.8	36.5	32.6			
1989-91	34.9	43.4	37.7	40.5	39.5	38.4	29.4	36.4	32.5			
1990-92	34.8	42.2	37.4	40.7	39.2	38.4	29.2	36.4	32.5			
<b>HOURLY</b>												
1980-82	\$2.09	\$2.80	\$3.07	\$2.26	(NA)	\$2.24	\$1.62	\$2.02	(NA)			
1981-83	2.46	2.92	3.70	2.61	\$3.03	2.61	1.82	2.39	\$2.06			
1982-84	3.23	3.85	5.24	3.35	3.85	3.44	2.44	3.07	2.61			
1983-85	4.53	5.95	7.31	4.83	5.86	4.73	3.38	4.06	4.02			
1984-86	6.68	9.17	9.94	7.27	8.87	6.96	4.88	5.79	5.65			
1985-87	7.25	10.04	10.82	7.99	9.70	7.56	5.25	6.31	6.41	(NA)	(NA)	(NA)
1986-88	7.68	10.77	11.63	8.49		8.09	5.48	6.76	6.92			
1987-89	8.02	11.26	11.94	8.83	10.79	8.55	5.74	7.29	7.31			
1988-90	8.32	11.63	12.13	9.19	11.12	8.89	5.86	7.63	7.59			
1989-91	8.57	11.98	12.32	9.54	11.40	9.16	5.94	7.94	7.90			
1990-92	8.76	12.44	12.47	9.73	11.70	9.35	6.03	8.35	8.18			
<b>WEEKLY</b>												
1980-82	\$81	\$105	\$113	\$80	(NA)	\$81	\$58	\$75	(NA)			
1981-83	96	124	139	108	\$125	106	67	89	\$74			
1982-84	120	164	195	133	156	137	82	113	97			
1983-85	164	249	296	191	233	183	106	148	135			
1984-86	235	397	398	289	361	288	147	210	191			
1985-87	255	439	399	318	382	291	158	229	209	(NA)	(NA)	(NA)
1986-88	267	480	427	330	402	310	164	245	226			
1987-89	261	279	443	354	421	329	171	254				
1988-90	293	504	459	374	438	342	174	279	247			
1989-91	299	520	464	386	450	352	175	289	257			
1990-92	305	525	465	395	459	359	176	304	285			

at available. <sup>1</sup> Mining, construction, and manufacturing. <sup>2</sup> See footnote, table 646.

U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

## No. 641. EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS—STATES: 1975 TO 1988

[In thousands. For coverage, see headnote, table 640. National totals differ from the sum of the State figures because of different benchmarks among States and differing industrial and geographic stratification. Based on 1972 *Standard Industrial Classification Manual*; see text, section 13.]

DIVISION AND STATE	1975	1980	1984	1988	1988							
					Total <sup>1</sup>	Construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Gov. <sup>2</sup>
U.S.	78,945	90,408	94,498	97,518	99,810	4,904	18,904	5,244	23,880	8,297	21,088	9
N. Eng.	4,857	5,481	5,891	6,067	6,224	266	1,406	284	1,448	430	1,967	
ME	357	411	446	458	477	27	104	19	115	23	102	
NH	293	365	442	466	489	36	118	17	121	28	108	
VT	182	200	215	225	234	15	50	10	53	11	57	
MA	2,273	2,652	2,852	2,926	2,981	121	619	126	703	203	820	
RI	349	398	416	429	442	17	119	15	99	25	111	
CT	1,223	1,427	1,521	1,562	1,602	71	388	69	358	139	371	
Mid. Atl.	13,906	15,021	15,588	15,896	16,187	864	2,892	872	3,803	1,241	4,178	1
NY	6,830	7,207	7,572	7,751	7,908	309	1,251	402	1,676	755	2,126	
NJ	2,700	3,080	3,329	3,414	3,487	154	683	230	833	209	831	
PA	4,436	4,753	4,655	4,730	4,795	202	1,049	240	1,095	277	1,218	
E. No. Cent.	15,190	16,728	16,365	16,841	17,134	814	4,146	639	4,099	967	3,773	1
OH	4,016	4,367	4,280	4,373	4,475	161	1,109	206	1,067	232	990	
IN	1,942	2,130	2,122	2,169	2,228	96	803	113	526	111	428	
IL	4,419	4,850	4,672	4,755	4,777	178	925	278	1,185	347	1,126	
MI	3,137	3,443	3,361	3,562	3,639	115	996	148	814	171	767	
WI	1,677	1,938	1,849	1,983	2,015	64	513	93	476	106	433	
W. No. Cent.	6,985	6,906	7,023	7,163	7,237	297	1,367	423	1,693	436	1,834	
MIN	1,474	1,770	1,820	1,866	1,891	75	399	86	471	116	446	
IA	990	1,110	1,075	1,074	1,077	36	201	52	277	63	239	
MO	1,741	1,970	2,033	2,086	2,132	111	422	141	508	129	469	
ND	204	245	253	252	249	11	15	16	67	12	59	
SD	209	236	247	249	252	10	26	13	66	14	60	
NE	558	628	635	651	654	25	86	43	189	47	147	
KS	801	945	961	966	963	44	175	62	247	54	193	
S. Atl.	12,104	14,886	16,123	16,791	17,393	1,194	3,882	983	4,162	996	3,674	1
DE	230	259	280	293	303	19	68	13	68	23	67	
MD	1,479	1,712	1,814	1,866	1,951	139	210	91	117	117	504	
DC <sup>2</sup>	577	616	614	631	641	14	16	24	63	36	111	
VA	1,779	2,157	2,333	2,456	2,557	168	424	137	580	131	111	
WV	575	646	587	587	587	23	87	37	137	24	121	
NC	1,980	2,360	2,565	2,651	2,732	157	632	133	607	118	483	
SC	983	1,189	1,283	1,296	1,336	66	364	56	292	61	223	
GA	1,756	2,169	2,449	2,570	2,676	156	965	197	670	145	506	
FL	2,746	3,576	4,209	4,410	4,590	340	617	245	1,239	340	1,203	
E. So. Cent.	4,411	5,143	5,234	5,394	5,516	268	1,326	276	1,286	396	1,096	
KY	1,056	1,210	1,214	1,250	1,277	67	253	67	303	60	258	
TN	1,506	1,747	1,812	1,888	1,929	80	492	97	450	94	365	
AL	1,155	1,356	1,388	1,427	1,461	75	358	72	320	69	266	
MS	692	829	821	839	849	36	223	39	163	37	134	
W. So. Cent.	7,236	8,318	10,094	10,217	10,088	580	1,502	896	2,518	434	2,081	
AR	624	742	780	797	814	36	212	48	164	37	146	
LA	1,250	1,579	1,802	1,591	1,524	91	167	108	370	66	318	
OK	900	1,138	1,180	1,165	1,140	40	163	64	279	63	111	
TX	4,463	5,651	6,492	6,663	6,561	414	960	375	1,665	268	1,372	
Mountain	3,423	4,802	5,111	5,111	5,111	327	903	361	1,260	314	1,277	
MT	230	280	281	279	276	10	21	20	73	13	62	
ID	273	330	331	336	335	15	52	11	11	24	66	
WY	146	210	204	207	207	17	6	14	46	6	33	
CO	964	1,251	1,402	1,419	1,402	76	185	66	349	66	325	
NM	370	465	503	521	528	36	36	29	127	27	118	
AZ	729	1,014	1,182	1,279	1,341	114	184	68	325	69	326	
UT	440	551	601	624	634	33	82	39	153	33	138	
NV	263	400	426	446	469	27	22	27	96	23	207	
Pac.	10,415	12,978	13,878	14,378	14,786	673	2,998	781	2,578	988	3,542	1
WA	1,226	1,606	1,880	1,710	1,770	85	304	96	435	105	363	
OR	837	1,045	1,007	1,030	1,057	34	197	57	268	70	230	
CA	7,847	9,849	10,574	10,979	11,272	522	2,094	576	2,713	768	2,758	
AK	182	189	228	231	222	13	12	18	44	13	44	
HI	343	405	413	426	437	11	22	34	117	33	118	

<sup>1</sup> Includes mining, not shown separately.

<sup>2</sup> Represents Washington, DC metropolitan area.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating agencies.

# TABLE 642. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS: 1980 TO 1986

Annual averages of monthly figures. Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. For mining and manufacturing, data refer to production and related workers; for construction, to employees engaged in actual construction work; and for other industries, to nonsupervisory employees and working supervisors. See also headnote, table 640. See *Historical Statistics, Colonial Times to 1970*, series O 127-151, D 802-810, and O 877-882, for related data.

SIC CODE	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1986	1980	1985	1986	1980	1985	1986
(0)	Total.....	90,408	87,519	86,610	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(2)	Private sector <sup>a</sup> .....	74,186	81,125	82,900	60,331	65,566	67,061	6.96	8.57	8.78
(8)	Mining.....	1,827	927	783	783	668	580	9.17	11.98	12.44
10	Metal mining.....	98	46	41	74	34	31	10.26	13.38	13.20
11, 12	Coal mining.....	248	187	178	204	153	144	10.86	15.24	15.39
13	Oil and gas extraction.....	580	583	457	369	367	293	8.59	11.08	11.59
14	Nonmetallic minerals, except fuels.....	123	110	109	66	64	63	7.52	10.18	10.39
(2)	Construction.....	4,346	4,873	4,904	3,421	3,689	3,848	9.94	12.32	12.47
15	General building contractors.....	1,173	1,253	1,293	900	936	958	9.22	11.23	11.42
16	Heavy construction contractors.....	927	798	778	746	644	647	9.20	12.08	11.99
17	Special trade contractors.....	2,246	2,822	2,832	1,776	2,072	2,243	10.85	12.90	13.07
(3)	Manufacturing.....	20,286	19,280	18,984	14,214	13,082	12,886	7.27	9.84	8.73
(2)	Durable goods.....	12,187	11,480	11,244	8,442	7,844	7,432	7.78	10.10	10.29
24	Lumber and wood products, except furniture <sup>a</sup> .....	891	897	711	578	584	■	6.56	8.22	8.33
241	Logging camps and logging contractors.....	88	84	83	71	67	70	8.64	10.92	10.84
242	Sawmills and planing mills.....	215	195	194	180	172	172	6.70	8.52	■
243	Millwork, plywood, and structural members.....	200	226	246	184	190	203	6.41	8.06	8.20
244	Wood containers.....	43	41	41	37	35	34	4.95	5.81	5.95
25	Furniture and fixtures <sup>a</sup> .....	486	484	497	376	384	397	5.49	7.17	7.46
261	Household furniture.....	301	296	294	253	247	247	5.12	6.56	■
262	Office furniture.....	50	66	66	■	60	61	8.91	8.06	8.39
264	Partitions and fixtures.....	63	69	72	47	51	52	6.88	6.89	6.99
32	Stone, clay, and glass products <sup>a</sup> .....	662	586	588	513	451	451	7.50	9.84	10.06
321	Flat glass.....	18	16	16	14	12	12	9.85	13.79	14.08
322	Glass and glassware, pressed <sup>a</sup> .....	124	91	89	105	77	78	7.97	10.78	11.01
324	Cement, hydraulic.....	31	23	23	25	18	18	10.55	13.27	13.36
325	Structural clay products.....	48	38	37	34	29	29	6.14	8.01	8.17
326	Pottery and related products.....	40	37	37	38	29	29	6.26	8.67	8.78
327	Concrete, gypsum, and plaster products.....	204	206	206	157	160	162	7.45	9.60	9.77
33	Primary metal industries <sup>a</sup> .....	1,142	808	753	878	612	566	9.77	11.67	11.86
331	Blast furnaces and basic steel products.....	512	303	275	368	232	210	11.39	13.33	13.73
332	Iron and steel foundries.....	209	141	131	167	112	103	8.20	10.51	10.57
333	Primary nonferrous metals.....	71	45	39	53	33	27	10.63	13.74	13.49
336	Nonferrous rolling and drawing.....	211	188	180	151	133	127	9.81	11.05	11.22
338	Nonferrous foundries.....	90	87	88	72	70	69	7.30	9.32	9.54
34	Fabricated metal products <sup>a</sup> .....	1,613	1,466	1,431	1,186	1,084	1,057	7.45	9.70	9.89
341	Metal cans and shipping containers.....	75	58	58	63	50	50	9.84	13.10	13.33
342	Cutlery, hand tools, and hardware.....	184	142	136	125	106	100	7.02	9.71	9.80
343	Plumbing and heating, exc. electric.....	70	63	61	50	45	44	6.62	8.67	■
344	Fabricated structural metal products.....	513	443	438	356	309	■	7.28	9.00	9.13
346	Screw machine products, bolts, etc.....	109	96	93	84	74	71	6.96	9.11	9.42
348	Metal forgings and stampings.....	264	249	244	207	200	195	8.58	11.82	11.82
35	Machinery except electrical <sup>a</sup> .....	2,484	2,174	2,080	1,602	1,307	1,225	8.00	10.29	10.59
351	Engines and turbines.....	135	105	102	87	66	64	9.73	13.02	13.04
352	Farm and garden machinery.....	169	98	91	116	68	60	8.78	9.93	10.03
353	Construction and related machinery.....	389	253	227	255	158	■	8.60	10.91	11.08
354	Metalworking machinery.....	373	310	304	273	222	217	8.18	10.59	10.98
355	Special industry machinery.....	207	188	159	133	100	94	7.51	10.18	10.43
356	General industrial machinery.....	324	268	255	212	171	162	7.98	10.08	10.25
357	Office and computing machines.....	432	514	475	186	189	182	6.74	9.32	9.95
358	Refrigeration and service industry.....	174	172	171	120	120	120	7.23	10.09	10.29
36	Electric and electronic equipment <sup>a</sup> .....	2,091	2,187	2,123	1,328	1,300	1,229	6.94	9.46	9.65
361	Electric distributing equipment.....	123	113	107	■	81	78	6.96	8.83	8.98
362	Electrical industrial apparatus.....	240	196	187	169	■	130	7.12	9.52	9.69
363	Household appliances.....	163	136	136	129	108	106	6.95	9.23	9.56
364	Electric lighting and wiring equipment.....	209	198	196	156	144	141	6.42	8.67	8.84
366	Radio and TV receiving equipment.....	109	84	82	79	57	56	6.42	9.33	9.44
368	Communication equipment.....	541	653	632	287	291	284	7.93	11.25	11.30
367	Electronic components and access.....	554	663	630	334	375	348	6.05	8.30	8.64
37	Transportation equipment <sup>a</sup> .....	1,900	1,980	2,015	1,233	1,252	1,264	9.36	12.71	12.81
371	Motor vehicles and equipment.....	789	884	885	575	■	685	9.85	13.39	13.45
372	Aircraft and parts.....	652	636	675	356	304	331	9.28	12.62	12.87
373	Ship and boat building and repairs.....	221	187	186	176	140	140	■	10.51	10.51
374	Railroad equipment.....	71	33	38	53	23	19	9.93	12.53	12.48

See footnotes at end of table.



**NO. 642. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS  
PRODUCTION WORKERS: 1960 TO 1966—Continued**

[See headnote, p. 387]

SIC CODE	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS				
					Total (1,000)			Average h earnings (\$)	
		1960	1965	1966	1960	1965	1966	1960	1966
38	Instruments and related products.....	711	720	707	426	391	383	6.80	9.17
381	Engineering and scientific instruments.....	77	84	84	37	37	37	7.12	9.82
382	Measuring and controlling devices.....	246	264	246	154	141	136	6.85	8.94
383	Optical instruments and lenses.....	33	34	33	16	17	16	7.32	10.17
384	Medical instruments and supplies.....	156	174	160	101	104	109	6.80	8.16
385	Ophthalmic goods.....	44	40	36	31	28	25	5.30	6.84
386	Photographic equipment and supplies.....	126	123	115	67	57	52	6.83	12.06
387	Watches, clocks, and watchcases.....	22	12	11	17	8	8	5.24	6.67
39	Misc. manufacturing industries <sup>a</sup> .....	418	367	362	313	284	283	6.46	7.30
391	Jewelry, silverware, plated ware.....	55	55	54	40	37	37	5.76	7.76
394	Toys and sporting goods.....	117	95	94	88	70	70	5.01	6.66
395	Pens, pencils, office and art supplies.....	37	33	33	27	22	22	5.56	7.70
398	Costume jewelry and notions.....	51	41	41	41	31	32	4.71	5.91
(X)	Durable goods.....	6,086	7,776	7,796	5,772	5,448	5,463	6.66	9.71
20	Food and kindred products <sup>a</sup> .....	1,708	1,803	1,817	1,175	1,118	1,136	6.85	8.57
201	Meat products.....	358	362	372	298	305	315	6.99	7.23
202	Dairy products.....	175	183	183	96	98	98	6.88	9.17
203	Preserved fruits and vegetables.....	256	236	236	210	194	196	5.94	7.61
204	Grain mill products.....	144	125	122	99	85	83	7.67	10.38
205	Bakery products.....	225	210	210	131	126	127	7.21	9.66
206	Sugar and confectionery products.....	106	86	97	79	75	76	6.57	8.63
207	Fats and oils.....	44	35	34	32	26	25	7.09	8.80
208	Beverages.....	234	214	212	105	92	90	6.12	11.38
21	Tobacco manufactures.....	69	64	59	54	48	45	7.74	11.96
211	Cigarettes.....	46	44	42	35	32	32	9.23	14.71
22	Textile mill products <sup>a</sup> .....	848	702	705	737	607	610	5.07	6.70
221	Weaving mills, cotton.....	150	108	102	135	85	82	5.25	7.01
222	Weaving mills, synthetic.....	116	90	84	104	80	75	5.30	7.16
223	Weaving and finishing mills, wool.....	19	17	16	16	15	15	5.21	7.07
224	Narrow fabric mills.....	23	22	22	20	19	19	4.63	6.38
225	Knitting mills.....	220	198	207	181	172	180	4.76	6.15
226	Textile finishing, except wool.....	74	58	60	62	46	50	5.38	7.12
227	Floor covering mills.....	54	54	55	44	44	46	5.20	6.92
228	Yarn and thread mills.....	125	101	104	113	90	89	4.76	6.38
23	Apparel and other textile products <sup>a</sup> .....	1,264	1,121	1,106	1,079	946	931	4.56	5.73
231	Men's and boys' suits and coats.....	77	63	60	67	55	51	5.34	6.66
232	Men's and boys' furnishings.....	362	312	306	310	270	267	4.23	5.27
233	Women's and misses outerwear.....	417	362	356	380	302	297	4.61	5.66
234	Undergarments <sup>a</sup> .....	90	77	77	76	65	64	4.16	5.28
236	Children's outerwear.....	64	61	61	55	51	51	4.20	5.07
238	Misc. apparel, accessories.....	56	44	42	46	36	35	4.48	5.90
26	Paper and allied products.....	693	678	674	523	512	511	7.84	10.63
261, 2, 6	Paper and pulp mills.....	203	197	195	152	149	149	9.15	13.14
263	Paperboard mills.....	65	55	53	51	42	41	9.28	13.60
264	Misc. converted paper products.....	220	229	230	163	166	160	6.69	9.39
265	Paperboard containers and boxes.....	205	197	196	157	162	162	6.94	9.24
27	Printing and publishing <sup>a</sup> .....	1,252	1,426	1,457	699	786	817	7.53	9.71
271	Newspapers.....	420	451	455	164	189	170	7.72	9.77
272	Periodicals.....	90	113	115	16	29	40	7.16	10.80
273	Books.....	101	107	109	92	64	59	6.76	8.70
275	Commercial printing.....	414	463	508	307	369	369	7.85	10.06
278	Blankbooks and bookbinding.....	62	70	73	51	57	59	5.76	7.69
28	Chemicals and allied products <sup>a</sup> .....	1,107	1,044	1,023	626	578	568	8.30	11.96
281	Industrial inorganic chemicals.....	161	142	136	67	72	70	9.07	12.80
282	Plastics materials and synthetics.....	205	172	167	137	114	113	8.21	11.71
283	Drugs.....	196	206	207	97	95	96	7.69	10.75
284	Soap, cleaners, and toilet goods.....	141	148	147	66	84	83	7.67	10.28
285	Paints and allied products.....	66	64	63	33	31	31	7.39	10.68
287	Agricultural chemicals.....	72	56	55	45	37	34	8.12	11.06
29	Petroleum and coal products <sup>a</sup> .....	198	179	169	125	109	106	10.10	14.06
291	Petroleum refining.....	155	141	131	93	82	79	10.94	15.88
295	Paving and roofing materials.....	31	26	27	24	20	20	7.69	10.56
30	Rubber and misc. plastic products.....	727	786	790	556	607	614	6.62	8.54
30194	Tires and inner tubes.....	115	94	86	81	65	64	8.74	13.21
31	Leather and leather products <sup>a</sup> .....	233	165	151	197	137	124	4.56	6.63
311	Leather tanning and finishing.....	19	15	14	16	12	12	6.10	7.82
314	Footwear except rubber.....	144	99	90	123	84	76	4.42	6.53
317	Handbags, personal leather goods.....	30	21	19	25	17	15	4.33	6.61

See footnotes at end of table.

**NO. 642. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS, 1960 TO 1966—Continued**

(See heading, p. 367)

SIC CODE	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1960	1965	1966	1960	1965	1966	1960	1965	1966
(E)	Transp. and public utilities *	5,146	5,236	5,244	4,293	4,339	4,336	8.97	11.40	11.70
40	Railroad transportation .....	532	359	331	(1)	(1)	(1)	(1)	(1)	(1)
4011	Class I railroads *	482	323	294	(1)	(1)	(1)	9.92	12.64	13.80
41	Local and interurban passenger transit.....	265	278	282	244	257	261	6.34	7.68	8.02
42	Trucking and warehousing .....	1,280	1,383	1,382	1,121	1,187	1,202	8.13	10.32	10.71
43	Air transportation .....	453	552	570	(1)	(1)	(1)	(1)	(1)	(1)
44	Pipelines, except natural gas .....	21	19	18	15	13	13	10.50	15.26	15.12
47	Transportation services .....	196	278	284	(1)	(1)	(1)	(1)	(1)	(1)
48	Communication *	1,357	1,320	1,279	1,014	1,008	975	8.50	11.75	12.14
481	Telephone communication .....	1,072	921	881	779	687	656	8.72	12.45	12.85
483	Radio and television broadcasting.....	200	238	238	180	184	185	7.44	10.28	10.76
49	Electric, gas, and sanitary services .....	827	915	924	677	729	735	8.90	12.83	13.39
491	Electric services .....	391	448	452	318	349	349	8.12	12.84	13.45
492	Gas production and distribution .....	168	175	168	138	137	132	8.27	11.76	12.53
493	Combination utility services .....	187	203	208	182	186	171	9.64	14.03	15.63
495	Sanitary services .....	49	64	71	43	55	62	7.04	9.47	9.75
(F)	Wholesale trade .....	6,275	6,717	6,736	4,312	4,596	4,601	6.96	9.16	9.36
(G)	Retail trade *	16,095	17,388	17,445	13,500	15,487	15,891	4.98	5.84	6.29
53	General merchandise stores .....	2,245	2,324	2,363	2,080	2,174	2,223	4.77	5.92	6.30
54	Food stores .....	2,384	2,775	2,873	2,202	2,567	2,655	6.24	7.35	7.06
56	Apparel and accessory stores .....	957	1,041	1,070	820	875	905	4.30	5.25	5.37
57	Furniture and home furnishings stores.....	606	735	771	502	608	641	5.53	7.13	7.29
58	Eating and drinking places .....	4,829	5,708	5,679	4,256	5,184	5,345	3.89	4.33	4.35
(H)	Finance, insurance, real estate .....	5,189	5,855	5,297	3,807	4,415	4,855	5.79	7.94	8.35
60	Banking .....	1,571	1,705	1,736	1,210	1,251	1,263	4.94	6.84	7.18
61	Credit agencies other than banks .....	570	780	831	431	570	625	5.12	7.21	7.81
62	Security, commodities brokers, services .....	227	355	362	(1)	(1)	(1)	(1)	(1)	(1)
63	Insurance carriers .....	1,224	1,282	1,364	854	883	930	6.29	8.61	9.07
64	Insurance agents, brokers, services .....	452	542	581	(1)	(1)	(1)	(1)	(1)	(1)
65	Real estate .....	981	1,132	1,187	(1)	(1)	(1)	(1)	(1)	(1)
65, 67	Other finance, insurance, real estate .....	135	180	205	(1)	(1)	(1)	(1)	(1)	(1)
(I)	Services *	17,998	22,900	23,088	15,921	19,368	20,298	5.85	7.88	8.16
70	Hotels and other lodging places .....	1,078	1,336	1,401	(1)	(1)	(1)	(1)	(1)	(1)
701	Hotels, motels, and tourist courts .....	1,038	1,290	1,356	954	1,158	1,215	4.45	5.83	5.86
72	Personal services *	901	1,055	1,104	(1)	(1)	(1)	(1)	(1)	(1)
721	Laundry, cleaning, garment services .....	358	379	388	318	338	344	4.47	5.78	5.90
723	Beauty shops .....	284	334	347	254	302	314	4.26	6.08	6.17
73	Business services *	3,092	4,457	4,781	2,698	3,883	4,113	6.02	8.18	8.43
731	Advertising .....	153	196	202	116	145	149	8.07	10.74	11.40
736	Personnel supply services *	563	916	1,017	(1)	(1)	(1)	(1)	(1)	(1)
7361	Employment agencies .....	(1)	180	158	(1)	(1)	(1)	(1)	(1)	(1)
7362	Temporary help supply services .....	(1)	708	807	(1)	(1)	(1)	(1)	(1)	(1)
737	Computer data process, services *	304	542	591	254	447	475	7.18	10.98	11.59
7372	Computer programming and software .....	(1)	185	216	(1)	(1)	(1)	(1)	(1)	(1)
7374	Data processing services .....	(1)	256	278	(1)	(1)	(1)	(1)	(1)	(1)
75	Auto repair, services, garages .....	571	731	762	486	614	639	6.10	7.40	7.55
753	Automobile repair shops .....	350	446	457	297	372	380	6.52	7.99	8.17
78	Motion pictures .....	217	225	227	191	190	191	7.89	12.12	12.09
783	Motion picture theaters .....	124	108	105	(1)	(1)	(1)	(1)	(1)	(1)
79	Amusement, recreation services .....	784	840	915	682	740	812	5.52	6.94	6.88
80	Health services *	5,278	6,299	6,551	4,712	5,807	5,823	5.88	8.08	8.34
805	Nursing, personal care facilities .....	897	1,199	1,250	688	1,085	1,129	4.17	5.61	5.80
806	Hospitals .....	2,750	2,997	3,038	2,522	2,732	2,769	6.06	9.00	9.36
808	Outpatient care facilities .....	133	216	247	(1)	(1)	(1)	(1)	(1)	(1)
81	Legal services .....	496	694	748	427	588	632	7.35	10.52	11.24
82	Educational services .....	1,126	1,362	1,428	(1)	(1)	(1)	(1)	(1)	(1)
83	Social services .....	1,134	1,354	1,457	(1)	(1)	(1)	(1)	(1)	(1)
86	Membership organizations .....	1,539	1,520	1,530	(1)	(1)	(1)	(1)	(1)	(1)
(J)	Government .....	16,341	16,394	16,711	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(J0)	Federal government .....	2,895	2,875	2,899	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(J1)	State government .....	3,810	3,832	3,886	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(J2)	Local government .....	9,785	9,687	9,922	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. \* Standard Industrial Classification, see text, section 13. \* Excludes government. \* 11-month average. \* Includes industries not shown separately. \* Includes blown. \* Women's and children's. \* Included in totals, not available separately. \* For changes in "Class I" classification, see text, section 21. \* Includes all employees except executives, officials, and staff assistants who received pay during the month.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

# NO. 643. INDEXES OF OUTPUT PER HOUR FOR ALL EMPLOYEES—SELECTED INDUSTRIES: 1970 TO 1985

[See text, section 13. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1870*, series W 14, 17, and 18, W 30-54, and W 62-65]

SIC CODE	INDUSTRY	INDEXES (1977 = 100)								AVERAGE ANNUAL PERCENT CHANGE <sup>c</sup>	
		1970	1975	1980	1981	1982	1983	1984	1985, prel.	1970-1980	1980-1985
(B)	Mining:										
1011	Iron (except ore)	111.1	117.8	123.2	130.6	88.2	138.6	170.4	183.7	2.2	8.4
1021	Copper (recoverable metal)	86.5	77.2	91.8	97.7	116.2	130.9	153.9	167.6	4.8	15.6
111, 121	Coal	141.1	105.3	112.5	122.2	119.2	136.1	151.3	154.4	.8	7.8
14	Nonmetallic minerals <sup>a</sup>	88.7	90.6	98.5	94.7	89.3	98.2	105.3	107.7	.8	2.8
(D)	Manufacturing:										
2011, 2013	Food products:										
2020	Red meat products	77.3	84.4	107.0	107.9	112.3	115.9	117.0	(NA)	+3.2	+2.5
203	Fluid milk	73.7	85.6	126.5	131.6	140.0	145.5	152.6	(NA)	+6.2	+4.9
204	Preserved fruits, vegetables	78.7	93.7	100.8	99.2	107.9	110.9	112.4	(NA)	+2.2	+3.3
205	Grain mill products	79.7	87.1	105.3	110.9	121.0	125.5	132.7	(NA)	+3.6	+6.0
206	Bakery products	87.5	93.4	93.7	96.2	103.3	106.9	106.8	(NA)	+1.6	+2.7
2081, 2, 3	Sugar	85.9	94.0	100.1	98.8	90.4	98.6	99.7	103.1	.8	.8
2086	Bottled, canned soft drinks	70.0	87.2	109.8	114.3	118.3	127.0	136.3	144.9	4.9	6.0
2111, 21, 31	Tobacco products	86.8	83.8	102.1	100.5	100.7	105.1	110.3	114.9	1.5	2.6
2251, 52	Hosiery	85.5	84.3	107.4	122.0	114.2	118.0	119.7	116.5	4.5	1.0
2281	Nonwool yarn mills	84.3	101.2	99.7	103.1	118.2	126.0	129.7	129.1	2.6	6.0
2421	Sawmills, planing mills	90.0	96.8	104.2	107.9	115.1	125.0	131.9	136.8	2.1	5.8
2431	Millwork	96.9	100.2	93.6	98.4	86.1	86.3	86.7	(NA)	+1.0	+2.2
2434	Wood kitchen cabinets	(NA)	88.1	98.2	94.8	96.1	93.5	93.8	(NA)	.9	+1.0
2435, 36	Veneer and plywood	83.2	97.8	102.8	106.9	114.4	120.8	120.3	(NA)	+2.6	+4.4
251	Household furniture	82.2	97.5	99.9	103.0	104.7	108.6	111.3	110.4	1.6	2.2
252	Office furniture	78.2	85.5	112.1	108.8	107.4	110.7	116.7	(NA)	+2.7	+1.6
2611, 21, 31, 61	Paper, paperboard, pulp mills	77.5	86.7	105.2	104.4	111.3	119.6	121.9	122.2	2.9	3.7
2653	Corrugated, solid fiber boxes	73.1	86.2	111.0	109.8	111.9	114.0	118.9	118.9	3.2	1.7
2823, 24	Synthetic fibers	53.8	84.5	115.7	120.9	103.6	126.2	125.3	134.8	5.5	2.1
2834	Pharmaceuticals	74.8	82.5	106.0	104.2	107.0	114.4	112.6	115.6	2.7	2.1
2841	Soaps, detergents	83.9	97.3	109.6	107.3	100.9	98.2	101.0	(NA)	+1.1	+2.6
2844	Cosmetics	85.9	94.0	83.6	78.1	84.0	86.0	84.6	(NA)	.7	+1.5
2851	Paints, allied products	74.9	84.2	100.8	99.8	106.5	111.5	114.8	120.6	2.8	4.0
2911	Petroleum refining	73.8	86.7	94.2	83.7	79.4	81.8	92.5	100.3	.8	1.8
3011	Fires, inner tubes	87.6	91.8	102.4	118.1	126.2	136.1	146.8	145.7	3.8	7.3
3079	Miscellaneous plastics	(NA)	86.2	95.7	96.5	110.1	107.1	109.9	(NA)	+2.4	+3.7
314	Footwear	100.3	101.3	99.1	95.8	106.4	103.9	105.7	104.6	.3	1.8
3221	Glass containers	87.2	98.5	106.2	110.1	106.8	108.5	126.0	132.1	2.3	4.7
325	Structural clay products	78.2	91.0	97.8	100.7	102.6	104.0	109.9	107.6	1.8	2.2
3271, 72	Concrete products	82.3	91.9	90.4	88.5	91.0	88.4	96.3	(NA)	.6	+2.6
331	Steel	87.6	93.3	102.9	112.0	90.9	116.8	131.3	136.5	2.0	6.8
3321	Gray iron foundries	79.8	87.0	90.8	92.7	93.7	98.7	106.8	108.2	1.2	4.1
3333, 54, 55	Aluminum rolling, drawing	86.0	87.5	100.0	96.8	99.2	110.4	116.2	117.1	2.8	4.2
3411	Metal cans	78.9	87.0	102.6	108.1	118.5	120.5	122.6	125.6	3.6	4.1
3441	Fabricated structural metal	102.2	97.4	102.1	96.5	98.4	103.3	106.8	(NA)	+4.4	+1.4
3465, 6, 9	Metal stampings	88.4	83.2	99.9	101.4	98.1	104.1	109.3	(NA)	+1.0	+2.1
3519	Internal combustion engines	78.4	86.7	94.3	93.2	82.0	86.3	98.7	(NA)	.9	.4
352	Farm, garden machinery	75.7	97.7	93.3	95.1	94.9	95.1	104.9	98.3	1.1	1.8
3531	Construction machinery, equipment	83.4	83.9	97.4	96.1	88.9	95.3	103.4	114.2	1.1	3.1
3541, 42	Machine tools	91.7	103.0	98.8	96.5	88.1	86.8	93.0	101.6	-.3	1
3545	Machine tool accessories	82.0	100.9	99.2	102.0	89.1	85.4	95.2	(NA)	+1.1	+2.6
3561, 63	Pumps and compressors	86.8	91.4	100.2	102.4	95.5	101.8	106.0	(NA)	+1.2	+1.1
3585	Refrigeration, heating equipment	88.4	89.9	93.8	99.4	100.1	101.2	104.1	(NA)	.4	+2.3
3621	Motors, generators	87.8	83.0	96.7	100.4	102.4	104.2	106.4	108.2	.8	2.2
3631, 2, 3, 9	Major household appliances	70.2	83.6	105.8	107.6	106.6	116.5	121.7	128.6	3.2	4.1
3651	Radio and TV sets	70.6	80.1	116.9	133.8	163.9	186.7	226.9	(NA)	+7.6	+16.8
371	Motor vehicles, equipment	70.5	87.7	90.8	93.1	99.9	109.6	115.9	122.5	2.7	6.7
3825	Instruments to measure electricity	(NA)	85.9	108.4	111.9	119.2	120.7	131.2	(NA)	+3.5	+4.7
(E, F, H, I)	Transportation, utilities, trade:										
401	RR transport (revenue traffic) <sup>b</sup>	77.7	88.5	107.3	111.5	115.8	141.9	152.6	162.1	4.3	8.8
Pts of 4111, 31, 414	Bus carriers <sup>c</sup>	107.3	97.0	100.9	90.7	98.8	85.4	90.9	(NA)	+1.0	+1.8
4213 pt.	Intercity trucking <sup>d</sup>	83.5	89.2	94.3	96.7	93.3	101.0	102.5	97.2	.8	1.0
4511	Air transportation <sup>e</sup>	71.4	87.6	106.2	104.9	114.8	126.8	131.7	136.1	4.0	5.8
4612, 13	Petroleum pipelines	79.5	95.7	93.0	86.0	89.2	94.3	104.5	104.3	.9	3.6
4811	Telephone communications	82.1	85.9	118.1	124.4	129.1	145.7	144.0	150.9	6.3	5.2
491, 82, 83	Gas and electric utilities	84.8	95.7	96.2	94.4	89.3	86.1	91.4	90.4	1	-1.2
54	Retail food stores <sup>f</sup>	109.8	100.7	96.9	95.2	93.5	93.9	93.6	82.7	-1.2	-1.1
5611	Franchised new car dealers	86.1	95.0	99.8	96.1	100.4	109.4	110.4	109.6	1.3	2.7
5641	Gasoline service stations <sup>g</sup>	75.3	85.6	104.3	105.8	110.7	118.1	121.0	124.1	3.3	3.9
56	Apparel, accessory stores <sup>h</sup>	82.2	106.3	120.1	127.1	130.9	137.8	146.8	156.2	4.0	5.2
57	Furniture, furnishings, equip. stores <sup>i</sup>	80.1	91.9	107.4	112.6	109.2	118.4	122.4	125.9	2.9	3.3
58	Eating, drinking places <sup>j</sup>	101.0	101.0	99.5	97.0	96.8	97.1	94.9	92.6	-.5	-1.2
5912	Drug, proprietary stores <sup>k</sup>	83.4	94.2	107.0	107.8	107.9	110.1	105.0	100.6	1.6	-1.0
592	Liquor stores <sup>l</sup>	(NA)	96.5	101.6	103.2	107.6	101.2	101.6	101.0	+1.6	-.4
602	Commercial banking	85.5	90.0	92.7	90.5	83.2	101.7	104.7	(NA)	.9	+3.7
7011	Hotels, motels, tourist courts <sup>m</sup>	85.1	89.7	95.0	91.6	88.8	95.4	102.1	97.0	1.0	1.4
721	Laundry cleaning services <sup>n</sup>	95.5	96.9	90.6	88.1	80.2	90.1	82.1	87.5	-.7	-.1
723, 724	Beauty and barber shops	(NA)	96.7	102.9	109.2	108.3	114.1	103.8	99.6	+1.8	-.7

NA Not available. <sup>a</sup> Standard Industrial Classification, see text, section 13. <sup>b</sup> For explanation of average annual percent change, see source. <sup>c</sup> Excludes taxis. <sup>d</sup> Change from 1970 to 1984 and 1980 to 1984. <sup>e</sup> Change from 1975 to 1984 and 1980 to 1984. <sup>f</sup> Class 1 line-haul railroads and switching and terminal companies. <sup>g</sup> Class 1 interstate carriers regulated by the ICC. <sup>h</sup> Refers to output per employee. <sup>i</sup> Data relate to all persons (paid employees, unpaid family workers, and the self-employed). <sup>j</sup> Change from 1975 to 1985.

Source: U.S. Bureau of Labor Statistics, Bulletin 2277, *Productivity Measures for Selected Industries, 1969-85*; and unpublished data.

## NO. 644. INDEXES OF PRODUCTIVITY AND RELATED MEASURES: 1960 TO 1986

[See text, section 13. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series D 689–704 and W 22–25]

ITEM	1960	1969	1970	1975	1980	1983	1983	1984	1986	1986
<b>INDEXES (1977 = 100)</b>										
Output, per hour, business sector .....	67.8	81.0	86.4	95.7	99.3	100.3	103.0	105.3	106.4	107.1
Nonfarm business .....	71.0	83.4	89.3	98.0	98.8	99.2	102.4	104.3	104.8	105.5
Manufacturing .....	62.2	76.6	80.8	92.9	101.4	105.9	112.0	116.6	121.7	126.0
Output, <sup>1</sup> business sector .....	55.4	70.0	80.3	89.4	106.7	105.5	109.9	116.8	122.7	125.9
Nonfarm business .....	54.6	68.5	80.0	89.1	106.7	104.9	110.1	118.6	122.5	125.9
Manufacturing .....	52.5	71.7	78.6	84.9	103.2	98.4	104.7	116.0	120.4	124.4
Hours, <sup>2</sup> business sector .....	81.9	86.4	90.8	93.4	107.5	105.2	106.7	112.8	115.3	117.5
Nonfarm business .....	76.9	83.3	89.7	92.8	106.0	105.7	107.5	114.0	116.9	119.3
Manufacturing .....	64.4	83.6	97.3	91.4	101.7	92.9	93.5	90.5	98.9	98.7
Compensation per hour, <sup>3</sup> business sector .....	33.6	41.5	57.6	85.2	131.5	154.9	161.5	166.1	175.3	180.9
Nonfarm business .....	35.3	42.5	58.2	85.6	131.3	154.8	161.5	167.9	174.6	179.8
Manufacturing .....	36.5	42.7	57.4	65.1	132.4	157.5	162.4	168.2	176.7	181.9
Real hourly compensation, <sup>3</sup> business sector .....	86.9	79.6	90.2	95.9	96.7	97.3	96.2	98.1	96.8	100.0
Nonfarm business .....	72.3	81.6	90.8	86.4	98.6	97.2	98.2	98.0	98.4	99.4
Manufacturing .....	74.6	62.0	89.5	95.9	97.4	98.9	98.8	98.1	98.5	100.5
Unit labor costs, <sup>4</sup> business sector .....	49.7	51.2	65.4	89.0	132.5	154.5	156.6	159.7	164.6	168.8
Nonfarm business .....	49.7	50.9	65.2	89.2	132.9	156.0	157.7	161.0	166.7	170.4
Manufacturing .....	58.7	55.8	71.0	91.7	130.6	146.7	145.0	144.2	145.1	144.3
<b>ANNUAL PERCENT CHANGE<sup>5</sup></b>										
Output per hour, business sector .....	1.7	3.0	.7	2.0	–.3	–.4	2.7	2.3	1.0	.7
Nonfarm business .....	1.1	2.5	.3	1.8	–.4	–.6	3.3	1.8	.5	.7
Output, <sup>1</sup> business sector .....	1.8	6.3	–.9	–2.1	–1.1	–3.1	4.2	8.1	3.3	2.6
Nonfarm business .....	1.7	6.4	–1.1	–2.3	–1.2	–3.3	4.9	8.0	3.0	2.8
Hours, <sup>2</sup> business sector .....	.1	3.2	–1.6	–4.0	–.8	–2.8	1.5	5.7	2.2	1.9
Nonfarm business .....	.6	3.8	–1.3	–4.0	–.7	–2.7	1.6	6.0	2.6	2.0
Compensation per hour, <sup>3</sup> business sector .....	4.3	3.8	7.3	9.7	10.5	7.8	4.2	4.1	4.3	3.2
Nonfarm business .....	4.4	3.4	7.0	9.7	10.5	7.8	4.3	4.0	4.0	3.0
Real hourly compensation, <sup>3</sup> business sector .....	2.7	2.1	1.2	.5	–2.7	1.6	1.0	–.1	.7	1.2
Nonfarm business .....	2.6	1.7	.9	.5	–2.7	1.5	1.1	–.3	.4	1.1
Unit labor costs, <sup>4</sup> business sector .....	2.6	.9	6.5	7.6	10.9	8.3	1.5	1.8	3.2	2.5
Nonfarm business .....	3.3	.8	6.7	7.8	11.0	8.4	1.1	2.1	3.5	2.3

<sup>1</sup> Refers to gross domestic product originating in the sector, in 1962 prices. <sup>2</sup> Hours of all persons engaged in the business and nonfarm business sectors (employees, proprietors, and unpaid family workers); employees' and proprietors' hours in manufacturing. <sup>3</sup> Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of same for self-employed. Real compensation deflated by the consumer price index for all urban consumers, see text, section 15. <sup>4</sup> Hourly compensation divided by output per paid hour. <sup>5</sup> All changes are from the immediately prior year.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

## NO. 645. AVERAGE ANNUAL TOTAL COMPENSATION AND WAGES AND SALARIES PER FULL-TIME EQUIVALENT EMPLOYEE, BY INDUSTRY: 1960 TO 1986

[In dollars, except percent. Wage and salary payments include executives' compensation, bonuses, tips, and payments in kind; total compensation includes, in addition to wages and salaries, employer contributions for social insurance, employer contributions to private pension and welfare funds, directors' fees, jury and witness fees, etc.]

INDUSTRY	ANNUAL TOTAL COMPENSATION					ANNUAL WAGES AND SALARIES				
	1960	1969	1984	1985	1983	1960	1969	1984	1985	1986
All domestic industries .....	18,815	23,297	24,277	25,321	26,296	15,757	18,639	20,169	21,036	21,036
Average annual percent change <sup>1</sup> .....	8.4	7.4	4.2	4.3	3.8	7.8	7.1	4.3	4.6	4.0
Agriculture, forestry, fisheries .....	9,838	11,634	12,189	12,912	13,341	8,598	10,125	10,536	11,195	11,623
Mining .....	28,181	35,561	37,106	38,596	40,432	23,405	29,806	30,777	32,053	33,418
Construction .....	22,033	26,548	26,791	27,639	28,489	18,571	21,966	22,061	22,766	23,567
Manufacturing .....	22,023	27,346	28,620	30,077	31,219	17,954	22,150	23,244	24,547	25,462
Transportation .....	25,029	29,634	30,306	30,884	31,496	20,850	24,379	24,811	25,224	25,626
Communication .....	28,341	37,160	37,961	40,185	41,974	22,079	26,646	29,376	31,373	32,806
Electric, gas, sanitary services .....	27,358	35,589	37,544	39,568	41,613	21,701	28,036	29,632	31,669	33,300
Wholesale trade .....	21,596	26,148	27,632	28,863	30,129	18,622	22,564	23,964	24,996	26,074
Retail trade .....	12,490	14,868	15,310	15,674	16,183	10,953	12,913	13,284	13,610	14,042
Finance, insurance, real estate .....	18,968	24,780	26,168	28,061	30,338	15,871	20,755	21,960	23,715	25,746
Services .....	15,236	19,589	20,481	21,366	22,307	13,480	17,095	17,895	18,709	19,525
Government and government enterprises .....	19,881	25,130	26,449	27,941	29,193	15,911	19,901	20,960	22,183	23,234

<sup>1</sup> Represents average for period of intervals shown; for 1960, change from 1975. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987.

### NO. 646. AVERAGE HOURLY AND WEEKLY EARNINGS IN CURRENT AND CONSTANT (1977) DOLLARS, BY PRIVATE INDUSTRY GROUP: 1970 TO 1986

[Gross weekly earnings includes overtime. Data are for production and related workers in mining, manufacturing, and construction, and nonsupervisory employees in other industries. Excludes agriculture. See headnote, table 640. See also *Historical Statistics, Colonial Times to 1970*, series D 877-892.]

PRIVATE INDUSTRY GROUP	CURRENT DOLLARS						CONSTANT (1977) DOLLARS					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Average hourly earnings .....	3.23	4.53	6.86	8.32	8.57	8.76	5.04	5.10	4.89	4.81	4.86	4.82
Manufacturing .....	3.35	4.53	7.27	9.19	9.54	9.73	5.23	5.44	5.34	5.42	5.44	5.46
Mining .....	3.85	5.85	9.17	11.63	11.96	12.44	6.01	6.70	6.74	6.66	6.83	6.86
Construction .....	5.24	7.31	9.94	12.13	12.32	12.47	6.17	8.23	7.30	7.16	7.02	7.00
Transportation, public utilities .....	3.85	5.88	8.87	11.12	11.40	11.70	6.01	6.82	6.52	6.56	6.50	6.57
Wholesale trade .....	3.44	4.73	6.95	8.89	9.16	9.35	5.37	5.33	5.11	5.24	5.22	5.25
Retail trade .....	2.44	3.36	4.88	5.85	5.94	6.03	3.81	3.78	3.59	3.45	3.36	3.36
Finance, insurance, real estate .....	3.07	4.06	5.79	7.83	7.94	8.35	4.79	4.57	4.25	4.50	4.52	4.60
Services .....	2.81	4.02	5.85	7.59	7.90	8.16	4.38	4.53	4.30	4.46	4.50	4.58
Average weekly earnings .....	120	184	236	280	305	306	187	184	173	173	176	171
Manufacturing .....	134	191	289	374	395	395	209	215	212	221	220	222
Mining .....	164	249	397	504	525	525	256	290	292	297	296	296
Construction .....	195	288	388	459	466	466	304	300	270	271	265	262
Transportation, public utilities .....	156	233	351	438	450	459	243	282	258	258	257	257
Wholesale trade .....	137	183	267	342	352	359	214	206	197	202	200	201
Retail trade .....	82	109	147	174	175	176	126	123	108	103	100	98
Finance, insurance, real estate .....	113	148	210	279	289	304	176	167	154	164	165	171
Services .....	97	135	191	247	257	265	151	152	140	146	148	149

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

### NO. 647. ANNUAL PERCENT CHANGES IN EARNINGS AND COMPENSATION: 1970 TO 1986

ITEM	1970-1977	1977-1978	1978-1979	1979-1980	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986
Current dollars:										
Hourly earnings, total <sup>1</sup> .....	6.0	8.4	8.3	8.1	8.9	5.9	4.4	3.7	3.0	2.2
Hourly earnings, manufacturing .....	6.8	8.6	8.6	8.5	9.9	6.3	4.0	4.1	3.8	2.0
Compensation per employee-hour <sup>1</sup> .....	7.8	8.5	9.4	10.4	8.4	7.8	4.3	3.6	4.4	3.8
Constant (1977) dollars:										
Hourly earnings, total <sup>1</sup> .....	1.4	.9	-2.8	-4.9	-1.2	-	1.2	.4	-.8	.8
Hourly earnings, manufacturing .....	2.2	.9	-2.4	-4.5	-.2	.2	.9	.6	.4	.4
Compensation per employee-hour <sup>1</sup> .....	1.2	.8	-1.7	-2.8	-.9	1.5	1.5	-.4	.8	1.6
Consumer Price Index <sup>1</sup> .....	6.5	7.7	11.3	13.5	10.4	8.1	3.2	4.3	3.6	1.9

- Represents zero. <sup>1</sup> Nonfarm business sector. <sup>2</sup> See text, section 15.

Source: U.S. Bureau of Labor Statistics, unpublished data.

### NO. 648. AVERAGE WEEKLY EARNINGS IN CURRENT AND CONSTANT (1977) DOLLARS, PRIVATE NONAGRICULTURAL AND MANUFACTURING INDUSTRIES: 1960 TO 1986

[In dollars. Gross earnings includes overtime. Based on reports from employing establishments and relate to full- and part-time wage and salary workers in nonagricultural establishments who worked during, or received pay for, any part of the pay period which includes the 12th of the month. See headnote, table 646. See *Historical Statistics, Colonial Times to 1970*, series D 804, for average weekly earnings in manufacturing.]

YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING		YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING	
	Current dollars	Constant (1977) dollars <sup>1</sup>	Current dollars	Constant (1977) dollars <sup>1</sup>		Current dollars	Constant (1977) dollars <sup>1</sup>	Current dollars	Constant (1977) dollars <sup>1</sup>
1960 .....	80.7	185.0	89.7	183.5	1978 .....	219.9	183.4	289.9	224.9
1965 .....	95.5	183.2	107.5	208.4	1980 .....	236.1	172.7	288.8	212.8
1970 .....	118.8	188.9	133.3	208.0	1981 .....	256.2	170.1	316.0	212.8
1974 .....	154.6	190.1	176.8	217.2	1982 .....	267.3	188.1	330.9	207.7
1975 .....	183.5	184.2	190.8	214.9	1983 .....	280.7	171.3	354.1	216.8
1976 .....	175.5	188.9	209.3	222.9	1984 .....	292.9	172.8	374.0	220.7
1977 .....	188.0	188.0	228.9	228.9	1985 .....	288.1	170.4	388.4	220.2
1978 .....	203.7	189.3	249.3	231.7	1986 .....	304.9	171.1	398.0	222.2

<sup>1</sup> Earnings in current dollars divided by the Consumer Price Index (CPI-W) on a 1977 base; see text, section 15.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

### No. 649. PRODUCTION WORKERS, MANUFACTURING INDUSTRIES—AVERAGE HOURLY EARNINGS, BY STATE: 1980 TO 1986

(In dollars)

DIVISION AND STATE	1980	1981	1982	1983	1984	1985	1986	DIVISION AND STATE	1980	1981	1982	1983	1984	1985	1986
U.S.	7.27	7.59	8.46	8.83	8.19	8.83	8.73	S.A.—Con.							
N.E.:								VA	6.22	6.84	7.37	7.79	8.10	8.51	8.84
ME	6.00	6.66	7.22	7.81	8.05	8.40	8.66	WV	6.06	6.80	6.40	6.74	6.93	10.24	10.36
NH	5.87	6.41	6.94	7.42	7.86	8.39	8.80	NC	5.37	5.94	6.95	6.88	7.01	7.29	7.54
VT	6.14	6.79	7.35	7.86	8.03	8.41	8.63	SC	5.59	6.18	6.86	7.03	7.28	7.81	7.92
MA	6.51	7.01	7.58	8.01	8.50	8.80	9.24	GA	5.77	6.37	6.75	7.13	7.58	8.10	8.34
RI	5.59	6.10	6.81	6.82	7.33	7.59	7.80	FL	5.98	6.53	7.02	7.33	7.82	7.86	8.02
CT	7.08	7.57	8.23	8.76	8.22	8.57	10.07	E.S.C.:							
S.A.:								KY	7.34	7.86	6.36	6.79	6.26	6.63	6.86
NY	7.18	7.84	8.35	8.84	9.22	9.67	9.82	TN	6.08	6.72	7.16	7.49	7.93	8.29	8.58
NJ	7.31	8.05	8.66	9.11	9.50	9.88	10.13	AL	6.49	7.01	7.33	7.58	7.97	8.48	8.84
PA	7.89	8.30	8.83	8.95	9.26	9.57	9.74	MS	5.44	6.01	6.41	6.70	6.96	7.22	7.46
M.I.C.:								W.S.C.:							
OH	8.57	9.53	10.07	10.58	10.96	11.38	11.56	AR	5.71	6.26	6.89	7.05	7.31	7.57	7.76
IN	8.49	9.37	9.79	10.10	10.45	10.71	10.81	LA	7.74	8.58	9.36	9.79	10.06	10.43	10.60
IL	8.02	8.91	9.31	9.70	10.08	10.37	10.67	OK	7.38	8.20	8.89	9.21	9.64	9.86	9.80
MI	9.52	10.53	11.18	11.82	12.18	12.64	12.80	TX	7.15	7.95	8.80	8.88	8.04	9.41	9.85
WI	8.03	8.80	9.37	9.78	10.03	10.26	10.36	Mt.							
W.M.C.:								MT	8.78	8.09	9.88	10.44	10.76	10.95	10.86
MN	7.61	8.40	8.11	8.56	9.75	10.05	10.20	ID	7.55	8.23	8.82	8.98	9.34	9.41	9.88
IA	8.67	9.80	10.01	10.09	10.24	10.32	10.33	WY	7.01	7.89	8.62	8.73	9.14	9.64	9.70
MO	7.26	7.90	8.46	8.89	9.31	9.57	9.80	CO	7.83	8.28	8.83	8.97	9.24	9.52	9.81
ND	8.56	7.12	7.50	7.73	7.86	8.06	8.18	NM	5.79	6.54	7.22	7.80	7.97	8.41	8.78
SD	8.50	7.12	7.36	7.31	7.14	7.43	7.72	AZ	7.29	8.02	8.73	8.98	9.09	9.46	9.84
NE	7.36	8.01	8.47	8.78	8.93	9.02	9.26	UT	7.02	7.74	8.40	8.68	8.92	9.54	10.06
KS	7.37	8.05	8.80	9.23	9.36	9.45	9.74	NV	7.72	8.42	8.80	9.02	9.12	9.15	9.36
S.A.:								Pac.:							
DE	7.58	8.28	8.84	9.19	9.28	9.86	10.11	WA	(NA)	(NA)	11.23	11.42	11.57	11.83	11.77
MD	7.81	8.38	8.78	9.02	9.45	9.73	9.96	OR	8.85	9.47	10.02	10.25	10.44	10.50	10.58
DC <sup>1</sup>	8.46	8.88	9.37	9.75	10.10	10.48	10.28	CA	7.70	8.56	9.24	9.52	9.77	10.12	10.37
								AK	10.22	11.42	11.74	12.33	12.25	12.19	11.62
								HI	8.83	7.83	7.97	8.23	8.36	8.65	8.86

NA Not available. <sup>1</sup> Represents Washington, DC metropolitan area.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

### No. 650. AVERAGE ANNUAL PAY, BY STATE: 1984 TO 1986

(In dollars except percent change. For workers covered by State unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees, approximately 90 percent of total civilian employment. Excludes most agricultural workers on small farms, all Armed Forces, elected officials in most States, railroad employees, most domestic workers, employees of certain nonprofit organizations and most self-employed individuals. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Minus sign (-) indicates decrease.)

STATE	AVERAGE ANNUAL PAY			PERCENT CHANGE	
	1984	1985	1986 <sup>1</sup>	1984-1985	1985-1986
U.S.	18,363	19,186	19,986	4.5	4.1
AL	16,203	17,023	17,838	5.1	3.6
AK	26,806	28,699	28,442	4	9
AZ	17,348	18,037	18,870	4.0	4.6
AR	14,973	15,553	16,162	3.9	3.9
CA	19,898	20,950	21,885	5.3	5.0
CO	18,797	19,589	20,275	4.1	3.6
CT	20,010	21,226	22,516	6.1	6.1
DE	18,505	19,150	19,839	3.5	2.6
DC	25,121	26,180	27,137	4.1	3.7
FL	16,184	16,858	17,879	4.8	4.2
GA	16,064	17,912	18,746	5.7	4.7
ID	16,701	17,329	18,101	3.8	4.5
IL	15,793	16,353	16,802	3.5	1.5
IN	19,722	20,801	21,452	4.5	4.1
IA	17,832	18,501	19,024	3.8	2.8
IS	15,868	16,097	16,598	2.7	3.1
KS	16,675	17,391	17,934	3.9	3.5
KY	16,627	16,941	17,357	1.9	2.5
LA	17,768	18,216	18,280	2.5	4
ME	14,850	15,428	16,326	3.9	5.8
MD	18,155	19,062	20,121	5.2	5.4
MA	18,414	19,627	20,925	6.6	6.6
MI	20,991	21,884	22,720	4.5	3.8
MN	16,043	18,818	19,830	4.3	4.3
MO	14,399	14,851	15,480	3.8	3.1
MT	17,800	16,336	16,915	4.2	3.1
NE	15,162	15,816	16,108	3.0	3.1
NV	17,565	18,179	18,739	3.5	3.1
NH	18,164	17,205	18,303	5.4	6.4
NJ	19,871	21,077	22,308	6.1	5.8
NM	18,426	18,969	17,301	3.4	1.8
NY	20,752	21,801	23,200	5.5	5.9
NC	15,426	16,226	17,001	5.2	4.8
ND	15,289	15,588	15,778	2.0	1.2
OH	18,786	19,433	19,902	3.4	2.4
OK	17,812	18,196	18,345	3.3	.8
OR	17,382	17,837	18,322	2.6	2.7
PA	17,931	18,549	19,404	4.0	4.1
RI	16,150	16,864	17,733	4.4	5.2
SC	15,305	15,944	16,800	4.2	4.1
SD	13,530	13,967	14,477	3.4	3.6
TN	16,217	16,987	17,881	4.7	4.0
TX	18,880	19,516	19,934	4.0	1.8
UT	17,174	17,577	17,863	2.3	1.6
VT	15,284	16,023	16,857	5.0	5.2
VA	17,271	18,089	18,972	4.7	4.9
WA	18,382	18,949	19,645	3.1	3.7
WV	17,479	18,019	18,406	3.1	2.1
WI	17,026	17,594	18,202	3.3	3.5
WY	18,318	18,860	18,989	3.4	1

<sup>1</sup> Preliminary, revised since originally published.Source: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages 1986*, and *USDOL News Release 87-877, Average Annual Pay by State and Industry, 1987*.



### NO. 651. FULL-TIME WAGE AND SALARY WORKERS—NUMBER AND MEDIAN WEEKLY EARNINGS, BY SELECTED CHARACTERISTIC: 1983 TO 1986

(In current dollars of usual weekly earnings. Data represent annual averages of quarterly data. Data revised since previously published. See text, section 13 for a discussion of occupation data. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation)

CHARACTERISTIC	NUMBER OF WORKERS (1,000)				MEDIAN WEEKLY EARNINGS			
	1983	1984	1985	1986	1983	1984	1985	1986
All workers.....	76,976	74,912	77,062	78,727	\$313	\$326	\$343	\$363
Male.....	42,309	44,854	45,589	48,233	378	391	406	419
16 to 24 years old.....	6,702	7,153	6,956	6,822	223	231	240	245
25 years old and over.....	35,607	37,501	38,632	39,410	406	422	442	452
Female.....	26,667	29,258	31,414	32,494	252	265	277	289
16 to 24 years old.....	5,345	5,536	5,621	5,513	197	203	210	218
25 years old and over.....	23,322	24,720	25,793	26,981	267	282	296	306
White.....	61,739	64,669	66,481	67,779	319	336	355	370
Male.....	37,376	39,331	40,030	40,471	367	400	417	433
Female.....	24,361	25,558	26,452	27,308	254	266	281	294
Black.....	7,373	8,023	8,399	8,654	261	269	277	281
Male.....	3,863	4,227	4,367	4,464	293	302	304	318
Female.....	3,490	3,797	4,032	4,190	231	241	252	263
Family relationship:								
Husbands.....	28,720	29,932	30,280	30,481	410	429	456	475
Wives.....	14,664	15,621	16,270	16,820	257	272	285	289
Women who maintain families.....	3,948	4,220	4,333	4,512	256	266	278	289
Men who maintain families.....	1,331	1,212	1,313	1,411	377	380	386	387
Occupation:								
Managerial and professional.....	17,451	18,560	19,361	20,085	437	468	486	505
Exec., admin., managerial.....	8,117	8,856	9,328	9,777	460	483	497	511
Professional specialty.....	9,334	9,725	10,053	10,317	422	455	481	500
Tech. sales, and admin. support.....	21,641	22,560	23,426	24,060	281	296	307	320
Tech. and related support.....	2,574	2,664	2,762	2,821	257	279	286	416
Sales.....	8,319	8,850	7,156	7,395	308	319	336	351
Admin. support, incl. clerical.....	12,756	13,078	13,507	13,844	263	275	286	300
Service.....	7,321	7,824	7,910	8,081	205	212	216	223
Private household.....	278	338	342	334	117	134	132	121
Protective.....	1,453	1,457	1,483	1,569	344	365	381	382
Other service.....	5,590	5,828	6,085	6,138	191	199	209	209
Precision production <sup>1</sup> .....	9,983	10,644	10,932	10,851	377	384	397	406
Mechanics and repairmen.....	3,536	3,707	3,897	3,723	376	386	400	414
Construction trades.....	3,011	3,249	3,361	3,489	374	383	393	401
Other.....	3,414	3,687	3,674	3,659	382	379	388	407
Operators, fabricators and laborers.....	13,319	14,129	14,067	14,342	275	287	295	301
Machine operators, assemblers, inspectors.....	6,990	7,299	7,181	7,254	263	277	287	293
Transportation and moving materials.....	3,356	3,651	3,648	3,684	328	344	350	366
Handlers, equipment cleaners, helpers, and laborers.....	2,970	3,179	3,238	3,404	243	251	251	285
Farming, forestry, fishing.....	1,280	1,345	1,288	1,318	196	203	212	217

<sup>1</sup> Including crafts and repair.

### NO. 652. MEDIAN USUAL WEEKLY EARNINGS OF FAMILIES, BY TYPE OF FAMILY AND NUMBER OF WORKERS: 1980 TO 1986

(Annual averages of quarterly figures based on Current Population Survey; see text, section 1, and Appendix III. For families with wage and salary workers)

FAMILY TYPE AND NUMBER OF WORKERS	NUMBER OF FAMILIES (1,000)					MEDIAN USUAL WEEKLY EARNINGS (dollars)				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Total families <sup>1</sup> .....	41,182	40,701	40,944	41,618	42,101	460	471	486	522	549
Married couple families.....	33,825	33,032	33,070	33,459	33,699	433	511	548	582	606
One worker.....	14,797	14,321	13,532	13,347	13,049	303	350	371	385	389
Husband.....	12,127	11,068	10,804	10,346	9,979	336	400	418	440	459
Wife.....	2,059	2,522	2,220	2,243	2,351	159	199	206	217	226
Other.....	611	712	708	758	719	163	190	197	204	210
Two workers or more <sup>2</sup> .....	19,028	18,710	19,537	20,112	20,520	535	645	662	715	744
Husband and wife only.....	12,990	12,983	13,564	14,019	14,347	507	615	650	684	712
Husband and other family member(s).....	2,369	2,084	2,182	2,159	2,058	557	651	685	689	739
Wife and other family member(s).....	426	529	498	514	532	350	392	424	454	489
Families maintained by women.....	5,690	5,956	6,294	6,470	6,718	222	269	284	297	307
One worker.....	4,022	4,190	4,343	4,397	4,607	164	218	227	234	242
Two or more workers.....	1,668	1,766	1,951	2,073	2,110	370	440	455	487	489
Families maintained by men.....	1,547	1,713	1,581	1,688	1,814	380	410	421	450	444
One worker.....	1,016	1,066	983	1,031	1,133	263	321	334	346	361
Two or more workers.....	531	647	618	656	681	502	557	611	625	687

<sup>1</sup> Excludes families where the husband, wife, or householder is self-employed. <sup>2</sup> Includes other combinations not shown separately.

Source of tables 651 and 652: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

I. 653. NUMBER OF WORKERS WITH EARNINGS AND MEDIAN EARNINGS, BY OCCUPATION OF LONGEST JOB HELD AND SEX: 1986

Persons 15 years old and over as of March 1987. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation]

OCCUPATION GROUP OF LONGEST JOB HELD	ALL WORKERS				YEAR ROUND FULL-TIME					
	Women		Men		Women		Men		Ratio: Women to men	
	Num-ber (1,000)	Median earn-ings	Num-ber (1,000)	Median earn-ings	Num-ber (1,000)	Median earn-ings	Num-ber (1,000)	Median earn-ings	Num-ber	Medi-an earn-ings
Total.....	87,803	\$10,016	88,728	\$16,782	28,420	\$16,232	45,912	\$25,258	.62	.94
Managers, administrators, and professional specialty.....	5,162	19,133	8,494	32,071	3,911	21,432	7,265	34,962	.54	.61
Business and related support.....	8,051	18,195	7,620	31,654	4,590	23,076	6,061	35,143	.76	.68
Support, incl. clerical.....	1,702	16,014	1,797	25,213	1,094	19,236	1,355	27,960	.81	.89
Production, craft and related.....	7,745	5,475	7,424	21,076	2,688	12,958	5,368	26,803	.50	.45
Operators, assemblers, inspectors, and laborers.....	16,239	11,581	3,694	17,679	9,305	15,509	2,609	22,718	3.45	.66
Transportation and material moving.....	1,351	11,807	13,494	19,710	752	16,810	9,174	24,261	.06	.69
Food preparation and related.....	3,806	9,373	5,091	17,058	1,968	12,324	3,459	20,551	.57	.80
Equipment cleaners, and laborers.....	458	8,327	4,637	17,480	131	14,310	2,998	21,770	.04	.66
Workers.....	1,022	5,883	5,112	7,872	318	12,198	2,055	17,694	.15	.69
Household.....	11,431	4,529	7,197	9,319	3,458	10,367	3,630	17,332	.95	.80
Private household.....	1,347	1,549	61	(b)	189	6,638	4	(b)	47.25	(x)
Except private household.....	10,084	5,155	7,136	9,468	3,267	10,568	3,626	17,345	.90	.61
Forestry, and fishing.....	697	2,271	3,790	4,908	182	8,032	1,760	10,748	.10	.75

(b) Less than 75,000. X Not applicable. <sup>1</sup> Includes persons whose longest job was in the Armed Forces. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 158.

654. EFFECTIVE FEDERAL MINIMUM HOURLY WAGE RATES, 1950 TO 1987, AND COVERAGE IN 1986

Estimates as of September 1983, except as indicated. The Fair Labor Standards Act of 1938 and subsequent amendments provide for minimum wage coverage applicable to specified nonsupervisory employment categories. Exempt from coverage are executives and administrators or professionals]

EFFECT	MINIMUM RATES FOR NONFARM WORKERS			Mini- mum rates for farm work- ers <sup>4</sup>	SEX, RACE, AND INDUSTRY	NONSUPERVISORY EMPLOYEES, 1980				
	Laws prior to 1980 <sup>1</sup>	Per- cent, avg. earn- ings <sup>2</sup>	1980 and later <sup>3</sup>			Total (1,000)	Subject to minimum wage rates			
							Total (1,000)	Per- cent of total	Prior to 1980 <sup>5</sup> <sup>6</sup> (1,000)	1980 and later <sup>7</sup> <sup>8</sup> (1,000)
1960.....	\$ .75	54	(x)	(x)	Total.....	85,417	74,680	87.4	47,630	27,050
1966.....	1.00	52	(x)	(x)	Male.....	44,734	39,007	87.2	26,432	12,575
1961.....	1.15	50	(x)	(x)	Female.....	40,683	35,673	87.7	21,196	14,475
1963.....	1.25	51	(x)	(x)	White.....	75,125	65,449	87.1	42,549	22,900
1967.....	1.40	50	\$1.00	\$1.00	Black and other.....	10,292	9,231	89.7	5,061	4,150
1968.....	1.60	54	1.15	1.15	Black only.....	9,373	8,408	89.7	4,638	3,770
1969.....	( <sup>a</sup> )	51	1.30	1.30	Private industry.....	75,134	64,397	85.7	47,630	16,767
1970.....	( <sup>a</sup> )	49	1.45	( <sup>b</sup> )	Agriculture <sup>9</sup> .....	1,564	602	38.5	-	602
1971.....	( <sup>a</sup> )	46	1.60	( <sup>b</sup> )	Mining.....	655	651	99.4	651	-
1974.....	2.00	46	1.90	1.60	Construction.....	4,787	4,765	99.5	3,973	792
1975.....	2.10	45	2.00	1.80	Manufacturing.....	17,053	16,581	97.2	16,478	103
1976.....	2.30	46	2.20	2.00	Transp., public utilities.....	4,758	4,727	99.3	4,649	78
1977.....	( <sup>a</sup> )	42	2.30	2.20	Wholesale trade.....	5,044	4,023	79.8	3,774	249
1978.....	2.65	44	2.65	2.65	Retail trade.....	16,357	13,931	85.2	7,109	6,822
1979.....	2.90	45	2.90	2.90	Finance, insurance, real estate.....	5,473	4,150	75.8	3,968	162
1980.....	3.10	44	3.10	3.10	Service <sup>8</sup> .....	17,899	13,942	77.9	7,006	6,834
1981.....	3.35	43	3.35	3.35	Private households.....	1,544	1,025	66.4	-	1,025
1987.....	( <sup>a</sup> )	34	( <sup>a</sup> )	( <sup>b</sup> )	Government <sup>9</sup> <sup>10</sup> .....	10,263	10,263	100.0	-	10,263

(x) Represents zero. X Not applicable. <sup>1</sup> Applies to workers covered prior to 1961 Amendments and, after Sept. 1965, to workers covered by 1961 Amendments. Rates set by 1961 Amendments were: Sept. 1961, \$1.00; Sept. 1964, \$1.15; and Sept. 1965, \$1.25. <sup>2</sup> Percent of gross average hourly earnings of production workers in manufacturing. <sup>3</sup> Applies to workers newly covered by Amendments of 1966, 1974, and 1977, and Title IX of Education Amendments of 1972. <sup>4</sup> Included in coverage as of 1974, and 1977 Amendments. <sup>5</sup> No change in rate. <sup>6</sup> Includes workers in retail-service establishments with less than \$10,000 in gross annual sales which are part of enterprises covered under criteria in effect prior to the 1968 Amendments. <sup>7</sup> Workers became subject under the 1974 Amendments. <sup>8</sup> Currently employed workers subject to provisions. <sup>9</sup> Estimates for educational services in private and government relate to October. <sup>10</sup> Federal, State, and local employees.

Source: U.S. Department of Labor, Employment Standards Administration, *Minimum Wage and Maximum Hours Standards Under the Fair Labor Standards Act, 1938*, annual; and unpublished data.

## No. 655. EMPLOYMENT COST INDEX (ECI), BY INDUSTRY AND OCCUPATION: 1961 TO 1966

[The ECI is a measure of the rate of change in employee compensation (wages, salaries, and employer costs for employee benefits). Data are not seasonally adjusted. Beginning June 1966, based on fixed employment counts from the 1960 Census of Population; 1961-1965 based on 1970 Census of Population]

ITEM	INDEXES (June 1961 = 100)							PERCENT CHANGE FOR 12 MONTHS ENDING—				
	Dec. 1961	Dec. 1962	Dec. 1963	Dec. 1964	Dec. 1965	June 1966	Dec. 1966	Dec. 1962	Dec. 1963	Dec. 1964	Dec. 1965	Dec. 1966
Civilian workers <sup>1</sup>	104.6	111.4	117.8	123.8	129.2	131.6	133.8	6.8	6.7	6.2	4.3	3.6
Workers, by occupational group:												
White-collar workers	104.9	111.9	118.9	125.5	131.6	134.2	136.9	6.7	6.3	5.6	4.9	4.0
Blue-collar workers	104.1	110.5	115.8	120.8	124.9	126.8	128.4	6.1	4.8	4.4	3.3	2.6
Service workers	104.2	112.4	119.1	126.8	131.6	133.7	136.6	7.8	6.0	6.5	3.9	3.6
Workers, by industry division:												
Manufacturing	104.0	110.4	116.0	122.0	126.0	129.7	130.1	6.2	5.1	5.2	3.3	3.3
Nonmanufacturing	104.6	111.6	116.6	124.8	130.6	132.6	135.4	6.7	6.1	5.2	4.6	3.7
Services	107.1	115.0	122.6	130.8	137.1	139.4	143.8	7.4	6.8	6.6	4.7	4.7
Public administration <sup>2</sup>	106.0	113.6	121.4	126.6	134.8	138.0	141.6	7.2	6.9	5.9	4.9	5.0
Private industry workers <sup>3</sup>	104.0	110.7	117.0	122.7	127.5	129.9	131.6	6.4	6.7	4.9	3.8	3.2
Workers, by occupational group:												
White-collar workers	104.0	110.6	117.9	123.9	129.6	132.5	134.3	6.5	6.4	6.1	4.8	3.5
Blue-collar workers	104.0	110.3	115.7	120.6	124.4	126.3	127.8	6.1	4.9	4.2	3.2	2.7
Service workers	103.1	111.6	117.9	125.7	129.5	131.1	133.5	6.4	5.5	6.6	3.0	3.1
Workers, by industry division:												
Manufacturing	104.0	110.4	116.0	122.0	126.0	129.7	130.1	6.2	5.1	5.2	3.3	3.3
Nonmanufacturing	103.9	110.8	117.5	123.1	126.4	130.6	132.4	6.6	6.0	4.8	4.3	3.1
Workers by bargaining status:												
Union	104.6	112.3	118.8	123.8	127.1	129.7	129.6	7.2	6.8	4.3	2.6	2.1
Non-union	103.5	109.7	115.9	121.9	127.5	130.2	132.1	6.0	5.7	5.2	4.6	3.8
State and local government workers	107.4	115.1	122.0	130.1	137.5	139.7	144.7	7.2	6.6	6.6	6.7	6.2
Workers, by occupational group:												
White-collar workers	107.6	115.6	122.6	131.1	138.8	140.5	146.0	7.4	5.9	6.8	5.7	5.3
Blue-collar workers	105.9	113.0	119.2	125.9	132.7	136.3	136.5	6.7	5.6	5.6	5.4	5.1
Workers, by industry division:												
Services	107.9	115.9	122.6	131.3	139.1	140.8	146.6	7.4	5.8	7.1	5.9	5.4
Schools	107.9	115.8	122.6	132.0	140.3	141.7	146.4	7.3	5.9	7.7	6.3	5.8
Elementary and secondary	108.3	116.6	123.9	133.5	142.0	143.2	150.3	7.7	6.3	7.7	6.4	5.9
Hospitals and other services <sup>4</sup>	107.8	116.0	122.6	129.2	135.2	137.9	141.1	7.6	5.7	5.4	4.6	4.4
Public administration <sup>5</sup>	106.0	113.6	121.4	126.6	134.8	138.0	141.6	7.2	6.9	5.9	4.8	5.0

<sup>1</sup> Includes private industry and State and local government workers and excludes farm, household, and Federal government workers. <sup>2</sup> Consists of legislative, judicial, administrative, and regulatory activities. <sup>3</sup> Excludes farm and household workers. <sup>4</sup> Includes library, social, and health services.

Source: U.S. Bureau of Labor Statistics, *News, Employment Cost Index*, quarterly.

## No. 656. EMPLOYEES WITH EMPLOYER- OR UNION-PROVIDED PENSION PLANS, OR GROUP HEALTH PLANS, BY OCCUPATION AND INDUSTRY: 1965

[In thousands, except percent. For civilian wage and salary workers 15 years old and over as of March 1966. Based on Current Population Survey; see text, section 1, and Appendix B]

OCCUPATION	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS		INDUSTRY	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS	
		Num- ber	Per- cent	Num- ber	Per- cent			Num- ber	Per- cent	Num- ber	Per- cent
Total <sup>1</sup>	114,410	48,988	42.8	88,914	69.2	Total <sup>1</sup>	114,410	48,988	42.8	88,914	69.2
Managerial and professional specialty	25,444	15,601	61.3	19,480	76.5	Agriculture, for- estry, fisheries	2,420	259	10.7	594	24.5
Executive, admin. and managerial	11,790	7,008	59.4	9,449	60.1	Mining	1,094	617	56.4	608	55.1
Prof. specialty	13,654	8,593	62.9	10,011	73.3	Construction	6,896	2,305	33.6	3,726	54.3
Technical, sales and admin. support	36,168	14,922	41.3	21,569	59.7	Manufacturing	22,772	13,002	57.1	18,367	80.6
Service workers	17,415	3,795	21.8	5,800	33.3	Transportation, public utilities	7,839	4,992	63.7	6,280	79.7
Pvt. household	1,420	7	.5	29	2.0	Wholesale trade	4,836	1,895	41.6	3,221	71.9
Service, exc. pvt. household	15,995	3,788	23.7	5,771	36.1	Retail trade	20,535	4,031	19.6	7,561	36.8
Farming, forestry and fishing	2,861	271	9.4	588	20.6	Finance, insurance, real estate	7,079	3,463	48.9	5,014	70.8
Precision prod., craft, and repair	13,187	6,297	48.5	9,348	70.9	Business services	5,830	1,583	27.3	2,630	45.1
Operatives, laborers and helpers	19,177	7,900	41.2	12,036	62.8	Personal services	4,680	482	10.3	1,061	22.6
						Entertainment and recreation	1,592	257	16.1	474	29.8
						Professional and related	23,436	11,783	50.1	14,997	64.2
						Public adminis- tration	5,963	4,240	71.2	4,291	71.9

<sup>1</sup> Includes civilians whose longest job was in the Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155.

## No. 657. EMPLOYEE BENEFITS IN MEDIUM AND LARGE FIRMS: 1986

[For January through June. Covers full-time employees in private industry; excludes small firms (establishments with fewer than 50 to 250 employees, depending on the industry), executive management and traveling operating employees, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved. Based on sample survey of establishments]

TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative employees	Technical and clerical employees	Production employees	TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative employees	Technical and clerical employees	Production employees
Percent of employees participating in—					Retirement and savings plans—Con.				
Paid Vacations.....	100	99	100	100	Employee stock ownership.....	30	32	32	27
Holidays.....	99	99	100	98	Profit sharing.....	22	22	22	22
Jury duty leave.....	93	96	96	90	Money purchase pension.....	2	2	1	2
Funeral leave.....	86	87	87	86	Stock purchase.....	3	4	3	2
Rest time.....	72	58	69	82	Additional benefits: <sup>1</sup>				
Military leave.....	66	74	72	56	Parting.....	66	82	77	92
Sick leave.....	70	93	93	45	Educational assistance.....	78	86	84	68
Personal leave.....	25	33	35	15	Employee discounts.....	57	54	51	56
Lunch time.....	10	3	4	17	Travel accident insurance.....	52	72	63	38
Insurance plans:					In-house infirmary.....	48	47	36	50
Health.....	95	95	94	95	Severance pay.....	45	61	57	31
Noncontributory.....	54	52	45	81	Relocation allowance.....	43	82	41	24
Hospital/surgical <sup>2</sup> .....	94	94	94	95	Recreation facilities.....	33	37	31	32
Mental health care.....	94	94	94	94	Subsidized meals.....	21	26	26	16
Private duty nursing.....	89	82	81	87	Nonproduction bonuses, cash.....	20	22	20	19
Dental.....	67	71	66	65	Gifts, non-cash.....	14	14	14	14
Extended care facility.....	66	70	66	65	Financial counseling.....	11	13	14	6
Home health care.....	63	67	66	58	Supplemental unemployment benefits.....	8	4	3	13
Vision.....	36	37	39	38	Subsidized commuting.....	5	6	7	3
Life.....	95	87	95	95	Prepaid legal services.....	3	2	2	5
Noncontributory.....	67	87	87	56	Child care.....	1	2	1	1
Accident/sickness.....	49	26	35	69	Flexible benefits plans.....	2	4	2	1
Noncontributory.....	41	22	26	59	Reimbursement accounts <sup>3</sup> .....	5	9	7	1
Long-term disability.....	48	66	60	30	Mean number of—				
Noncontributory.....	38	52	47	24	Paid holidays.....	10.0	10.2	9.8	10.0
Retirement and savings plans:					Paid vacation days after—				
Defined benefit pension.....	76	76	78	74	1 year.....	8.8	10.1	9.6	7.5
Noncontributory.....	71	73	74	69	3 years.....	10.5	11.0	10.5	10.2
Defined contribution.....	80	71	70	49	5 years.....	12.7	13.5	13.0	12.0
Savings and thrift.....	28	39	36	17	10 years.....	15.8	16.5	16.0	15.3
					15 years.....	18.5	19.0	18.9	17.9
					20 years.....	20.6	21.2	20.7	20.3
					25 years.....	22.2	22.7	22.5	21.7

<sup>1</sup> Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. <sup>2</sup> 1986 data, except flexible benefit plans and reimbursement accounts for 1985. <sup>3</sup> Account which is used throughout the year to pay for plan premiums or to reimburse the employee for benefit related expenses. Account may be financed by employer, employee, or both.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in Medium And Large Firms, 1985 and 1986*, Bulletin 2262 and 2261.

## No. 656. WORK DISABILITY STATUS, BY OCCUPATION, HEALTH AND PENSION COVERAGE, AND INDUSTRY: 1987

[In thousands, except percent. As of March. For civilian noninstitutional population, 16-64 years old]

OCCUPATION AND COVERAGE	WITH A WORK DISABILITY		WITH NO WORK DISABILITY		INDUSTRY	WITH A WORK DISABILITY		WITH NO WORK DISABILITY	
	Number	Percent	Number	Percent		Number	Percent	Number	Percent
Total employed.....	3,786	3.5	103,086	96.5	Agriculture.....	126	4.7	2,560	95.3
OCCUPATION					Forestry and fisheries.....	11	5.8	178	94.2
Managerial, prof. specialty.....	679	2.5	26,175	97.5	Mining.....	21	2.6	762	97.4
Tech. sales, adm. support.....	1,045	3.1	32,467	96.9	Construction.....	289	4.3	6,446	95.7
Service.....	697	4.9	13,554	95.1	Manufacturing.....	821	3.1	19,496	96.9
Farm, forest, fish.....	135	4.7	2,742	95.3	Durable goods.....	354	3.2	11,623	96.8
Precision production, craft and repair.....	535	4.1	12,360	95.9	Nondurable goods.....	236	2.9	7,873	97.1
Operators, fabricators, laborers.....	695	4.2	15,762	95.8	Transp., communication, and other public utilities.....	270	3.6	7,237	96.4
COVERAGE					Wholesale trade.....	156	3.6	4,226	96.4
Worked in 1985.....	3,515	3.4	101,147	96.6	Retail trade.....	598	3.3	17,402	96.7
Covered by—					Finance, insurance, and real estate.....	177	2.5	6,991	97.5
Both health and pension.....	1,134	2.7	41,474	97.3	Services <sup>1</sup> .....	1,361	3.9	32,932	96.1
Health only.....	512	2.9	17,276	97.1	Business services.....	211	4.6	4,342	95.4
Pension only.....	110	2.7	3,948	97.3	Personal services.....	242	6.0	3,778	94.0
					Public administration.....	169	3.4	4,839	96.6

<sup>1</sup> Includes industries not shown separately.

Source: U.S. Bureau of the Census, unpublished data.

### NO. 659. MAJOR COLLECTIVE BARGAINING AGREEMENTS—AVERAGE PERCENT EFFECTIVE WAGE ADJUSTMENTS: 1975 TO 1986

[In percent, except as indicated. Data represent all wage adjustments implemented under the terms of private nonfarm industry agreements affecting 1,000 workers or more. Series cover production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Effective wage adjustment data measure all wage changes effective in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living adjustment (COLA) clauses]

ADJUSTMENTS	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total effective adjustments (prorated over all workers)	6.7	6.1	6.0	6.2	6.1	9.9	9.5	8.6	4.0	3.7	3.3	2.9
Source:												
Current settlements	2.8	3.2	3.0	2.0	3.0	3.8	2.5	1.7	.8	.8	.7	.5
Prior agreements	3.7	3.2	3.2	3.7	3.0	3.5	3.8	3.8	2.5	2.0	1.8	1.7
COLA	2.2	1.6	1.7	2.4	3.1	2.6	3.2	1.4	.8	.9	.7	.2
Industry:												
Manufacturing	6.5	6.5	6.4	6.6	6.6	10.2	9.4	5.2	2.7	4.3	2.8	1.5
Nonmanufacturing	6.9	7.7	7.6	7.9	6.6	9.7	9.5	7.9	4.8	3.3	3.8	2.9
Construction	6.1	7.2	6.5	6.5	7.1	9.9	11.2	9.7	4.4	3.9	3.0	3.0
Transportation and public utilities	9.7	7.8	6.5	8.2	11.2	10.6	6.6	7.1	4.4	3.0	3.8	2.7
Wholesale and retail trade	9.2	6.8	6.7	6.4	6.7	7.6	6.1	6.8	5.1	3.4	3.3	2.8
Services	6.4	6.7	6.7	6.6	7.0	6.1	9.6	7.8	7.0	4.9	5.1	3.7
Nonmanufacturing, excluding construction	9.3	7.9	6.1	8.5	9.5	9.6	6.8	7.1	5.0	3.4	3.7	2.9
Effective wage change for workers receiving change							9.6	7.2	4.7	4.4	4.1	2.8
Source:												
Current settlements							9.6	7.4	2.8	3.0	3.4	1.8
Prior agreements							5.3	6.3	5.9	4.0	3.7	3.9
COLA							6.1	3.1	2.1	2.7	2.2	1.0
Total number of workers receiving wage change (mil.)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6.6	7.9	6.6	6.2	6.6	5.4
Source (mil.):												
Current settlements							2.3	1.9	2.3	1.9	1.4	1.9
Prior agreements							6.3	4.6	3.3	3.7	3.4	2.8
COLA							4.5	3.8	2.3	2.5	2.3	1.4
Number of workers not receiving a wage change (mil.)							1	.5	1.2	1.1	1.4	1.2

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

### NO. 660. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—AVERAGE PERCENT ADJUSTMENTS IN WAGES AND COMPENSATION NEGOTIATED: 1975 TO 1986

[In percent, except as indicated. Data represent private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Wage data cover units with 1,000 workers or more. Compensation data relate to units of 5,000 or more. Data relate to contracts negotiated in each calendar year but exclude possible adjustments in wages under cost-of-living adjustment (COLA) clauses, except increases guaranteed by the contract. Includes all settlements, whether wages and benefits were changed or not. Minus sign (-) indicates decreases]

ADJUSTMENTS	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Compensation:												
First year	11.4	8.5	9.6	8.3	6.0	10.4	10.2	3.2	3.4	3.6	2.6	1.1
Over life of contract <sup>1</sup>	6.1	6.6	6.2	6.3	6.6	7.1	8.3	2.8	3.0	2.8	2.7	1.6
Wage rates:												
All industries:												
First year	10.2	6.4	7.6	7.6	7.4	9.5	9.6	3.6	2.6	2.4	2.9	1.2
Contracts with COLA	12.2	8.4	8.0	6.9	6.2	8.0	8.0	2.2	1.9	2.9	1.6	1.9
Contracts without COLA	9.1	6.3	7.6	8.0	9.1	11.7	10.6	7.0	3.3	2.1	2.7	.9
Over life of contract <sup>1</sup>	7.8	6.4	5.8	6.4	6.0	7.1	7.9	3.6	2.8	2.4	2.7	1.6
Contracts with COLA	7.1	5.7	5.0	5.3	4.8	6.0	5.5	2.1	2.0	1.8	2.5	1.7
Contracts without COLA	8.3	7.3	6.9	7.1	8.0	10.3	6.6	6.6	3.7	2.7	2.6	1.6
Manufacturing:												
First year	9.8	6.9	8.4	8.3	6.9	7.4	7.2	2.6	.4	2.3	.6	-1.2
Over life of contract <sup>1</sup>	6.0	6.0	5.5	6.6	5.4	5.4	6.1	2.6	2.1	1.5	1.6	.2
Nonmanufacturing:												
First year	10.4	7.7	7.4	7.4	6.0	10.9	11.2	4.8	3.8	2.5	3.3	2.0
Over life of contract <sup>1</sup>	7.6	6.8	6.0	6.4	6.8	8.3	8.8	4.7	3.2	2.9	3.3	2.9
Number of workers affected (mil.)	2.9	4.1	4.0	2.6	3.5	3.8	2.4	3.3	3.1	2.3	2.2	2.6
Manufacturing (mil.)	.8	2.1	1.8	.9	1.9	1.6	.8	1.7	1.1	.9	.9	.6
Nonmanufacturing (mil.)	2.1	2.0	2.4	2.0	1.6	2.2	1.6	1.6	2.0	1.4	1.3	1.9

<sup>1</sup> Average annual rate of change.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

No. 661. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—SELECTED CHARACTERISTICS BY CONTRACT DURATION: 1966

Number of workers in thousands. For settlements reached in 1966 affecting 1,000 or more workers. For private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries]

CHARACTERISTIC	All contracts	CONTRACT DURATION (months)						
		Less than 12	12	Between 12 and 24	24	Between 24 and 36	36	More than 36
Number of settlements.....	568	14	35	34	61	105	198	123
Number of workers.....	2,498	34	111	77	224	636	893	711
Average duration of settlement.....	32.0	10.1	12.0	18.4	24.0	31.4	36.0	37.1
Average wage adjustment in—								
First year of contract.....	1.2	2.1	.6	1.7	-.3	1.4	2.0	.7
Second year of contract <sup>1</sup> .....	2.1	(x)	(x)	.4	3.1	2.3	2.3	1.7
Third year of contract <sup>2</sup> .....	1.9	(x)	(x)	(x)	(x)	1.6	2.5	1.7
Average life of contract <sup>3</sup> .....	1.8	3.2	.6	1.4	1.3	2.0	2.3	1.4

Not applicable. <sup>1</sup> For settlements with a duration of greater than 12 months. <sup>2</sup> For settlements with a duration of less than 24 months. <sup>3</sup> Average annual percent adjustment.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, March 1967.

No. 662. WORK STOPPAGES: 1960 TO 1966

Includes work stoppages involving fewer than 1,000 workers and lasting less than 1 day. Information is based on reports of labor disputes appearing in daily newspapers, trade journals, and other public sources. The parties to the disputes are contacted by telephone, when necessary, to clarify details of the stoppages]

YEAR	Number of work stoppages <sup>1</sup>	Workers involved <sup>2</sup> (1,000)	DAYS IDLE		YEAR	Number of work stoppages <sup>1</sup>	Workers involved <sup>2</sup> (1,000)	DAYS IDLE	
			Number <sup>3</sup> (1,000)	Percent estimated working time <sup>4</sup>				Number <sup>3</sup> (1,000)	Percent estimated working time <sup>4</sup>
1960.....	222	996	13,260	.09	1977.....	296	1,212	21,258	.10
1961.....	268	996	15,140	.10	1978.....	219	1,008	23,774	.11
1962.....	412	1,576	29,397	.16	1979.....	235	1,021	20,409	.09
1963.....	361	2,468	52,761	.29	1980.....	187	795	20,844	.09
1964.....	298	2,516	35,538	.19	1981.....	145	729	16,906	.07
1965.....	250	975	16,764	.09	1982.....	96	656	9,061	.04
1966.....	317	1,400	16,260	.08	1983.....	81	909	17,461	.08
	424	1,796	31,809	.16	1984.....	62	376	8,499	.04
	235	965	17,563	.09	1985.....	54	324	7,079	.03
	231	1,519	23,982	.12	1986.....	69	533	11,661	.05

Beginning in year indicated. <sup>2</sup> Workers counted more than once if involved in more than 1 stoppage during the year. <sup>3</sup> Resulting from all stoppages in effect in a year, including those that began in an earlier year. <sup>4</sup> Agricultural and government employees are included in the total working time; private household, forestry and fishery employees are excluded.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

No. 663. WORKERS KILLED OR DISABLED ON THE JOB, 1960 TO 1986, AND BY INDUSTRY GROUP, 1986

1986 data are preliminary estimates. Estimates based on data from U.S. National Center for Health Statistics, State departments of health, and State industrial commissions. Numbers of workers based on data from U.S. Bureau of Labor Statistics]

YEAR	DEATHS						Dis- abling inju- ries <sup>2</sup> (1,000)	YEAR AND INDUSTRY GROUP	DEATHS		Dis- abling inju- ries <sup>2</sup> (1,000)
	Total		Manufacturing		Nonmanufac- turing				Num- ber (1,000)	Rate <sup>1</sup>	
	Num- ber (1,000)	Rate <sup>1</sup>	Num- ber (1,000)	Rate <sup>1</sup>	Num- ber (1,000)	Rate <sup>1</sup>					
1960.....	13.8	21	1.8	10	12.1	25	1,950	1966, total.....	10.7	10	1,800
1961.....	14.1	20	1.8	10	12.3	24	2,100	Agriculture <sup>3</sup> .....	1.7	52	170
1962.....	13.8	18	1.7	9	12.1	21	2,200	Mining and quarrying.....	.4	50	40
1963.....	13.0	15	1.6	9	11.4	17	2,200	Construction.....	2.1	33	220
1964.....	13.2	13	1.7	8	11.5	15	2,200	Manufacturing.....	1.1	6	310
1965.....	11.7	12	1.2	6	10.5	13	1,900	Transportation and utilities.....	1.5	27	160
1966.....	11.5	11	1.1	6	10.4	12	1,900	Trade <sup>4</sup> .....	1.1	4	310
1967.....	11.4	11	1.3	7	10.1	12	2,000	Service <sup>5</sup> .....	1.5	5	350
1968.....	10.7	10	1.1	6	9.6	11	1,800	Government.....	1.3	8	240

Per 100,000 workers. <sup>1</sup> Disabling injury defined as one which results in death, some degree of physical impairment, or renders the person unable to perform regular activities for a full day beyond the day of the injury. <sup>2</sup> Includes forestry and fishing. <sup>3</sup> Includes wholesale and retail trade. <sup>4</sup> Includes finance, insurance and real estate.

Source: National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)



### NO. 684. OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, SELECTED INDUSTRIES: 1975 TO 1985

[Rates per 100 full-time employees. For nonfarm employment data, see table 642. Rates refer to any occupational injury or illness resulting in (1) fatalities, (2) lost workday cases, or (3) nonfatal cases without lost workdays. Incidence rates were calculated as: Number of injuries and illnesses or lost workdays divided by total hours worked by all employees during year multiplied by 200,000 as base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks a year). Based on the 1972 Standard Industrial Classification (SIC) Manual]

SIC CODE	INDUSTRY	TOTAL CASES <sup>1</sup>			LOST WORKDAY CASES			NONFATAL CASES, NO LOST WORKDAYS			LOST WORKDAYS	
		1975	1980	1985	1975	1980	1985	1975	1980	1985	1980	1985
(x)	Private sector <sup>2</sup>	8.1	8.7	7.9	3.3	4.0	3.8	5.8	4.7	4.3	66.2	64.9
A	Agriculture, forestry, fishing <sup>3</sup>	10.6	11.9	11.4	4.4	5.8	5.7	6.0	6.1	5.8	82.7	91.3
B	Mining	11.0	11.2	8.4	5.8	6.5	4.8	5.4	4.8	3.8	163.8	106.3
10	Metal mining	8.5	8.9	6.1	4.4	5.5	3.3	2.1	3.4	2.7	129.3	113.5
11	Anthracite mining	28.4	13.8	8.7	10.2	6.5	7.0	16.1	5.2	1.5	278.7	445.8
12	Bituminous coal and lignite	10.8	10.1	6.6	6.4	8.3	5.1	4.3	1.8	1.5	252.3	199.2
13	Oil and gas extraction	14.0	13.4	10.1	6.2	6.7	5.3	7.7	8.8	4.8	152.7	143.8
14	Nonmetallic minerals, exc. fuels	6.0	5.4	3.9	3.5	3.8	2.8	2.4	1.8	1.3	88.8	87.3
C	Construction	15.9	15.7	15.2	6.5	6.5	6.8	10.4	8.1	6.4	117.9	128.8
15	General building contractors	15.5	16.5	15.2	5.3	6.5	6.8	10.2	8.0	6.4	113.0	120.4
16	Heavy construction contractors	17.1	16.3	14.5	5.9	6.3	6.3	11.2	8.8	8.1	117.8	127.3
17	Special trade contractors	15.5	15.5	15.4	5.4	6.7	7.0	10.1	8.8	6.4	118.9	133.3
D	Manufacturing	13.0	12.2	10.4	4.5	5.4	4.8	8.5	6.8	5.8	86.7	88.3
(x)	Durable goods	14.2	12.9	10.9	4.8	5.6	4.7	9.4	7.3	6.2	90.9	82.0
24	Lumber and wood products	21.0	16.6	18.5	8.5	9.5	9.3	12.5	8.1	9.2	171.8	171.4
25	Furniture and fixtures	15.9	16.0	15.0	5.1	6.6	6.3	10.8	9.4	8.7	97.8	100.4
32	Stone, clay, and glass products	18.0	15.0	13.9	5.9	7.1	6.7	10.1	7.8	7.2	128.1	127.8
33	Primary metal industries	17.0	15.2	12.6	8.1	7.1	5.7	10.9	8.1	6.8	128.3	113.8
34	Fabricated metal products	19.1	18.5	16.3	8.6	8.0	6.8	12.5	10.6	9.4	118.4	110.1
35	Machinery, exc. electric	14.8	13.7	10.8	4.6	5.5	4.2	10.3	8.2	6.6	81.3	68.3
36	Electric and electronic equipment	8.5	8.0	6.4	2.5	3.3	2.7	6.0	4.7	3.7	51.6	45.7
37	Transportation equipment	12.4	10.6	9.0	4.5	4.9	3.9	7.9	5.7	5.0	82.4	71.8
38	Instruments and related products	8.9	8.8	5.2	2.1	2.7	2.2	4.8	4.1	3.0	41.8	37.9
39	Miscellaneous	11.3	10.9	9.7	3.8	4.3	4.2	7.7	6.5	5.8	87.9	73.2
(x)	Nondurable goods	11.4	11.1	9.8	4.1	5.0	4.4	7.3	6.1	5.2	80.4	77.6
20	Food and kindred products	18.3	18.7	16.7	7.3	8.0	8.1	11.0	9.7	8.6	136.8	138.0
21	Tobacco manufactures	10.3	8.1	7.3	3.9	3.8	3.0	6.4	4.3	4.3	45.8	51.7
22	Textile mill products	10.2	9.1	7.5	2.5	3.3	3.0	7.7	5.6	4.5	62.8	57.4
23	Apparel and other textile products	8.0	8.4	6.7	1.6	2.2	2.6	4.3	4.2	4.1	34.9	44.1
26	Paper and allied products	13.3	12.7	10.2	4.1	5.8	4.7	9.1	6.9	5.5	112.3	94.6
27	Printing and publishing	6.7	6.9	6.3	2.4	3.1	2.9	4.3	3.8	3.5	46.5	48.2
28	Chemicals and allied products	8.4	6.8	5.1	2.9	3.1	2.3	5.5	3.7	2.8	50.3	38.6
29	Petroleum and coal products	9.0	7.2	5.1	3.1	3.5	2.4	5.8	3.7	2.7	59.1	48.9
30	Rubber and misc. plastics products	15.7	16.5	13.4	6.7	7.4	6.3	9.0	8.1	7.1	118.6	107.4
31	Leather and leather products	11.2	11.7	10.3	3.8	5.0	4.6	7.4	6.7	5.7	82.7	88.3
E	Transportation, public utilities	8.4	8.4	8.6	4.7	5.5	5.0	4.7	3.8	3.8	104.5	107.1
40	Railroad transportation	8.6	11.1	8.4	4.9	7.2	5.8	3.8	3.6	2.6	107.8	92.0
41	Local passenger transit <sup>4</sup>	8.4	9.5	9.4	4.2	5.2	6.4	4.1	4.3	3.9	92.9	120.7
42	Trucking and warehousing	14.8	14.9	13.9	7.5	8.0	8.5	7.2	5.9	5.4	187.9	210.1
44	Water transportation	15.8	14.2	13.0	8.2	8.4	7.2	7.8	5.7	6.8	300.3	248.1
45	Air transportation	14.9	13.3	13.1	7.4	8.2	7.4	7.5	5.1	5.7	105.0	116.2
46	Pipelines, except natural gas	4.7	5.2	3.7	1.8	1.7	1.8	3.0	3.5	2.1	31.0	45.8
47	Transportation services	6.2	4.7	3.9	2.9	2.5	2.2	3.3	2.2	1.7	40.0	42.8
48	Communication	3.0	2.8	2.9	1.5	1.6	1.6	1.5	1.2	1.3	28.5	24.3
49	Electric, gas, sanitary services	9.3	8.8	6.8	3.7	4.3	3.4	5.6	4.2	3.5	70.8	62.4
F, G	Wholesale and retail trade	7.3	7.4	7.4	3.8	3.3	3.2	4.7	4.2	4.2	48.7	58.7
F	Wholesale trade	8.2	8.2	7.2	3.2	3.9	3.5	5.0	4.3	3.8	66.2	58.8
G	Retail trade	7.0	7.1	7.5	2.4	2.9	3.1	4.6	4.2	4.4	44.5	47.0
H	Finance, insurance, real estate <sup>5</sup>	2.2	2.9	2.6	.8	.8	.9	1.4	1.1	1.1	12.2	16.4
80	Banking	1.8	1.5	1.6	.8	.8	.7	1.2	.9	1.0	8.1	10.7
82	Security, commodity brokers	1.0	.8	.8	.4	.3	.3	.8	.5	.4	3.1	4.0
83	Insurance carriers	1.7	1.7	1.8	.5	.7	.8	1.1	1.0	1.0	10.8	18.0
84	Insurance agents, brokers, and service	(NA)	.8	.7	(NA)	.3	.3	(NA)	.5	.4	4.2	5.2
85	Real estate	5.0	4.4	4.2	1.9	2.2	2.1	3.1	2.2	2.1	32.8	34.6
I	Services <sup>6</sup>	6.5	6.2	5.4	2.0	2.3	2.6	3.8	2.9	2.8	26.8	46.4
70	Hotels and other lodgings	8.2	8.9	10.0	2.8	3.7	4.3	5.8	5.2	5.8	50.8	64.1
72	Personal services	3.3	2.9	2.9	1.3	1.3	1.5	2.0	1.6	1.5	22.6	28.4
73	Business services	5.0	4.4	4.7	2.0	2.1	2.2	3.0	2.3	2.5	31.1	48.6
75	Auto repair, services, and garages	9.0	7.5	6.5	3.4	3.3	3.2	5.6	4.2	3.9	47.8	51.5
76	Miscellaneous repair services	10.2	8.6	7.9	3.9	4.2	4.0	6.3	4.8	3.9	63.8	68.4
78	Motion pictures	3.4	4.7	4.1	1.0	1.6	1.6	2.4	3.1	2.8	31.8	31.7
79	Amusement, recreation services	6.6	9.2	8.2	2.8	3.8	3.5	5.7	5.4	4.8	53.8	61.2
80	Health services	6.8	6.4	7.1	2.5	3.1	3.6	4.3	3.3	3.5	47.4	63.2
81	Legal services	(NA)	.4	.6	(NA)	.2	.3	(NA)	.2	.3	(NA)	7.3
82	Educational services	3.5	3.3	3.4	1.4	1.4	1.4	2.0	1.9	2.0	18.6	22.8
83	Social services	6.2	5.1	6.0	2.0	2.2	2.8	3.2	2.8	3.3	32.3	45.0
84	Museums, botanical, zoological gardens	7.8	7.5	6.0	2.6	3.3	2.7	6.2	4.1	3.3	35.4	38.3
88	Membership organizations	3.0	3.4	(NA)	1.1	1.0	(NA)	1.9	2.4	(NA)	24.8	(NA)
89	Miscellaneous services	2.3	1.6	1.7	.7	.7	.7	1.6	.9	1.0	10.8	8.3

NA Not available. X Not applicable. <sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> "Cases" represents occurrences. Includes fatalities for all employees. <sup>3</sup> Excludes farms with fewer than 11 employees. <sup>4</sup> Includes interurban. <sup>5</sup> Includes categories not shown separately.

Source: U.S. Bureau of Labor Statistics, Occupational Injuries and Illnesses in the United States by Industry, annual.

## No. 665. U.S. MEMBERSHIP IN AFL-CIO AFFILIATED UNIONS BY SELECTED UNION: 1975 TO 1987

(In thousands. Figures represent the labor organizations as constituted in 1987 and reflect past merger activity. Membership figures based on average per capita paid membership to the AFL-CIO for the 2-year period ending in June of the year shown and reflect only actively-employed members)

LABOR ORGANIZATION	1975	1976	1986	1987	LABOR ORGANIZATION	1975	1976	1986	1987
<b>Total <sup>1</sup></b>	<b>14,976</b>	<b>13,821</b>	<b>11,268</b>	<b>12,682</b>	Graphic Communications <sup>2</sup>	186	171	141	136
Automobile, Aerospace and Agriculture (UAW)	60	60	874	896	Hotel Employees and Restaurant Employees	421	373	327	283
Bakery, Confectionery and Tobacco <sup>3</sup>	149	131	116	109	Ironworkers	160	146	140	122
Boiler Makers, Iron Shipbuilders <sup>2</sup>	123	129	110	90	Laborers	475	475	363	371
Bricklayers	143	108	85	84	Letter Carriers (NALC)	151	151	188	200
Carpenters <sup>3</sup>	712	629	909	800	Machinists and Aerospace (IAM)	780	684	620	509
Clothing and Textile Workers (ACTWU) <sup>2</sup>	377	308	228	196	Musicians	215	206	87	60
Communication Workers (CWA)	475	485	524	515	Oil, Chemical, Atomic Workers (OCAW)	145	146	108	88
Electrical Workers (IBEW)	656	625	791	765	Painters	180	180	133	128
Electronic, Electrical and Technical <sup>3</sup>	255	243	198	185	Paperworkers Int'l	275	282	232	221
Operating Engineers	300	313	330	330	Plumbing and Pipefitting	228	228	228	230
Firefighters	123	180	142	142	Postal Workers	249	245	232	230
Food and Commercial Workers (UFCW) <sup>2</sup>	1,180	1,129	906	1,000	Retail, Wholesale Department Store <sup>2</sup>	130	122	106	140
Garment Workers (ILGWU)	383	314	210	173	Rubber, Cork, Linoleum, Plastic	173	158	106	97
Government, American Federation (AFGE)	255	238	188	157	Service Employees (SEIU) <sup>2</sup>	480	537	886	782
					State, County, Municipal (AFSCME)	647	688	887	1,032
					Steelworkers	1,082	984	572	484
					Teachers (AFT)	388	423	470	488
					Transport Workers	95	85	85	86

X Not applicable. <sup>1</sup> Includes other AFL-CIO affiliated unions, not shown separately. <sup>2</sup> Figures reflect mergers with one or more unions since 1975. For details see source.

Source: American Federation of Labor and Congress of Industrial Organizations, Washington, DC, *Report of the AFL-CIO Executive Council*, annual.

## No. 666. U.S. UNION MEMBERSHIP, BY STATE: 1975 TO 1982

(Data represent annual average, dues-paying full-time equivalent membership derived from financial records. Excludes unemployed members. In general, annual per capita revenues received by the parent organization were divided by the per capita rate to yield membership. For unions with multiple dues structures or other structures, other methods were used. See text, section 13 and source for details. A right-to-work State has laws which prohibit collective bargaining contracts from including clauses requiring union membership as a condition of employment)

STATE	TOTAL (1,000)			PERCENT OF EMPLOYED <sup>1</sup>			STATE	TOTAL (1,000)			PERCENT OF EMPLOYED <sup>1</sup>		
	1975	1986	1982	1975	1986	1982		1975	1986	1982	1975	1986	1982
<b>U.S. <sup>2</sup></b>	<b>22,807</b>	<b>20,966</b>	<b>18,571</b>	<b>28.6</b>	<b>25.2</b>	<b>21.9</b>	MS <sup>3</sup>	84	78	74	12.6	9.5	9.3
AL <sup>2</sup>	275	245	230	23.9	18.1	18.2	MO	575	588	510	33.4	28.8	26.8
AK	67	56	50	41.2	33.1	30.4	MT	76	70	59	31.8	25.0	21.7
AZ <sup>2</sup>	152	162	132	20.9	14.9	12.8	NE <sup>2</sup>	107	104	98	19.3	16.6	16.3
AR <sup>2</sup>	114	107	95	18.4	14.5	13.2	NV <sup>2</sup>	89	103	100	37.4	25.6	22.1
CA	2,884	2,883	2,495	34.5	27.3	25.4	NH	50	48	48	18.9	12.7	12.3
CO	224	236	236	23.6	18.9	18.0	NJ	758	684	613	28.4	22.3	19.8
CT	336	287	288	27.7	18.7	18.9	NM	62	59	61	17.0	12.6	12.8
DE	58	58	53	25.8	22.3	20.3	NY	2,837	2,628	2,288	43.2	38.5	35.8
DC	191	216	199	33.0	35.1	33.4	NC <sup>2</sup>	220	210	208	11.0	8.8	8.9
FL <sup>2</sup>	427	348	356	15.6	9.7	9.6	ND <sup>2</sup>	39	39	36	18.4	15.7	14.2
GA <sup>2</sup>	248	282	279	14.4	13.1	12.7	OH	1,448	1,312	1,132	38.1	30.0	27.4
HI	117	129	126	34.3	31.8	31.5	OK	173	172	168	19.5	18.1	12.9
ID	52	56	50	19.4	17.1	16.1	OR	282	289	264	33.9	27.6	27.5
IL	1,563	1,431	1,261	35.1	29.5	27.5	PA	1,514	1,370	1,230	34.3	28.8	27.0
IN	810	627	505	31.8	29.5	25.1	RI	80	78	76	26.3	19.1	19.4
IA <sup>2</sup>	232	238	211	23.4	21.4	20.5	SC <sup>2</sup>	86	73	68	8.8	6.2	5.8
KS <sup>2</sup>	128	121	110	16.0	12.8	12.0	SD <sup>2</sup>	28	25	24	13.3	10.7	10.3
KY	257	251	237	24.8	20.7	20.4	TN <sup>2</sup>	324	305	292	21.7	17.5	17.3
LA <sup>2</sup>	237	235	223	18.8	14.9	13.8	TX <sup>2</sup>	705	688	782	16.0	12.9	12.5
ME	74	87	78	20.7	20.7	18.5	UT <sup>2</sup>	89	90	94	22.4	18.0	18.8
MD	201	314	311	27.5	18.3	18.6	VT	26	25	24	16.3	12.3	11.8
MA	685	515	517	24.3	18.4	18.7	VA <sup>2</sup>	253	229	232	14.4	10.8	10.8
MI	1,319	1,212	1,078	42.2	35.2	33.7	WA	540	543	517	44.7	33.8	32.8
MN	426	431	419	28.0	24.3	24.5	WV	208	184	178	37.1	28.5	28.8
							WI	527	482	457	31.5	24.5	24.5
							WY <sup>2</sup>	33	37	34	22.6	17.5	15.8

<sup>1</sup> Nonagriculture employed. <sup>2</sup> Includes Canal Zone, Guam, Puerto Rico and Virgin Islands not shown separately. <sup>3</sup> Right-to-work State. <sup>4</sup> Right-to-work State for 1975 and 1980. <sup>5</sup> Right-to-work State beginning 1980.

Source: Industrial Relations Data and Information Services, West Orange, NJ, *U.S. Union Sourcebook* (Copyright).

## NO. 967. UNION MEMBERS, BY SELECTED CHARACTERISTICS: 1963 AND 1966

Annual averages of monthly data. Covers employed wage and salary workers 16 years old and over. Excludes self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Based on Current Population Survey, see text, section 1 and Appendix III.

Characteristic	EMPLOYED WAGE AND SALARY WORKERS				MEDIAN MONTHLY WEEKLY EARNINGS <sup>2</sup> (\$00.)			
	Total (1,000)		Union members <sup>1</sup> (1,000)		Percent represented by union		Total	
	1963	1966	1963	1966	1963	1966	1963	1966
<b>Total</b>	<b>98,290</b>	<b>94,903</b>	<b>17,717</b>	<b>14,975</b>	<b>18.3</b>	<b>15.9</b>	<b>313</b>	<b>308</b>
16-24 years	19,205	18,803	1,749	1,385	9.1	7.0	210	231
25-34 years	25,978	25,357	5,097	4,874	19.6	16.9	321	300
35-44 years	18,722	22,306	4,848	4,906	24.8	22.3	389	418
45-54 years	13,150	14,287	3,654	3,531	27.0	24.7	306	415
55-64 years	9,201	9,339	2,474	2,245	26.9	24.0	348	398
65 years and over	1,834	1,850	196	174	10.1	8.9	268	268
Men	47,856	51,042	11,809	11,175	24.7	21.5	378	419
Women	40,433	44,061	5,908	5,802	14.6	12.9	265	280
White	77,946	83,746	14,844	14,081	18.3	16.8	318	370
Men	42,166	45,334	10,134	9,506	24.0	21.0	357	433
Women	34,877	38,410	4,710	4,575	13.5	11.9	284	294
Black	6,978	10,360	2,446	2,436	34.9	23.5	381	281
Men	4,477	5,124	1,420	1,385	31.7	27.2	280	316
Women	4,502	5,237	1,026	1,051	22.7	19.8	231	263
Hispanic <sup>3</sup>	(NA)	4,888	(NA)	1,188	(NA)	17.8	(NA)	277
Men	(NA)	4,046	(NA)	829	(NA)	20.4	(NA)	230
Women	(NA)	2,842	(NA)	357	(NA)	13.9	(NA)	241
Full-time workers	70,878	78,727	16,271	15,898	22.9	19.9	313	358
Part-time workers	17,314	16,176	1,446	1,277	8.4	7.0	(X)	(X)
Managerial and professional specialty	19,657	22,492	3,354	3,328	17.1	14.8	437	505
Technical sales, and admin. support	26,024	31,046	3,577	3,340	12.1	10.8	291	320
Service occupations	12,875	13,809	1,971	1,920	15.3	14.1	305	225
Precision, production, craft, and repair	10,542	11,455	3,486	3,268	32.9	28.5	377	408
Operators, fabricators, and laborers	15,416	16,654	5,452	5,012	35.4	30.3	275	301
Farming, forestry and fishing	1,775	1,747	86	108	5.6	6.2	196	217
Agricultural wage and salary workers	1,446	1,437	49	36	3.4	2.5	196	216
Private nonfarm wage and salary workers	71,225	79,081	11,833	11,051	16.8	14.0	307	347
Mining	869	822	180	144	20.7	17.5	481	510
Construction	4,109	4,959	1,131	1,032	27.5	22.0	349	380
Manufacturing	19,086	20,296	6,303	4,868	33.0	24.0	349	380
Transportation and public utilities	5,142	5,715	2,182	2,023	42.4	35.4	417	477
Wholesale and retail trade, total	18,081	19,839	1,586	1,425	8.7	7.2	260	260
Finance, insurance, and real estate	5,559	6,424	160	166	2.8	2.6	352	352
Services	18,400	21,006	1,410	1,328	7.7	6.3	310	310
Government	15,616	16,374	6,736	5,868	36.7	36.0	361	409

<sup>1</sup> Data not shown where base is less than 50,000. NA Not available. X Not applicable. <sup>2</sup> Members of a labor union or an employee association similar to a labor union. <sup>3</sup> Members of a labor union or an employee association similar to a labor union. <sup>4</sup> For full-time employed wage and salary workers; 1963 revised since originally published. <sup>5</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.



## Section 14

# Income, Expenditures and Wealth

This section presents data on gross national product (GNP), national and personal income, and investment, money income, poverty, and national and personal wealth. The data on income and expenditure measure two aspects of the U.S. economy. One aspect relates to the national income and product accounts (NIPA), a summation reflecting the entire complex of the national income and output and the interaction of its major components; the other relates to the distribution of money income to families and individuals, or consumer income.

The primary source for data on GNP, national and personal income, and gross saving and investment is the *Survey of Current Business*, published monthly, with supplements, by the Department of Commerce, Bureau of Economic Analysis (BEA). A comprehensive revision to the NIPA was completed in December 1985. A discussion of the revision appears in the December 1985 *Survey of Current Business*. Detailed historical data appear in *The National Income and Product Accounts of the United States, 1929-82, Statistical Tables* and the July 1986 issue of the *Survey of Current Business*; detailed data for the most recent years are normally published each July in the *Survey of Current Business*. Data on income distribution are the decennial censuses of population and the Current Population Survey (CPS), both products of the Bureau of the Census (see text, section 1). Annual data on income of families, individuals, and households, by income class, are presented in *Current Population Reports—Consumer Income*, series P-60.

Data on individuals' saving and assets are published by the Board of Governors of the Federal Reserve System in the quarterly *Flow of Funds Accounts*; and detailed information on personal income is published periodically by the Internal Revenue Service (IRS) in *SOI Bulletin*.

**National income and product.**—*Gross national product (GNP)* is the total national output of goods and services valued at market prices. GNP can be viewed in terms of expenditure categories which comprise purchases of goods and services by consumers and government, gross private domestic investment, and net exports of goods and services. The goods and services included are those bought for final use (excluding illegal transactions) in the market economy. A number of items, however, represent imputed values, the most important of which is rental value of occupied housing. GNP, in this broad context, measures the output attributable to the factors of production—labor and property—supplied by U.S. residents. GNP differs from "national income" in that GNP includes allowances for depreciation and for indirect business taxes (sales and excise taxes); see table 672.

**National income** is the aggregate of labor and property earnings which arises in the current production of goods and services. It is the sum of employee compensation, proprietors' income, rental income, corporate profits, and net interest. It measures the total factor costs of the goods and services produced by the economy. Income is measured before deduction of taxes on income.

**Capital consumption adjustment** for corporations, nonfarm sole proprietorships and partnerships is the difference between capital consumption claimed on income tax returns and capital consumption allowances that are measured at straightline depreciation, consistent service lives, and replacement cost. The tax return data are valued at historical costs and reflect changes over time in service and depreciation patterns as permitted by tax regulations. **Inventory valuation adjustment** is the difference between the book value of inventories used up in production and the cost of producing them.

**Personal income** is the current income received by persons from all sources minus their personal contributions for social insurance. Classified as "persons" are individuals (including owners of unincorporated firms), nonprofit institutions serving individuals, private trust funds, and private non-venture funds. Personal income includes transfers (payments not resulting from current production) from government and business such as Social Security benefits, public assistance, etc., and includes transfers among persons. Also included are certain nonmonetary types of income—estimated net rental value to owner-occupants of their homes and the value of services

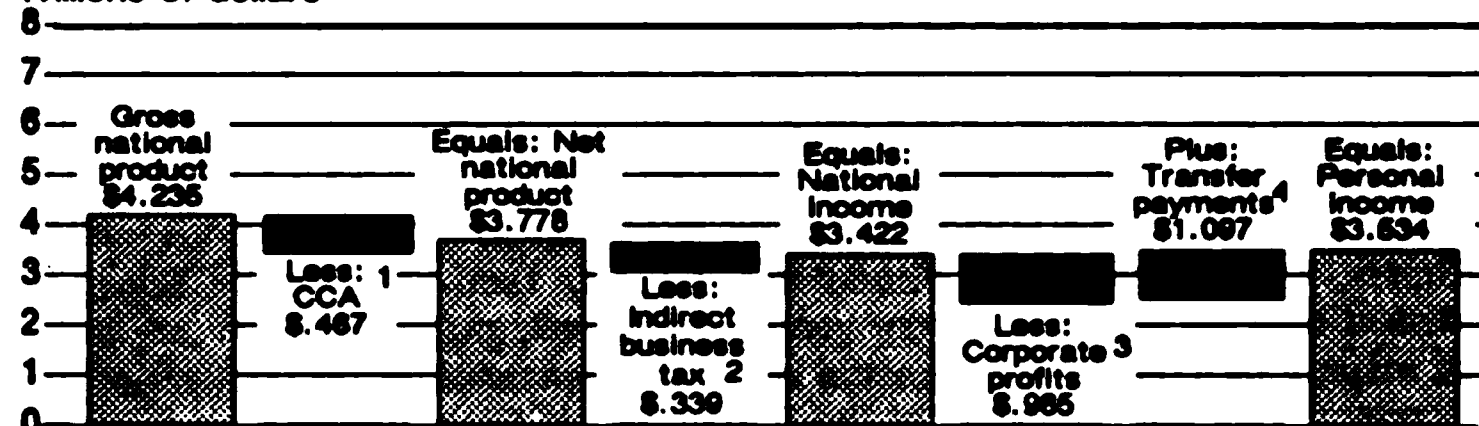
furnished without payment by financial intermediaries and food and fuel produced and consumed on farms.

*Disposable personal income* is personal income less personal tax and nontax payments. It is the income available to persons for spending and saving. Personal tax and nontax payments are tax payments (net of refunds) by persons (except personal contributions for social insurance) that are not chargeable to business expense, and certain personal payments to general government that are treated like taxes. Personal taxes include income, estate and gift, and personal property taxes and motor vehicle licenses. Nontax payments include passport fees, fines and penalties, donations, and tuitions and fees paid to schools and hospitals operated mainly by government.

Figure 14.1

Relation of GNP, National Income, and Personal Income: 1986

Trillions of dollars



<sup>1</sup> Capital consumption allowance. <sup>2</sup> Also less: Current surplus of government enterprises plus subsidies.

<sup>3</sup> Also less net interest and contributions for social insurance.

<sup>4</sup> Also plus personal interest and personal dividend income.

Source: Chart prepared by U. S. Bureau of the Census. For data see table 672.

**Consumer Expenditure Survey.**—The Consumer Expenditure Survey program was begun in late 1979. The principal objective of the survey is to collect current consumer expenditure data which provide a continuous flow of data on the buying habits of American consumers. The data are necessary for future revisions of the Consumer Price Index.

The survey conducted by the Bureau of the Census for the Bureau of Labor Statistics, consists of two components: (1) An interview panel survey in which the expenditures of consumer units are obtained in five interviews conducted every 3 months; and (2) a diary or recordkeeping survey completed by participating households for two consecutive 1-week periods.

Each component of the survey queries an independent sample of consumer units representative of the U.S. urban population. Over 52 weeks of the year, 5,000 consumer units are sampled for the diary survey. Each consumer unit keeps a diary for two 1-week periods yielding approximately 10,000 diaries a year. The interview sample is selected on a rotating panel basis, targeted at 5,000 consumer units per quarter. Data are collected in 85 urban areas of the country that are representative of the U.S. urban population. The survey includes students in student housing.

The Diary survey is designed to obtain expenditures on small, frequently purchased items which are normally difficult for respondents to recall. Detailed records of expenses are kept for food and beverages, both at home and in eating places, tobacco, housekeeping supplies, nonprescription drugs, and personal care products and services.

The Interview survey is designed to obtain data on the types of expenditures which respondents can be expected to recall for a period of 3 months or longer. In general, these include relatively large expenditures, such as those for property, automobiles, and major appliances, or expenditures which occur on a fairly regular basis, such as rent, utilities, or insurance premiums. Including "global estimates" for food, it is estimated that about 95 percent of expenditures are covered in the interview. Excluded are nonprescription drugs, household supplies, and personal care items. The interview survey also provides data on expenditures incurred while on trips. Both surveys exclude all business related expenditures for which the family is reimbursed.

**Distribution of money income to families and individuals.**—Money income statistics are based on data collected in various field surveys of income conducted since 1936. Since 1947, the Bureau of the Census has collected the data on an annual basis and published them in *Current Population Reports*, series P-60. In each of the surveys, enumerators interview representative sam-

ples of the population with respect to income received during the previous year. Money income as defined by the Bureau of the Census differs from the BEA concept of "personal income."

Data on consumer income collected in the CPS by the Bureau of the Census cover money income received (exclusive of certain money receipts such as capital gains) before payments for personal income taxes, Social Security, union dues, Medicare deductions, etc. Therefore, money income does not reflect the fact that some families receive part of their income in the form of non-cash benefits (see section 12) such as food stamps, health benefits, and subsidized housing; that some farm families receive noncash benefits in the form of rent-free housing and goods produced and consumed on the farm; or that noncash benefits are also received by some nonfarm residents which often take the form of the use of business transportation and facilities, full or partial payments by business for retirement programs, medical and educational expenses, etc. These elements should be considered when comparing income levels. For data on noncash benefits, see section 12. None of the aggregate income concepts (GNP, national income, or personal income) is exactly comparable with money income, although personal income is the closest.

Several changes were made in the collection and presentation of data from the March 1980 CPS. The changes include (1) the use of a more detailed income questionnaire for all sample households, (2) the use of an expanded sample, (3) the implementation of the "householder" concept rather than the traditional "head" concept, (4) the exclusion of a small number of "secondary families" from the count of all families, (5) the use of more detailed income intervals in the upper range of the income distribution, (6) the introduction of the new farm definition, and (7) the restriction of the population with income to persons 15 years old and over. For more information on the impact and comparability, see the source.

Beginning in the March 1981 Current Population Survey, 1960 census population controls were used; for income years 1971 through 1979, 1970 census population controls had been used. This change had little impact on income summary measures (means and medians) and proportional measures (percent distributions and poverty rates); however, use of the controls may have significant impact on the absolute numbers.

Income and poverty data for 1986 are the first estimates based entirely on households selected from the 1980 census-based sample design. Estimates by type of residence categories such as metropolitan, nonmetropolitan, farm, and nonfarm reflect metropolitan areas defined as of June 1984. In addition, the March 1987 CPS income supplement was revised to allow for the coding of larger earnings amounts on the questionnaire. A description of this change and its effect on estimates in this report can be found in *Current Population Reports*, series P-60, No. 157.

In October 1983, the Census Bureau began to collect data under the new Survey of Income and Program Participation (SIPP). The information supplied by this survey is expected to provide better measures of the status and changes in income distribution and poverty of households and persons in the United States. The data collected in SIPP will be used to study Federal and State aid programs (such as food stamps, welfare, Medicaid, and subsidized housing), to estimate program costs and coverage, and to assess the effects of proposed changes in program eligibility rules or benefit levels. The core questions are repeated at each interview and cover labor force activity, the types and amounts of income received, and participation status in various programs. The core also contains questions covering attendance in postsecondary schools and private health insurance coverage. Various supplements or topical modules covering areas such as educational attainment, assets and liabilities, and pension plan coverage are periodically included.

**Poverty.**—Families and unrelated individuals are classified as being above or below the poverty level using the poverty index originated at the Social Security Administration in 1964 and revised by Federal Interagency Committees in 1969 and 1980. The poverty index is based solely on money income and does not reflect the fact that many low-income persons receive noncash benefits such as food stamps, medicaid, and public housing. The index is based on the Department of Agriculture's 1961 economy food plan and reflects the different consumption requirements of families based on their size and composition. The poverty thresholds are updated every year to reflect changes in the Consumer Price Index. The following technical changes to the thresholds were made in 1981: (1) distinctions based on sex of householder have been eliminated; (2) separate thresholds for farm families have been dropped; and (3) the matrix has been expanded to families of nine or more persons from the old cutoff of seven or more persons. These changes have been incorporated in the calculation of poverty data beginning with 1981. The table on page 416 shows the average thresholds used for selected years between 1970 and 1986. See *Current Population Reports*, series P-60, Nos. 138, 149, 152, and 157 for more details.



**WEIGHTED AVERAGE POVERTY LEVELS BASED ON MONEY INCOME FOR FAMILIES AND UNRELATED INDIVIDUALS: 1970 TO 1986**

SIZE OF UNIT	1970 <sup>1</sup>	1975 <sup>1</sup>	1979 <sup>1</sup>	1980 <sup>1</sup>	1981	1982	1983	1984	1985	1986
1 person (unrelated individual) .....	\$1,954	\$2,724	\$3,669	\$4,180	\$4,620	\$4,901	\$5,061	\$5,279	\$5,469	\$5,572
Under 65 years .....	2,010	2,797	3,779	4,290	4,729	5,019	5,180	5,400	5,593	5,701
65 years and over .....	1,861	2,561	3,479	3,949	4,359	4,626	4,775	4,979	5,156	5,255
2 persons .....	2,525	3,506	4,725	5,383	5,917	6,281	6,463	6,762	6,998	7,138
Householder under 65 years .....	2,604	3,617	4,875	5,537	6,111	6,487	6,697	6,983	7,231	7,372
Householder 65 years and over .....	2,348	3,257	4,380	4,983	5,496	5,836	6,023	6,282	6,503	6,630
3 persons .....	3,089	4,293	5,784	6,555	7,250	7,693	7,939	8,277	8,573	8,737
4 persons .....	3,968	5,500	7,412	8,414	9,287	9,862	10,178	10,609	10,989	11,203
5 persons .....	4,680	6,499	8,775	9,986	11,007	11,684	12,048	12,588	13,007	13,259
6 persons .....	5,260	7,316	9,914	11,289	12,449	13,207	13,630	14,207	14,698	14,988
7 or more persons .....	5,468	7,922	12,280	13,955	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons .....	(NA)	(NA)	(NA)	(NA)	14,110	15,036	15,500	16,086	16,656	17,049
8 persons .....	(NA)	(NA)	(NA)	(NA)	15,555	16,719	17,170	17,861	18,512	18,791
9 or more persons .....	(NA)	(NA)	(NA)	(NA)	16,572	18,696	20,310	21,247	22,083	22,497

NA Not available. <sup>1</sup> Poverty levels for nonfarm families.

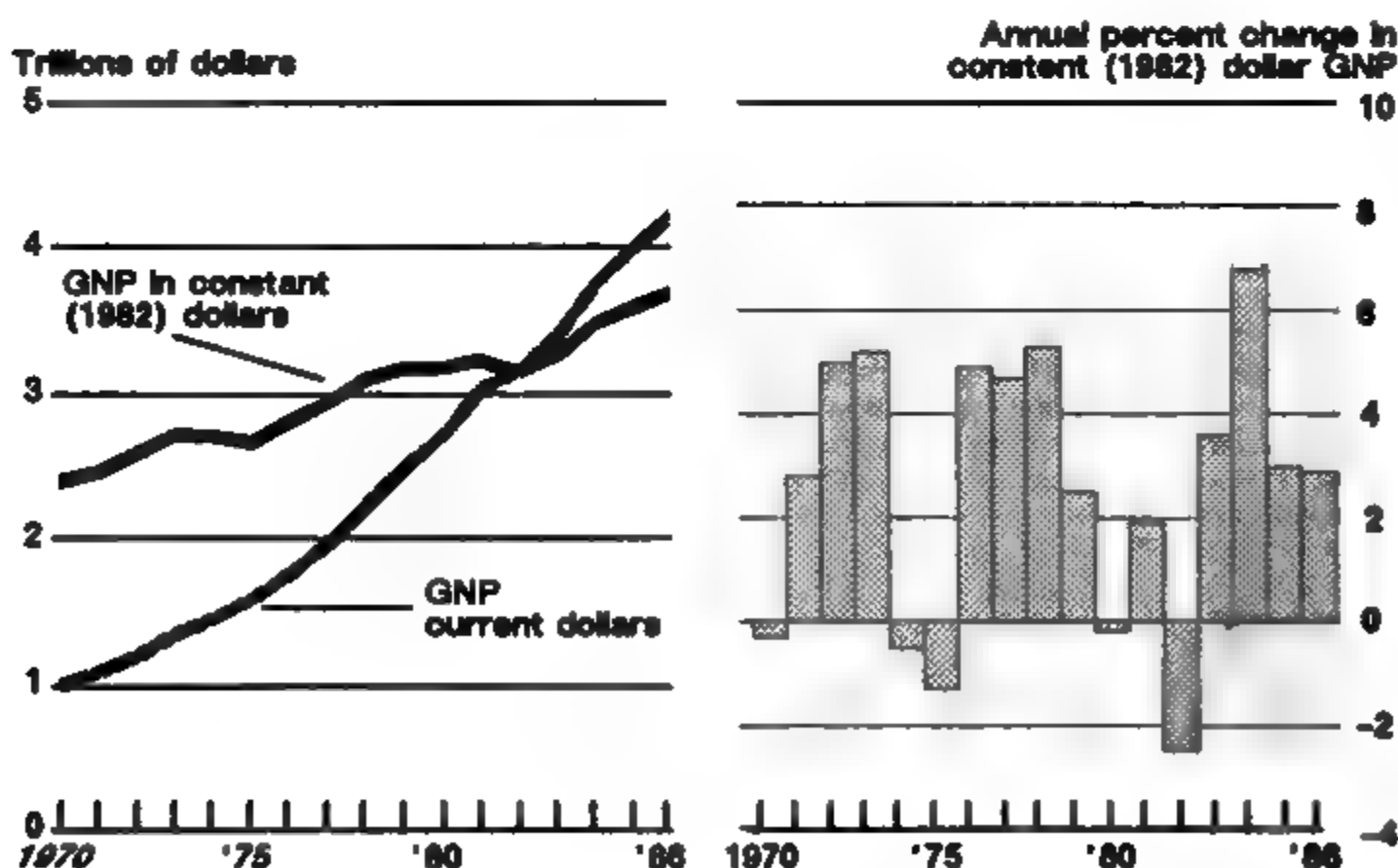
**Personal wealth.**—Personal wealth estimates, issued by the IRS, are based on a sample of Federal estate tax returns which must be filed for deceased persons. Estimates are weighted to adjust for age, sex, and "social class" (as determined by IRS through insurance holdings). Gross estate is the gross value of all assets, including the full face value of life insurance (reduced by policy loans), before reduction by the amount of debts. The level of gross estate or gross assets required for filing estate tax returns increased from \$60,000 which defined top wealthholders in 1972, to \$120,000 for 1976. Net worth is one's level of worth after all debts have been removed.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

**Figure 14.2**  
**Gross National Product (GNP): 1970 to 1986**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 69A.

## No. 985. GNP IN CURRENT AND CONSTANT (1962) DOLLARS: 1970 TO 1986

[In billions of dollars, except as indicated]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>CURRENT DOLLARS</b>										
Gross national product (GNP)	1,516	1,808	2,528	2,732	3,053	3,185	3,485	3,772	4,916	4,235
at consumption expenditures	646	1,513	1,857	1,733	1,915	2,051	2,235	2,431	2,839	2,808
Durable goods	85	135	210	219	240	253	280	335	388	402
Nondurable goods	270	415	513	581	741	771	817	887	913	839
Services	294	461	735	632	935	1,027	1,129	1,228	1,348	1,458
Private domestic investment	148	238	455	437	518	447	582	685	842	871
Investment in fixed capital	145	225	442	445	492	472	509	587	682	655
Residential	105	183	303	323	380	357	357	410	443	437
Nonresidential	41	62	139	123	122	105	153	181	189	218
Change in business inventories	3	-6	13	-8	24	-25	-7	88	10	16
Exports	9	31	19	32	34	35	-8	-88	-79	-100
Imports	89	181	291	351	383	382	353	384	370	376
Net exports	61	130	273	319	349	335	358	442	449	482
Government purchases <sup>1</sup>	319	385	485	530	588	642	675	739	819	879
Federal	99	129	175	208	242	273	284	311	354	385
State and local	77	90	122	143	188	194	214	234	259	276
Imports	119	206	290	322	346	369	382	425	465	504
<b>CONSTANT (1962) DOLLARS</b>										
Gross national product (GNP)	2,416	2,885	3,182	3,157	3,248	3,185	3,279	3,391	3,888	3,719
at consumption expenditures	1,082	1,712	2,084	1,988	2,024	2,051	2,146	2,349	2,583	2,451
Durable goods	169	206	257	240	251	253	289	323	353	364
Nondurable goods	533	677	767	783	784	771	800	826	850	877
Services	667	830	871	962	1,009	1,027	1,053	1,100	1,150	1,190
Private domestic investment	382	383	575	508	545	447	504	588	685	654
Investment in fixed capital	373	365	550	515	522	472	510	588	629	640
Residential	284	281	389	378	385	367	381	425	454	444
Nonresidential	109	115	171	137	127	105	148	171	175	196
Change in business inventories	8	-13	15	-7	24	-25	-8	62	7	14
Exports	-30	19	4	57	49	35	-39	-84	-100	-146
Imports	178	280	357	399	393	382	348	372	385	377
Net exports	208	241	353	352	343	336	365	456	474	523
Government purchases <sup>1</sup>	573	591	688	621	630	642	648	676	727	755
Federal	268	225	238	247	250	273	275	291	324	333
State and local	304	366	373	374	370	369	374	387	403	422

Not available. <sup>1</sup> Purchases of goods and services.Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-82*, and *of Current Business*, July 1987 issue.

## No. 986. GNP COMPONENTS—ANNUAL GROWTH RATES: 1965 TO 1986

Note: Represents changes in constant 1962 dollar GNP. GNP = Gross national product. Minus sign ( - ) indicates decrease.

YR	GDP	PERSONAL CONSUMPTION EXPENDITURES				GROSS PRIVATE DOMESTIC INVESTMENT			GOVERNMENT PURCHASES		Imports	Exports
		Total	Durable goods	Non-durable goods	Services	Total	Fixed Investment		Federal	State and local		
							Residential	Non-residential				
1970.....	5.0	3.8	3.8	3.1	4.5	.8	-8	3.0	1.9	4.6	9.1	6.2
1971.....	2.8	3.1	9.7	1.2	9.3	9.9	29.3	-2.1	-6.8	3.8	5.1	.5
1972.....	5.0	5.4	12.4	3.9	5.0	11.0	17.9	7.2	-1.8	2.8	11.7	8.9
1973.....	5.2	4.2	9.9	2.7	4.0	11.9	-1.9	14.5	-6.5	3.3	11.9	24.1
1974.....	-5	-9	-7.0	-2.5	2.2	-7.6	-20.3	.2	-1.8	3.4	-2.0	11.1
1975.....	-1.3	2.3	.3	1.8	3.3	-20.4	-11.8	-11.5	-	2.2	-10.3	-3.5
1976.....	4.9	5.4	13.0	4.8	4.0	16.3	22.5	3.3	-9	.4	16.5	5.7
1977.....	4.7	4.4	9.3	3.2	4.1	15.0	19.4	11.5	3.4	.3	11.1	2.6
1978.....	5.3	4.1	5.3	3.0	4.6	10.7	5.9	11.8	.8	3.7	7.0	11.0
1979.....	2.5	2.2	-3	1.7	3.3	-3	-4.0	7.5	1.1	.7	4.1	14.1
1980.....	-2	-2	-7.7	-5	2.1	-11.5	-19.8	-2.6	4.5	.2	-6.0	9.0
1981.....	1.8	1.2	2.0	.2	1.7	7.1	-7.7	4.2	5.1	-8	3.4	1.0
1982.....	-2.5	1.3	.8	.9	1.6	-18.0	-18.9	-7.2	5.0	-3	-2.3	-7.5
1983.....	3.6	4.6	12.0	3.8	3.5	12.7	42.1	-1.5	.9	1.3	9.7	-3.5
1984.....	6.8	4.8	14.1	3.2	3.5	30.6	14.5	17.7	5.7	3.5	23.8	8.8
1985.....	3.0	4.8	9.2	2.9	4.6	-3.4	2.2	8.8	11.5	4.1	3.8	-1.7
1986.....	2.9	4.2	6.7	3.3	3.4	2.8	12.5	-2.3	2.8	4.8	10.5	3.3

presents zero.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-82*, and *of Current Business*, July 1987 issue.

## NO. 670. GROSS NATIONAL PRODUCT, BY INDUSTRY: 1960 TO 1966

[In billions of dollars. Data include non-factor charges (capital consumption allowances and indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

INDUSTRY	CURRENT DOLLARS					Percent change			
	1960	1962	1964	1965	1966	1964-1963	1965-1964	1966-1965	1966-1960
Gross national product.....	2,732.0	2,465.7	2,772.3	4,018.3	4,236.8	7.8	12.8	6.3	8.6
Domestic industries.....	2,664.4	2,365.9	2,724.9	3,976.5	4,201.3	7.7	11.0	6.6	8.6
Private industries.....	2,387.3	2,040.2	2,379.9	3,466.8	3,686.8	7.8	11.5	6.8	8.7
Agriculture, forestry, fisheries.....	77.2	74.3	92.9	90.6	93.0	-1.3	25.0	-2.5	2.6
Farms.....	65.5	59.3	77.6	75.1	76.4	-3.3	30.9	-3.2	1.7
Mining.....	107.3	118.4	119.4	118.2	95.9	2.3	.6	-1.0	-19.4
Construction.....	137.7	149.6	171.5	184.4	197.9	2.8	14.5	7.5	7.9
Manufacturing <sup>1</sup> .....	581.0	663.2	771.9	799.3	824.3	6.5	13.0	3.5	3.1
Durable goods <sup>1</sup> .....	351.8	365.6	451.1	469.9	478.5	3.1	17.0	4.2	1.9
Lumber and wood products.....	18.7	20.5	22.8	22.7	24.6	3.1	11.2	-4	9.3
Furniture and fixtures.....	8.6	10.6	12.4	12.9	13.4	7.2	17.0	4.0	3.9
Stone, clay and glass products.....	19.0	20.2	22.9	24.2	25.3	2.1	13.4	5.7	4.5
Primary metal industries.....	44.3	30.3	36.3	34.6	34.8	-11.9	19.6	-4.1	-
Fabricated metal products.....	46.0	47.6	55.1	58.5	56.9	1.1	15.8	2.5	.7
Machinery, except electrical.....	76.9	75.3	85.4	88.2	85.9	-7	13.4	3.9	-2.6
Electric and electronic equipment.....	55.0	67.7	79.9	86.6	89.2	7.2	18.0	6.6	1.6
Motor vehicles and equipment.....	25.7	39.0	49.6	50.5	49.5	12.5	27.2	1.8	■
Other transportation equipment.....	28.2	40.1	46.0	49.7	54.3	12.5	14.7	8.0	9.3
Instruments and related products.....	19.0	23.8	26.9	29.7	31.4	7.8	13.0	10.4	5.7
Nondurable goods.....	229.2	297.6	320.8	329.3	345.8	9.1	7.8	2.6	5.0
Food and kindred products.....	52.2	64.7	66.6	69.8	71.1	7.4	2.9	4.6	1.9
Tobacco manufactures.....	7.3	11.9	12.8	12.6	12.7	17.7	7.6	-2.3	1.6
Textile mill products.....	15.0	16.9	17.4	16.6	16.5	4.1	3.0	-3.4	10.1
Apparel and other textile products.....	17.1	20.3	20.7	20.3	20.7	6.9	2.0	-1.9	2.0
Paper and allied products.....	23.1	27.6	31.9	32.1	35.0	6.4	14.7	3.8	6.7
Printing and publishing.....	31.6	42.4	47.8	52.0	54.4	10.3	12.3	8.2	■
Chemicals and allied products.....	45.5	59.6	62.0	61.1	64.4	9.4	4.0	-1.5	5.4
Petroleum and coal products.....	16.8	26.3	39.7	35.2	36.9	19.0	19.1	4.5	10.6
Rubber and misc. plastics products.....	16.8	21.9	24.4	25.2	27.1	9.2	11.4	3.9	7.5
Leather and leather products.....	3.9	3.8	3.5	3.4	3.0	-9	-5.3	-5.6	-11.8
Transportation public utilities.....	240.8	320.0	354.4	376.2	391.4	8.9	10.7	6.2	4.0
Transportation.....	106.6	120.6	133.5	140.5	144.1	4.4	10.8	5.2	2.8
Railroad transportation.....	20.8	20.1	22.4	21.7	21.6	-1.1	11.4	-3.1	-5
Local and interurban passenger transit.....	5.4	6.6	7.2	6.0	6.0	6.9	9.1	11.1	-
Trucking and warehousing.....	44.0	48.8	56.2	59.1	60.9	4.3	12.6	5.2	3.8
Water transportation.....	7.1	7.5	7.8	8.2	8.1	1.8	4.0	5.1	-1.2
Air transportation.....	18.1	22.9	25.1	28.1	29.8	8.2	14.0	7.7	6.0
Pipelines, except natural gas.....	4.7	5.1	4.5	5.2	4.9	2.8	-11.8	15.6	-6.8
Transportation services.....	5.8	8.3	9.3	10.3	10.9	12.7	12.0	10.8	5.8
Communications.....	66.6	96.0	102.2	109.3	115.3	13.0	6.5	6.8	5.8
Telephone and telegraph.....	60.2	86.8	91.1	97.3	102.6	13.0	5.0	6.8	5.4
Radio and TV broadcasting.....	6.3	9.2	11.1	11.9	12.7	13.5	20.7	7.2	6.7
Electric, gas, and sanitary services.....	66.4	103.5	118.7	126.5	132.0	14.8	14.7	6.6	4.3
Wholesale trade.....	193.9	228.5	263.1	291.5	294.6	5.3	16.2	7.0	4.7
Retail trade.....	245.0	318.4	360.8	362.2	407.9	6.9	10.8	9.0	6.7
Finance, insurance, and real estate.....	400.6	536.4	572.8	622.8	665.0	10.2	6.8	6.7	11.6
Banking.....	51.1	68.1	70.8	89.9	89.0	10.0	3.7	-2.4	1
Credit agencies other than banks.....	5.5	10.6	9.8	12.5	14.6	24.4	-7.5	27.6	16.9
Security, commodity, brokers services.....	9.7	20.7	19.7	25.1	32.9	■	-4.8	27.4	21.1
Insurance carriers.....	37.0	36.5	34.9	■	53.6	-5	-4.4	11.2	26.1
Insurance agents brokers services.....	14.4	17.6	20.1	22.5	25.7	6.9	14.2	11.9	14.2
Real estate.....	261.5	374.2	409.1	441.3	483.2	10.0	9.3	7.9	8.5
Holding, other investment companies.....	1.3	8.7	6.5	13.6	15.8	66.4	-2.3	60.0	16.2
Services.....	374.0	515.5	580.2	643.7	700.2	11.3	12.6	10.9	8.8
Hotels and other lodging places.....	18.9	24.3	27.0	29.5	31.8	8.7	11.1	8.3	8.1
Personal services.....	18.6	23.1	25.0	29.1	31.1	7.1	6.2	16.4	8.8
Business services.....	68.8	104.8	125.3	146.3	162.8	15.1	19.6	16.6	11.3
Auto repair, services, garages.....	21.1	26.1	29.2	32.1	34.3	7.3	11.9	6.9	6.9
Motion pictures.....	5.0	6.6	7.3	8.2	6.5	9.7	10.6	12.3	3.7
Amusement, recreation services.....	12.4	16.8	17.8	20.2	21.4	10.7	6.0	13.5	5.9
Health services.....	108.1	156.1	169.0	163.6	196.6	13.0	6.3	8.6	8.2
Legal services.....	23.3	35.0	41.6	48.3	52.3	14.5	16.9	11.3	13.0
Educational services.....	16.0	21.0	23.5	25.2	26.7	9.5	11.8	7.2	6.9
Social services, membership.....	26.3	32.8	35.7	37.9	40.5	7.8	6.8	6.2	6.8
Misc'l. professional services.....	39.6	49.9	56.9	64.1	70.1	8.0	14.0	12.7	9.4
Private households.....	6.6	8.2	8.9	6.0	9.3	7.5	6.5	1.1	3.3
Government and govt. enterprises.....	322.1	410.5	442.5	477.4	506.6	8.4	7.8	7.9	6.1
Federal.....	114.7	148.3	160.0	171.1	175.6	8.9	7.9	6.9	2.9
State and local.....	207.4	262.2	282.5	306.3	331.1	8.1	7.7	8.4	6.1
Statistical discrepancy.....	4.9	5.2	5.4	-5.8	-4.9	2.0	(NA)	(NA)	(NA)
Rest of the world.....	47.8	49.8	47.4	39.8	33.7	1.6	-5.0	-16.0	-18.3

See footnotes at end of table.

## NO. 670 GROSS NATIONAL PRODUCT, BY INDUSTRY: 1960 TO 1986—Continued

[In billions of dollars. Data include non-factor charges (capital consumption allowances and indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

INDUSTRY	CONSTANT (1982) DOLLARS								
	1960	1969	1984	1985	1986	Percent change			
						1960-1969	1969-1984	1984-1985	1985-1986
Gross national product <sup>1</sup>	3,187.1	3,378.1	3,581.4	3,807.5	3,713.9	1.0	6.6	3.9	2.9
Domestic industries	2,131.7	2,231.2	2,467.5	2,671.5	2,682.6	1.0	7.0	3.3	8.1
Private industries	2,739.5	2,839.2	3,063.3	3,189.7	3,288.1	1.1	7.9	4.3	3.4
Agriculture forestry fisheries	76.2	74.5	82.2	83.6	100.4	-7	10.3	13.9	7.3
Farms	64.2	61.3	68.5	78.9	84.7	-1.5	11.7	15.2	7.4
Mining	135.8	125.4	133.0	130.6	118.1	-2.6	6.1	-1.8	-9.6
Construction	161.8	147.3	159.2	164.2	168.3	-3.0	8.1	3.1	2.5
Manufacturing <sup>2</sup>	885.4	875.5	757.9	790.3	612.2	5	12.2	4.3	2.8
Durable goods <sup>1</sup>	401.5	390.4	486.6	501.4	517.7	-9	19.6	7.4	3.3
Lumber and wood products	20.4	16.1	20.4	20.5	21.6	-3.9	12.7	.5	5.4
Furniture and fixtures	10.2	10.4	11.6	11.6	11.4	6	13.5	-1.7	-1.7
Stone clay and glass products	21.1	19.7	21.6	22.2	22.2	-2.3	9.6	2.8	(2)
Primary metal industries	46.4	30.0	34.7	34.1	36.0	-13.5	15.7	-1.7	2.6
Fabricated metal products	82.5	48.9	55.8	55.8	54.8	-2.3	14.1	(2)	-1.8
Machinery, except electrical	84.6	86.9	114.6	137.5	150.8	8	22.1	19.6	9.7
Electric electronic equipment	82.7	86.2	77.3	83.8	85.0	1.8	16.8	8.4	1.4
Motor vehicles and equipment	33.7	39.5	47.9	47.7	44.5	4.6	24.4	-4	-8.7
Other transportation equipment	38.1	38.6	42.6	46.4	48.5	.4	10.4	6.8	8.8
Instruments and related products	21.8	23.2	25.4	29.3	29.7	2.1	9.5	11.4	4.9
Nondurable goods	263.9	295.1	291.1	288.9	294.4	2.8	2.1	-8	1.9
Food and kindred products	56.7	62.0	60.6	62.9	62.6	2.0	-1.9	3.6	-5
Tobacco manufactures	9.5	8.9	8.7	7.3	7.0	-2.2	-2.2	-16.1	-4.1
Textile mill products	16.1	16.6	16.7	15.6	16.9	1.0	.6	-5.4	7.0
Apparel and other textile products	20.1	19.8	20.4	19.6	19.5	-5	3.0	-3.8	-5
Paper and allied products	24.8	28.7	30.2	30.6	31.9	5.3	5.2	1.3	2.3
Printing and publishing	36.9	39.9	41.3	42.6	42.3	2.6	3.5	3.1	-7
Chemicals and allied products	50.1	59.6	60.0	58.4	59.4	6.0	7	(2)	5.3
Petroleum and coal products	26.7	24.0	25.0	24.9	26.4	-3.5	4.2	-4	6.0
Rubber and misc. plastics products	18.8	21.7	24.3	26.2	26.0	4.7	12.0	3.7	3.2
Leather and leather products	4.3	3.8	3.8	3.7	3.0	-4.0	(2)	-2.6	-18.9
Transportation public utilities	293.4	300.8	320.4	325.0	(2)	.8	6.5	1.4	1.0
Transportation	129.5	113.7	123.7	125.0	120.2	-4.2	8.8	1.1	3.4
Railroad transportation	27.2	19.1	20.2	19.8	19.7	-11.1	5.8	-2.0	-5
Local and interurban passenger transit	7.0	5.8	6.1	6.3	6.3	-8.1	6.2	3.3	(2)
Trucking and warehousing	51.5	48.6	53.4	52.4	54.2	-1.9	9.9	-1.9	3.4
Water transportation	8.3	7.6	7.8	7.8	7.8	-3.3	4.0	(2)	(2)
Air transportation	23.1	19.8	22.1	23.7	25.7	-5.3	12.8	7.2	8.4
Pipelines, except natural gas	5.1	4.9	5.0	4.9	5.1	-1.3	2.0	-2.0	4.1
Transportation services	7.2	6.3	9.2	10.0	10.3	4.9	(2)	6.7	3.0
Communications	78.4	92.1	92.9	94.3	95.3	5.5	.9	1.5	1.1
Telephone and telegraph	71.1	83.2	83.0	84.3	85.2	5.4	-2	1.8	1.1
Radio and TV broadcasting	7.3	8.9	9.9	10.0	10.1	6.8	11.2	1.0	1.0
Electric gas, and sanitary services	85.5	95.0	103.6	105.8	103.9	3.6	9.3	1.9	-1.8
Wholesale trade	213.5	222.0	250.6	268.9	282.4	1.3	12.9	7.3	5.0
Retail trade	288.9	307.0	326.3	343.3	362.2	2.3	6.9	4.6	5.5
Finance, insurance, and real estate	464.3	489.0	506.6	523.6	551.3	1.7	3.6	3.4	5.3
Banking	58.7	60.5	61.0	61.9	63.0	2.2	.8	1.5	1.8
Credit agencies other than banks	5.2	6.0	6.8	7.0	7.7	4.9	10.0	6.1	10.0
Security, commodity, brokers services	10.7	14.9	16.1	16.9	(2)	11.7	8.1	5.0	10.1
Insurance carriers	28.6	30.1	31.5	33.6	37.7	1.7	4.7	6.7	12.2
Insurance agents brokers services	17.9	17.4	17.9	19.6	21.6	.2	2.9	8.5	10.2
Real estate	339.6	352.7	365.3	375.8	393.1	1.3	(2)	2.8	4.7
Holding, other investment companies	6.3	7.4	8.2	8.9	9.7	5.5	10.8	6.5	9.0
Services	442.8	486.6	514.0	541.3	564.9	3.2	5.8	6.3	4.4
Hotels and other lodging places	22.6	22.5	22.9	23.2	22.9	-1	1.6	1.3	-1.3
Personal services	22.2	21.6	22.4	24.6	(2)	-6	2.8	9.8	4.1
Business services	84.0	100.0	111.0	120.7	129.6	6.0	11.0	8.7	7.5
Auto repair services, garages	24.4	25.2	27.3	29.2	30.1	1.1	8.3	7.0	3.1
Motion pictures	5.7	6.2	6.3	6.7	6.9	2.8	1.6	6.3	3.0
Amusement, recreation services	13.7	16.1	16.4	18.0	18.2	5.5	1.9	9.8	1.1
Health services	129.4	146.7	153.1	158.9	166.0	4.3	4.4	3.8	4.6
Legal services	28.9	31.6	32.8	35.0	36.9	3.0	3.8	6.7	5.4
Educational services	18.1	19.8	20.6	21.2	21.4	3.0	4.0	2.9	.8
Social services, membership organizations	30.2	31.1	32.3	32.9	34.2	1.0	3.9	1.9	4.0
Misc. professional services	47.1	47.7	49.9	51.8	53.7	.4	4.6	3.8	3.7
Private households	7.4	8.1	8.6	8.6	9.0	3.1	6.6	(2)	2.3
Government and govt. enterprises	382.7	387.4	382.1	398.0	405.4	.4	1.2	1.8	1.8
Federal	136.3	141.9	144.1	146.8	148.3	.9	1.6	1.9	1.0
State and local	244.4	245.5	248.1	252.3	257.1	1	1.1	1.7	1.9
Statistical discrepancy	5.9	5.0	5.0	-5.1	-4.3	-5.4	(ns)	(ns)	(ns)
Rest of the world	55.5	47.9	43.9	36.0	29.6	-4.8	-5.4	-18.0	-17.2

- Represents zero. NS Not significant. Z Less than .5 percent. <sup>1</sup> Includes farms not shown separately. <sup>2</sup> Includes residual not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987 issue.

## No. 671. GROSS NATIONAL PRODUCT—SUMMARY: 1929 TO 1986

(In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. Minus sign (-) indicates decrease)

YEAR	Gross national product	Personal consumption expenditures	Gross private domestic investment	Net exports of goods and services	Govt. purchases, goods and services	BY MAJOR TYPE OF PRODUCT			BY SECTOR			
						Goods	Services	Structures	Business	Households and institutions	Government	Rest of the world
1929	103.9	77.3	16.7	1.1	8.9	56.1	35.9	11.9	66.0	2.9	4.4	.8
1933	56.0	45.8	1.6	.4	8.3	27.0	25.8	3.1	48.3	1.7	4.7	.3
1940	100.4	71.0	13.4	1.8	14.2	56.0	35.8	8.6	60.6	2.4	7.8	.4
1945	213.4	119.6	11.3	-5	83.0	126.9	77.3	7.2	173.5	4.1	35.3	.4
1950	266.3	192.1	55.1	2.2	36.8	182.4	89.0	36.9	259.0	6.6	21.2	1.5
1955	406.8	257.9	89.7	3.0	75.3	216.3	136.5	51.1	359.4	9.1	34.8	2.6
1960	515.3	330.7	78.2	5.9	100.6	257.2	197.4	60.7	449.9	13.9	48.1	3.5
1965	705.1	440.7	118.2	9.7	136.6	342.9	280.5	81.7	610.7	18.3	69.3	5.8
1970	1,015.5	640.0	148.8	8.5	218.2	487.8	441.1	106.5	858.3	32.4	119.5	7.3
1975	1,596.4	1,012.8	219.8	31.1	335.0	714.7	725.2	158.5	1,341.2	52.0	167.7	17.5
1978	1,782.8	1,129.3	277.7	16.6	356.9	798.9	803.5	180.4	1,500.7	57.1	203.8	21.1
1977	1,890.5	1,257.2	344.1	1.9	387.3	882.0	895.9	212.6	1,682.1	62.4	220.5	25.4
1978	2,249.7	1,403.5	418.8	4.1	425.2	991.4	1,003.0	255.3	1,908.4	70.2	240.5	30.5
1979	2,508.2	1,666.8	454.8	16.8	487.8	1,099.1	1,121.9	287.1	2,125.3	78.8	260.4	43.8
1980	2,732.0	1,732.6	437.0	32.1	530.3	1,174.9	1,265.0	292.0	2,306.8	89.3	286.3	47.8
1981	3,052.6	1,915.1	515.5	33.9	588.1	1,322.9	1,415.4	314.4	2,582.6	101.0	316.7	52.1
1982	3,166.0	2,050.7	447.3	25.3	641.7	1,318.1	1,547.5	298.4	2,658.2	112.7	343.9	51.2
1983	3,406.7	2,234.5	502.3	-6.1	675.0	1,366.1	1,662.5	327.1	2,898.6	122.9	366.4	49.9
1984	3,772.2	2,430.5	664.8	-58.9	735.9	1,581.4	1,813.9	377.0	3,201.5	132.7	390.6	47.4
1985	4,010.3	2,629.4	641.6	-79.2	818.6	1,837.9	1,999.3	403.1	3,409.5	142.2	416.8	39.8
1986	4,235.0	2,799.8	671.0	-105.5	889.7	1,993.8	2,116.2	425.1	3,605.2	152.2	443.9	33.7

## No. 672. RELATION OF GNP, NATIONAL INCOME, PERSONAL INCOME, DISPOSABLE PERSONAL INCOME AND PERSONAL SAVING: 1970 TO 1986

(In billions of dollars. For definitions, see text, section 14)

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Gross national product	1,016.5	1,596.4	2,732.0	3,052.6	3,166.0	3,406.7	3,772.2	4,010.3	4,235.0
Less: Capital consumption allowances <sup>1</sup>	88.8	161.8	303.8	347.8	368.2	396.6	415.5	437.6	456.7
Equals: Net national product <sup>2</sup>	927.6	1,434.6	2,428.1	2,704.8	2,797.8	3,009.1	3,356.6	3,572.7	3,778.4
Less: Indirect business tax and nontax liability	94.0	140.0	213.3	251.5	258.8	282.6	313.9	333.2	347.7
Plus: Subsidies <sup>3</sup>	2.9	2.4	5.7	6.7	6.7	14.1	9.9	6.3	8.7
Equals: National income <sup>4</sup>	836.6	1,296.1	2,209.5	2,449.5	2,545.4	2,739.5	3,052.6	3,245.8	3,439.4
Less: Corporate profits <sup>5</sup>	74.7	117.6	177.2	188.0	150.0	213.7	268.9	277.8	284.4
Net interest	41.2	63.8	200.9	248.1	272.3	281.0	304.6	315.3	328.1
Contributions for social insurance	82.2	118.5	216.5	251.2	289.6	291.0	324.9	352.7	374.3
Plus: Government transfer payments to persons	81.8	185.7	312.8	355.7	395.2	428.6	437.9	488.2	486.0
Personal interest income	69.3	122.5	271.9	335.4	369.7	393.1	444.7	476.5	487.8
Personal dividend income	22.2	28.7	52.9	61.3	63.9	68.7	75.5	78.9	81.3
Business transfer payments	4.1	7.4	12.1	12.4	14.3	16.0	18.7	21.6	22.3
Equals: Personal income	831.8	1,313.4	2,258.5	2,520.9	2,670.6	2,839.6	3,108.7	3,327.0	3,534.3
Less: Personal tax and nontax payment	118.2	170.6	340.5	393.3	409.3	410.5	440.2	485.9	512.2
Equals: Disposable personal income	713.6	1,142.8	1918.0	2,127.6	2,261.4	2,429.1	2,668.6	2,841.1	3,022.1
Less: Personal outlays	657.9	1,038.2	1,781.1	1,968.1	2,107.5	2,297.4	2,504.5	2,714.1	2,891.5
Equals: Personal saving	57.7	104.6	136.9	159.4	153.9	130.8	164.1	127.1	130.6

<sup>1</sup> With capital consumption adjustment. <sup>2</sup> Includes items not shown separately. <sup>3</sup> Less current surplus of government enterprises. <sup>4</sup> With inventory valuation and capital consumption adjustments.

## No. 673. PER CAPITA INCOME AND PRODUCT FOR SELECTED ITEMS: 1970 TO 1986

(Based on Bureau of the Census estimated population including Armed Forces abroad; based on quarterly averages)

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS									
Gross national product	4,951	7,401	11,895	13,282	13,614	14,503	15,913	16,767	17,589
Personal income	4,056	6,081	9,916	10,952	11,495	12,086	13,114	13,902	14,888
Disposable personal income	3,469	5,291	8,421	9,243	9,724	10,340	11,257	11,872	12,808
Personal consumption expenditures	3,121	4,899	7,807	8,320	8,816	9,516	10,259	10,867	11,589
CONSTANT (1982) DOLLARS									
Gross national product	11,761	12,478	13,994	14,114	13,814	13,964	14,771	15,074	15,389
Disposable personal income	8,134	8,944	9,722	9,799	9,725	9,830	10,419	10,822	10,947
Personal consumption expenditures	7,275	7,926	8,783	8,794	8,816	9,139	9,489	9,830	10,142

Source of tables 671-673: U.S. Bureau of Economic Analysis, *The National Income and Products Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987 issue.

## NO. 674. NATIONAL INCOME, BY TYPE OF INCOME: 1970 TO 1986

[In billions of dollars. Prior to 1980, excludes Alaska and Hawaii]

TYPE OF INCOME	1970	1975	1980	1981	1982	1983	1984	1985	1986
National income	632.6	1,288.1	2,203.6	2,443.6	2,618.4	2,719.6	2,828.6	2,829.8	3,422.9
Compensation of employees	618.3	948.7	1,638.2	1,807.4	1,907.0	2,020.7	2,213.9	2,370.8	2,504.9
Wages and salaries	551.5	814.7	1,372.0	1,510.4	1,588.1	1,678.2	1,838.8	1,974.7	2,089.1
Government and government enterprises	117.1	178.1	280.1	284.4	305.9	323.9	346.3	372.1	384.8
Private	434.3	638.8	1,111.8	1,225.9	1,280.2	1,352.3	1,482.5	1,602.6	1,684.3
Supplements to wages salaries	95.8	134.0	288.3	297.1	320.9	344.5	375.1	398.1	415.8
Employer contributions for social insurance	34.3	68.0	127.9	148.6	157.3	170.9	182.2	203.8	214.7
Other labor income	32.6	65.9	138.4	150.3	163.6	173.8	182.9	182.3	201.1
Proprietors' income <sup>1</sup>	80.2	125.4	180.7	188.6	175.5	180.9	234.5	257.3	289.8
Farm	14.7	25.4	20.5	30.7	24.6	12.4	30.5	29.7	37.2
Nonfarm	65.4	100.0	180.1	158.1	150.9	178.4	204.0	227.8	252.6
Proprietors' income	66.0	102.2	184.3	155.2	148.5	167.3	182.4	196.0	217.7
Rental income of persons <sup>2</sup>	18.2	13.5	8.6	13.3	13.6	13.2	8.5	8.0	16.7
Corporate profits <sup>3</sup>	74.7	117.6	177.2	188.0	180.0	213.7	288.9	277.6	284.4
Corporate profits <sup>4</sup>	69.5	123.9	164.0	202.3	159.2	198.7	234.2	224.1	238.4
Profits before tax	76.0	134.8	237.1	228.5	189.8	207.6	240.0	224.8	231.9
Profits tax liability	34.4	50.9	64.8	81.1	63.1	77.2	83.9	96.7	105.0
Profits after tax	41.7	83.9	152.3	145.4	108.5	130.4	148.1	128.1	126.8
Dividends	22.5	29.8	54.7	63.6	66.9	71.5	79.0	81.3	88.8
Undistributed profits	19.2	54.3	97.6	81.8	39.6	58.9	67.0	46.8	40.0
Inventory valuation adjustment	-8.6	-11.0	-43.1	-24.2	-10.4	-10.9	-5.8	-7	8.5
Capital consumption adjustment	5.2	-6.2	-18.8	-14.4	-9.2	17.0	32.7	53.5	48.0
Net interest	41.2	83.8	200.9	246.1	272.3	281.0	304.8	315.3	326.1
Addenda:									
Corporate profits after tax <sup>5</sup>	40.3	86.7	82.4	108.8	88.9	136.5	173.0	180.9	179.4
Net cash flow <sup>6</sup>	69.6	133.5	219.1	254.0	255.0	307.7	348.5	398.7	375.4
Undistributed profits <sup>7</sup>	17.9	37.1	37.7	43.2	20.0	65.0	94.0	99.8	82.6
Capital consumption allowances	52.0	66.4	161.4	210.7	235.0	242.7	254.5	280.1	282.8
Less: Inventory valuation adjustment	-8.6	-11.0	43.1	-24.2	-10.4	-10.9	-5.8	-7	8.5
Equals: Net cash flow	76.4	144.5	262.2	278.1	265.4	316.8	354.3	399.4	368.9

<sup>1</sup> With inventory valuation and capital consumption adjustments. <sup>2</sup> With capital consumption adjustment.  
<sup>3</sup> With inventory valuation adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987 issue.

## NO. 675. NATIONAL INCOME, BY SECTOR: 1970 TO 1986

[In billions of dollars]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986
National income	632.6	1,288.1	2,203.6	2,443.6	2,618.4	2,719.6	2,828.6	2,829.8	3,422.9
Domestic business	673.4	1,031.8	1,778.4	1,973.7	2,010.6	2,180.4	2,457.9	2,829.2	2,792.2
Corporate business	479.8	740.6	1,312.6	1,457.3	1,478.0	1,609.4	1,805.9	1,921.6	2,014.1
Compensation of employees	401.0	617.0	1,117.2	1,235.0	1,267.8	1,360.6	1,502.1	1,605.6	1,689.1
Corporate profits <sup>1</sup>	67.8	103.2	142.8	159.4	121.9	183.6	236.0	247.1	253.2
Net interest	11.0	20.4	52.5	62.9	68.2	65.2	67.8	68.9	71.8
Sole proprietors partnerships	135.0	205.8	318.0	342.2	340.6	381.2	421.7	455.3	500.8
Compensation of employees	49.2	65.8	102.2	108.7	114.0	118.5	131.6	142.4	154.5
Proprietors' income <sup>2</sup>	79.8	124.5	179.4	185.4	174.0	189.3	232.6	255.5	288.2
Net interest	6.0	15.5	36.5	48.1	52.7	53.4	57.6	57.3	58.1
Other private business <sup>3</sup>	45.7	63.9	114.2	136.5	152.4	187.2	184.3	202.5	225.2
Compensation of employees	3.2	4.7	7.8	6.4	9.0	9.8	10.9	12.0	13.0
Proprietors' income <sup>4</sup>	18.2	9	13	14	16	18	19	17	17
Rental income of persons <sup>5</sup>	4	13.5	8.6	13.3	13.6	13.2	8.5	8.0	16.7
Net interest	23.9	44.8	98.5	113.4	128.2	142.7	162.9	179.8	193.8
Government enterprises <sup>6</sup>	13.0	21.5	33.5	37.8	39.6	42.6	46.1	49.8	52.2
Households and institutions <sup>7</sup>	32.4	52.0	89.3	101.0	112.7	122.9	132.7	142.2	152.2
Government <sup>8</sup>	118.5	187.7	288.3	316.7	343.9	366.4	380.6	418.8	443.9
Rest of the world	7.3	17.5	47.6	52.1	51.2	49.9	47.4	39.8	33.7

<sup>1</sup> With inventory valuation and capital consumption adjustments. <sup>2</sup> Consists of all business activities reported on the individual income tax return in Schedule E—Supplemental Income Schedule; tax-exempt cooperatives; and owner-occupied nonfarm housing and buildings and equipment owned and used by nonprofit institutions serving individuals, which are considered to be business activities selling their current services to their owners. <sup>3</sup> With capital consumption adjustment. <sup>4</sup> Compensation of employees. <sup>5</sup> Compensation of employees in private households; nonprofit social and athletic clubs; labor organizations; nonprofit schools and hospitals; religious, charitable, and welfare organizations; and all other nonprofit organizations serving individuals.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987 issue.



No. 676. PERSONAL CONSUMPTION EXPENDITURES—BY TYPE OF EXPENDITURE IN CURRENT DOLLARS: 1980 TO 1986

[In billions of dollars. Minus sign (–) indicates decrease]

TYPE OF EXPENDITURE	1980	1985	1984	1980	1980	AVERAGE ANNUAL PERCENT CHANGE			
						1985-83	1983-84	1984-83	1985-98
Total current dollars <sup>1</sup> .....	1,732.6	2,234.5	2,430.5	2,629.4	2,799.8	8.8	8.8	8.2	6.8
Food and tobacco <sup>1 2</sup> .....	369.9	450.1	479.0	504.8	532.0	6.8	6.4	5.4	5.4
Food purchased for off-premise consumption.....	242.3	290.4	305.8	320.6	333.3	6.2	5.3	4.8	4.0
Meals, beverages purchased <sup>2</sup> .....	100.2	123.5	134.1	143.2	155.2	7.2	8.6	8.8	8.4
Tobacco products.....	20.8	28.2	30.5	32.0	34.2	10.7	8.2	4.9	6.9
Clothing accessories and jewelry <sup>1</sup> .....	135.0	167.2	181.8	194.9	209.1	7.4	8.7	7.2	7.3
Shoes.....	16.9	20.2	21.8	23.2	24.8	6.1	8.9	7.4	6.0
Clothing and accessories.....	91.9	114.7	125.0	133.9	142.7	7.7	9.0	7.1	8.6
Jewelry and watches.....	15.4	18.0	19.9	20.8	23.5	5.3	10.6	4.5	13.0
Personal care.....	27.2	34.1	38.4	38.9	41.4	7.8	6.7	6.9	6.4
Housing <sup>1</sup> .....	281.5	344.1	371.3	402.4	436.9	9.6	7.9	8.4	8.6
Owner-occupied nonfarm dwellings-space rent.....	178.3	233.9	252.3	272.7	296.0	9.5	7.9	8.1	8.5
Tenant-occupied nonfarm dwellings-rent ..	61.9	84.7	92.2	103.0	114.5	11.0	8.8	11.7	11.2
Rental value of farm dwellings.....	11.0	12.1	12.2	10.9	9.9	3.2	.8	-10.7	-9.2
Household operation <sup>1</sup> .....	233.1	294.1	316.9	331.9	343.0	8.1	7.8	4.7	3.3
Furniture <sup>3</sup> .....	20.9	23.8	28.5	28.1	30.8	4.4	11.3	6.0	6.9
Semidurable house furnishings <sup>4</sup> .....	10.0	12.3	13.3	13.9	14.8	7.1	6.1	4.5	8.5
Cleaning, polishing preparations.....	20.1	23.6	25.1	28.2	27.3	5.5	6.4	4.4	4.2
Household utilities.....	63.7	110.8	117.5	122.9	121.1	9.8	6.0	4.6	-1.5
Electricity.....	37.2	51.0	55.4	59.3	61.0	11.1	6.8	7.0	2.9
Gas.....	19.1	29.0	29.4	29.5	28.6	14.9	1.4	.3	-9.8
Water, other sanitary services.....	9.3	13.3	14.9	18.4	17.5	12.7	12.0	10.1	6.7
Fuel oil and coal.....	18.0	17.5	17.8	17.5	16.0	-.9	1.7	-1.7	-8.8
Telephone and telegraph.....	27.8	37.9	39.8	40.1	42.1	10.9	5.0	.8	5.0
Medical care <sup>1</sup> .....	187.7	266.7	296.4	326.8	357.8	12.7	11.1	9.5	9.5
Drug preparations and sundries <sup>5</sup> .....	18.8	24.4	26.3	27.9	29.7	9.1	7.8	6.1	6.5
Physicians.....	42.0	61.1	67.1	73.3	80.2	13.3	9.8	9.2	9.4
Dentists.....	13.7	18.5	19.8	21.3	22.5	10.5	7.0	7.6	5.6
Privately controlled hospitals <sup>6</sup> .....	82.0	119.6	130.6	140.0	152.1	13.4	9.2	7.2	8.6
Health insurance.....	12.3	16.0	19.0	21.7	23.9	9.2	18.8	14.2	10.1
Medical care <sup>7</sup> .....	8.9	11.0	15.2	17.7	20.1	16.8	38.2	16.4	13.6
Personal business <sup>1</sup> .....	96.7	138.7	145.8	174.0	195.1	12.2	6.7	19.3	12.1
Expense of handling life insurance <sup>8</sup> .....	19.7	27.0	30.6	36.1	39.6	11.1	13.3	18.0	9.7
Legal services.....	13.8	21.7	24.8	28.2	31.3	16.3	13.4	14.6	11.0
Funeral and burial expenses.....	4.4	5.2	5.6	6.2	6.4	5.7	7.7	10.7	3.2
Transportation.....	238.5	295.4	329.5	358.8	365.3	7.4	11.5	8.9	1.8
User-operated transportation <sup>1</sup> .....	218.8	270.5	301.6	329.7	335.8	7.7	11.5	9.3	1.8
New autos.....	46.4	68.2	77.6	96.9	101.5	12.6	17.2	12.0	18.8
Used autos, net purchases.....	14.9	21.6	30.2	34.5	33.8	13.2	39.8	14.2	-2.0
Tires, tubes, accessories, etc.....	16.7	21.9	23.3	25.0	25.0	9.5	6.4	7.3	-
Repair, greasing, washing, parking, storage and rent.....	32.3	38.4	42.8	48.3	51.8	5.9	11.5	12.8	7.2
Gasoline and oil.....	83.7	90.2	90.0	92.6	75.3	2.5	-.2	2.9	-18.7
Purchased local transportation.....	5.8	6.5	6.9	7.1	7.8	3.8	6.2	2.9	7.0
Transit systems.....	2.4	3.1	3.4	3.5	3.8	8.9	9.7	2.9	8.6
Taxicabs.....	3.1	2.9	3.0	3.1	3.3	-2.2	3.4	3.3	6.5
Railway (commutation).....	.3	.4	.5	.5	.5	10.1	25.0	-	-
Purchased intercity transportation <sup>1</sup> .....	15.9	18.4	21.0	22.0	21.9	5.0	14.1	4.8	-5
Bus.....	1.2	1.2	1.2	1.2	1.1	-	-	-	-9.3
Airline.....	13.4	15.3	17.5	18.3	18.1	4.5	14.4	4.6	-1.1
Recreation <sup>1 9</sup> .....	115.0	152.1	168.3	183.8	198.0	9.8	10.7	9.2	7.7
Mags., newspapers, sheet music.....	10.4	12.0	12.7	12.9	13.7	4.9	5.8	1.6	6.2
Toys.....	31.8	38.4	44.5	46.8	46.8	6.5	15.9	5.2	32.6
Radio and television receivers, records and music.....	19.9	28.2	31.5	38.1	40.8	12.3	11.7	14.6	13.0
Private education and research.....	27.2	35.8	39.1	43.1	48.9	9.6	9.2	10.2	8.8
Religious and welfare activities.....	38.8	47.8	52.6	56.8	62.4	9.1	10.0	8.0	9.9

- Represents zero. <sup>1</sup> Includes other expenditures not shown separately. <sup>2</sup> Consists of purchases (including tips) of meals and beverages from retail, service and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunch rooms. <sup>3</sup> Includes mattresses and bed springs. <sup>4</sup> Consist largely of textile house furnishings including place goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes. <sup>5</sup> Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services. <sup>6</sup> Consist of (1) current expenditures (including capital consumption allowances with capital consumption adjustment) of nonprofit hospitals, sanitariums, and nursing homes, and (2) payments by patients to proprietary hospitals, sanitariums, and nursing homes. <sup>7</sup> Consist of (1) premiums, less benefits and dividends, for health, hospitalization and accidental death, and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including capital consumption allowances with capital consumption adjustment) of Blue Cross and Blue Shield plans and of other independent prepaid and self-insured health plans. <sup>8</sup> Consist of (1) operating expenses of life insurance carriers and private noninsured pension plans, and (2) premiums, less benefits and dividends, of fraternal benefit societies. Excludes expenses allocated by commercial carriers to accident and health insurance. <sup>9</sup> For additional details, see table 363.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July 1987 issue.

## NO. 677. PERSONAL CONSUMPTION EXPENDITURES, BY TYPE OF PRODUCT IN CONSTANT (1982) DOLLARS: 1980 TO 1986

[In billions of dollars, except percent. Minus sign (-) indicates decrease]

TYPE OF EXPENDITURE	1980	1983	1984	1985	1986	AVERAGE ANNUAL PERCENT CHANGE			
						1980-83	1983-84	1984-85	1985-86
Personal consumption expenditures	2,090.4	2,146.0	2,268.3	2,382.6	2,480.5	2.4	4.9	4.8	4.2
Durable goods	245.9	283.1	323.1	352.7	383.5	4.8	14.1	8.2	8.7
Motor vehicles and parts <sup>1</sup>	103.8	128.6	148.0	163.6	175.7	8.9	18.7	10.5	7.4
New autos	51.2	64.5	73.5	79.8	89.3	8.0	14.0	8.6	11.9
Net purchases of used autos	21.0	19.8	24.8	29.0	29.6	-1.8	25.3	16.9	2.8
Tires, tubes, accessories, etc.	16.1	22.5	24.8	28.5	28.6	7.5	10.2	6.9	.4
Furniture and household equipment <sup>1</sup>	95.4	106.1	118.4	130.2	144.7	3.6	11.6	10.0	11.1
Furniture, including mattresses and bed-springs	23.2	23.2	25.3	26.2	27.9	-	9.1	3.8	6.5
Kitchen, other household appliances	18.4	18.1	21.0	23.3	24.6	1.3	9.9	11.0	5.6
China, glassware, tableware, and utensils	10.6	11.0	12.0	12.5	12.8	1.2	9.1	4.2	2.4
Radio and television receivers <sup>2</sup>	20.4	29.1	34.4	42.0	51.6	12.6	18.2	22.1	22.9
Other durable goods	46.7	50.2	56.7	58.9	63.1	2.4	12.8	3.9	7.1
Nondurable goods	762.6	800.2	826.9	849.5	877.2	1.6	3.2	2.9	3.3
Food	384.9	414.0	422.8	436.5	444.9	1.6	2.1	3.2	1.9
Food purchased for off-premise consumption	272.4	286.1	292.0	302.5	305.9	1.8	1.4	3.8	1.1
Purchased meals and beverages	115.1	118.2	122.9	126.0	130.9	.8	4.0	2.5	3.9
Food furnished employees <sup>3</sup>	7.5	7.7	7.9	8.0	8.1	.8	2.6	1.3	1.2
Clothing and shoes	114.6	132.6	142.2	147.9	158.0	4.9	7.2	4.0	6.8
Shoes	16.3	20.1	21.2	22.5	24.0	3.2	5.5	6.1	6.7
Women's and children's clothing and accessories <sup>4</sup>	61.5	74.9	81.2	84.6	91.2	6.8	8.4	4.2	7.8
Men's and boys' clothing and accessories <sup>4</sup>	35.0	37.6	38.7	40.8	42.8	2.3	5.9	2.8	4.9
Gasoline and oil	86.4	93.2	94.5	98.5	100.3	1.8	1.4	2.1	3.9
Fuel oil and coal	21.8	18.6	18.5	18.9	21.5	-4.8	-5	2.2	13.8
Other nondurable goods <sup>1</sup>	142.9	141.8	147.8	149.7	152.6	-3	4.2	1.3	1.9
Tobacco products	24.9	23.7	24.0	23.8	23.7	-1.8	1.3	-8	-4
Toilet articles and preparations	19.6	19.2	20.0	20.3	20.7	-7	4.2	1.5	2.0
Semidurable house furnishings	11.8	11.5	12.0	12.2	12.6	-3	4.3	1.7	4.9
Cleaning and polishing preparations, etc.	23.4	22.9	23.8	23.8	24.3	-7	3.9	-	2.1
Drug preparations and sundries	23.0	22.6	22.6	22.3	22.3	-7	.4	-1.3	-
Nondurable toys and sport supplies	15.9	18.0	19.9	21.0	21.8	4.2	10.6	5.5	3.8
Services	991.9	1,082.7	1,100.3	1,150.4	1,189.8	2.3	3.5	4.8	3.4
Housing <sup>1</sup>	312.6	325.4	333.0	341.0	350.0	1.4	2.3	2.4	2.6
Owner-occupied nonfarm dwellings—space rent	212.0	220.5	226.1	230.5	236.0	1.3	2.6	1.9	2.4
Tenant-occupied nonfarm dwellings rent	73.8	79.8	81.9	85.7	89.5	2.7	2.5	4.8	4.4
Rental value of farm dwellings	14.3	12.5	12.1	11.7	11.4	-4.4	-3.2	-3.3	-2.6
Household operation <sup>1</sup>	142.8	146.2	148.8	151.0	151.3	.8	1.6	1.5	.2
Electricity	47.0	49.4	50.4	52.2	52.9	1.7	2.0	3.6	1.3
Gas	36.0	24.7	24.9	25.2	23.9	-1.7	.8	1.2	-5.2
Water and other sanitary services	11.7	12.3	12.9	13.4	13.6	1.7	4.9	3.8	1.5
Telephone and telegraph	33.8	35.7	34.3	33.5	33.5	2.0	-3.4	-2.9	-
Domestic service	7.8	8.4	9.1	9.2	8.4	3.4	8.3	1.1	2.2
Transportation	77.4	71.4	75.9	81.0	84.4	-2.7	6.3	6.7	4.2
User-operated transportation	48.0	47.0	50.0	53.8	56.9	-7	8.4	7.8	3.9
Purchased local transportation	7.5	6.4	6.4	6.5	6.5	-6.1	-	1.6	-
Purchased intercity transportation <sup>1</sup>	21.8	18.0	19.5	20.7	22.0	-6.3	6.3	6.2	6.3
Railway (excluding commutation)	.5	.5	.5	.5	.5	-	-	-	-
Bus	1.5	1.1	1.0	1.0	.8	-9.8	-9.1	-	-20.0
Airline	18.7	15.1	16.5	17.6	19.0	-6.9	6.3	6.7	8.0
Medical care	200.8	222.3	232.0	240.8	251.9	3.5	4.4	3.8	4.8
Physicians	50.9	56.7	58.2	60.1	61.3	3.7	2.6	3.3	2.0
Dentists	16.2	17.4	17.2	17.3	17.4	2.4	-1.1	.6	.6
Other professional services	16.6	21.8	28.0	29.7	32.6	9.5	19.3	14.2	10.4
Privately controlled hospitals and similar units	100.9	112.0	115.7	118.2	124.0	3.6	3.3	2.2	4.8
Health insurance	16.0	14.5	14.9	15.5	16.4	-3.2	2.6	4.0	5.8
Other <sup>1</sup>	256.8	297.4	310.7	336.6	352.3	4.7	4.5	8.3	4.7
Personal care <sup>1</sup>	25.0	26.6	27.0	28.4	29.6	2.1	1.5	5.2	4.2
Cleaning, storage, repair of clothes and shoes	7.7	7.2	7.7	7.7	7.8	-2.2	6.9	-	-1.3
Barbershops, beauty parlors, baths, health clubs	12.4	13.2	13.3	13.9	14.6	2.1	.8	4.5	5.0
Personal business <sup>1</sup>	111.2	124.4	127.4	139.3	148.2	3.8	2.4	9.3	6.4
Brokerage charges and investment counseling	9.0	11.8	11.3	15.5	20.3	9.4	-4.2	37.2	31.0
Recreation	46.1	59.2	61.5	67.9	67.9	7.2	3.9	7.5	2.7
Private education and research <sup>1</sup>	31.6	34.3	35.8	38.2	40.1	2.6	4.4	6.7	5.0
Higher education	11.7	12.6	12.8	13.5	13.5	2.2	2.4	5.5	-
Elementary and secondary schools	10.8	11.3	11.6	12.3	12.8	1.5	2.7	8.0	4.1
Religious and welfare activities	42.0	46.4	49.3	52.0	56.2	3.4	6.2	5.5	8.1

- Represents zero. <sup>1</sup> Includes expenditures not shown separately. <sup>2</sup> Includes musical instruments and records. <sup>3</sup> Includes military and food produced and consumed on farms. <sup>4</sup> Except shoes.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987 issue.

## No. 678. PERSONAL INCOME AND ITS DISPOSITION: 1970 TO 1986

(In billions of dollars, except percent. For definition of personal income, see text, section 14)

ITEM	1970	1980	1981	1982	1983	1984	1985	1986
Personal income.....	831.8	2,288.5	2,288.9	2,670.8	2,838.8	3,108.7	3,327.0	3,584.9
Wage and salary disbursements.....	551.5	1,372.0	1,510.3	1,588.1	1,678.6	1,838.6	1,974.9	2,088.1
Commodity-producing industry <sup>1</sup> .....	203.7	470.7	512.2	511.7	523.1	577.6	608.2	623.3
Manufacturing.....	158.4	355.6	386.7	384.0	397.4	439.1	460.9	470.5
Distributive industries <sup>2</sup> .....	131.2	335.5	368.8	364.2	404.2	442.8	473.0	497.1
Service industries <sup>3</sup> .....	98.4	305.8	348.9	364.4	425.1	472.1	520.4	573.9
Government and government enterprises.....	117.1	280.2	284.4	305.9	324.9	348.1	372.9	384.8
Other labor income.....	32.5	136.4	150.3	189.6	173.6	182.9	182.3	201.1
Proprietors' income <sup>4</sup> .....	80.2	180.7	186.6	175.5	190.9	234.5	257.3	280.8
Rental income of persons <sup>5</sup> .....	18.2	6.6	13.3	13.6	13.2	8.5	8.0	16.7
Personal dividend income.....	22.2	52.9	61.3	63.9	68.7	75.5	78.3	81.2
Personal interest income.....	69.3	271.9	335.4	389.7	393.1	444.7	476.5	497.8
Transfer payments.....	85.9	324.7	368.1	410.8	442.6	456.6	488.7	518.3
Old-age survivors disability and health insurance benefits.....	38.5	154.2	182.0	204.5	221.7	236.7	253.4	288.2
Other.....	47.5	170.5	186.2	206.1	220.9	220.9	235.3	248.2
Less: Personal contributions for social insurance.....	27.9	88.6	104.5	112.3	120.1	132.7	148.9	158.8
Less: Personal tax and nontax payments.....	116.2	340.5	389.3	409.3	410.5	440.2	486.9	512.2
Equals: Disposable personal income.....	715.6	1,918.0	2,127.6	2,261.4	2,428.1	2,668.6	2,841.1	3,022.1
Less: Personal outlays <sup>6</sup> .....	857.9	1,781.1	1,988.1	2,107.5	2,297.4	2,504.5	2,714.1	2,891.5
Personal consumption expenditures.....	840.0	1,732.6	1,915.1	2,050.7	2,234.5	2,430.5	2,628.4	2,798.8
Interest paid by consumers.....	18.7	47.4	62.0	55.5	61.9	72.5	82.7	88.8
Personal transfer payments to foreigners.....	1.2	1.1	1.0	1.3	1.0	1.5	2.0	1.7
Equals: Personal saving.....	57.7	136.9	156.4	153.9	130.6	164.1	127.1	130.8
Percent of disposable personal income.....	8.1	7.1	7.5	6.8	5.4	6.1	4.5	4.3
Real disposable personal income <sup>7</sup> .....	1,088.1	2,214.3	2,248.6	2,281.5	2,331.9	2,489.8	2,542.2	2,548.1
Annual percent change <sup>8</sup> .....	4.1	1	1.5	.8	3.1	6.9	2.9	4.0
PERCENT DISTRIBUTION								
Personal income.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wage and salary disbursements.....	66.3	60.7	66.9	59.4	59.1	59.1	59.4	58.1
Other labor income.....	3.9	6.1	6.0	6.1	6.1	5.9	5.8	5.7
Proprietors' income <sup>4</sup> .....	9.6	8.0	7.4	6.6	6.7	7.5	7.7	8.2
Rental income of persons <sup>5</sup> .....	2.2	.3	.5	.5	.5	.3	.3	.5
Personal dividend income.....	2.7	2.3	2.4	2.4	2.4	2.4	2.3	2.3
Personal interest income.....	8.3	12.0	13.3	13.8	13.8	14.3	14.3	14.1
Transfer payments <sup>9</sup> .....	10.3	14.4	14.6	15.4	15.6	14.7	14.7	14.7
Personal contributions for social insurance.....	-3.4	-3.9	-4.1	-4.2	-4.2	-4.3	-4.5	-4.5

<sup>1</sup> Comprises agriculture, forestry, fisheries, mining, construction, and manufacturing. <sup>2</sup> Comprises transportation, communication, electric, gas, and sanitary services; and trade. <sup>3</sup> Comprises finance, insurance, and real estate services; and rest of the world. <sup>4</sup> With capital consumption and inventory valuation adjustments. <sup>5</sup> With capital consumption adjustment. <sup>6</sup> Includes personal transfer payments to foreigners (net) not shown separately. <sup>7</sup> 1982 prices. <sup>8</sup> Represents average for period of intervals shown here; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-82*, and *Survey of Current Business*, July 1987 issue.

## No. 679. GROSS SAVING AND INVESTMENT: 1970 TO 1986

(In billions of dollars)

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
Gross saving.....	184.7	238.7	408.8	458.4	445.0	532.8	448.4	483.8	598.6	631.8	632.8
Gross private saving.....	184.5	303.6	408.0	445.6	478.4	550.5	557.1	592.2	673.5	684.2	679.8
Personal saving.....	57.7	104.8	110.2	118.1	136.9	156.4	153.9	130.6	164.1	127.1	130.8
Undistributed corporate profits <sup>1</sup> .....	17.9	37.1	69.0	62.0	37.7	43.2	20.0	65.0	84.0	99.8	98.8
Undistributed profits.....	19.2	54.3	105.2	119.1	97.8	81.8	38.8	68.9	87.0	48.8	40.0
Inventory valuation adjustment.....	-5.6	-11.0	-25.3	-43.2	-43.1	-24.2	-10.4	-10.9	11.8	-7	6.6
Capital consumption adjustment.....	5.2	-6.2	-10.8	-14.0	-16.6	-14.4	-9.2	17.0	32.7	53.5	48.0
Corporate CCA <sup>2</sup> .....	52.0	96.4	137.2	158.3	181.4	210.7	235.0	242.7	254.5	268.1	282.8
Noncorporate CCA <sup>3</sup> .....	38.9	85.4	92.7	107.4	122.4	137.1	148.2	163.9	160.6	188.5	173.8
Government surplus or deficit ( ) <sup>4</sup> .....	-10.6	-64.9	-4	11.5	-34.5	-29.7	-110.8	-128.6	-106.0	-132.8	-147.8
Federal.....	-12.4	-68.4	-29.3	-16.1	-61.9	-63.8	-145.9	-176.0	-188.6	-188.0	-204.7
State and local.....	1.8	4.5	29.9	27.6	26.8	34.1	35.1	47.5	64.6	63.1	58.9
Capital grants received by U.S. (net).....	0	-	-	1.1	1.2	1.1	-	-	-	-	-
Gross investment.....	153.6	241.2	408.7	457.4	450.0	526.1	446.3	486.6	573.9	625.7	627.1
Gross private domestic investment.....	148.8	219.6	416.8	454.8	437.0	515.5	447.3	502.3	664.8	641.6	671.9
Net foreign investment.....	4.8	21.6	10.1	2.6	13.0	10.6	-1.0	-33.5	-90.8	-115.9	-143.8
Statistical discrepancy.....	-1.1	2.5	-1.9	-1.0	4.9	4.1	-1	5.2	5.4	-5.8	-4.9

- Represents zero. <sup>1</sup> With inventory valuation and capital consumption adjustment.

<sup>2</sup> Capital consumption allowances with capital consumption adjustment. <sup>3</sup> National Income and product accounts basis.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-82*, and *Survey of Current Business*, July 1987 issue.

NO. 688. DISPOSABLE PERSONAL INCOME PER CAPITA IN CURRENT AND CONSTANT (1982)

DOLLARS—STATES: 1980 TO 1986

[For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	CURRENT DOLLARS						CONSTANT (1982) DOLLARS			
	1980	1984	1985	1986	Income rank		1980	1984	1985	1986
					1980	1986				
<b>U.S.</b>	8,424	11,258	11,578	12,531	(x)	(x)	9,705	10,414	10,813	10,864
<b>Regions:</b>										
Northeast	8,905	12,412	13,146	14,085	(x)	(x)	10,328	11,482	11,748	12,334
Midwest	8,829	11,644	12,298	13,085	(x)	(x)	10,172	10,771	10,980	11,488
South	9,273	13,295	14,193	14,948	(x)	(x)	10,883	12,289	12,884	13,088
West	11,683	16,470	17,703	18,948	(x)	(x)	13,472	15,236	15,821	16,501
<b>New England</b>	8,896	12,744	13,808	14,575	(x)	(x)	10,295	11,788	12,078	12,783
Maine	7,224	9,801	10,386	11,106	36	32	8,323	9,087	9,264	9,725
New Hampshire	8,524	12,236	12,971	13,891	15	9	9,820	11,319	11,582	12,184
Vermont	7,411	9,967	10,603	11,354	36	29	8,538	9,239	9,475	9,842
Massachusetts	8,928	12,913	13,789	14,838	13	4	10,283	11,945	12,305	12,981
Rhode Island	8,129	11,434	11,986	12,834	28	15	9,365	10,577	10,883	11,238
Connecticut	10,198	14,534	15,305	16,572	2	1	11,747	13,445	13,677	14,588
<b>Middle Atlantic</b>	8,975	12,300	13,034	13,818	(x)	(x)	10,340	11,378	11,838	12,187
New York	8,983	12,483	13,172	14,070	10	7	10,328	11,557	11,771	12,320
New Jersey	9,828	13,918	14,791	15,927	4	2	11,323	12,875	13,218	13,847
Pennsylvania	8,462	10,990	11,674	12,403	16	21	9,748	10,167	10,433	10,861
<b>East North Central</b>	8,548	11,187	11,776	12,468	(x)	(x)	9,846	10,330	10,524	10,918
Ohio	8,276	10,841	11,404	12,015	24	24	9,535	10,029	10,191	10,521
Indiana	7,977	10,241	10,882	11,291	31	30	9,075	9,474	9,548	9,887
Illinois	9,154	12,120	12,741	13,518	8	9	10,548	11,212	11,388	11,837
Michigan	8,823	11,119	11,879	12,588	14	18	9,934	10,288	10,616	11,032
Wisconsin	8,318	10,761	11,348	12,055	20	22	9,581	9,955	10,141	10,556
<b>West North Central</b>	8,875	10,784	11,388	12,183	(x)	(x)	9,803	9,978	10,157	10,651
Minnesota	8,410	11,302	11,883	13,117	17	11	9,889	10,455	10,628	11,488
Iowa	8,013	10,331	10,807	11,540	27	27	9,232	9,567	9,658	10,108
Missouri	7,952	10,849	11,324	11,833	28	28	9,181	9,851	10,120	10,449
North Dakota	7,339	10,317	10,583	11,100	37	37	8,465	9,544	9,458	9,720
South Dakota	7,323	9,505	10,032	10,730	38	34	8,437	8,793	8,985	9,385
Nebraska	7,871	10,763	11,429	12,051	32	23	9,088	9,957	10,214	10,563
Kansas	8,387	11,233	11,771	12,500	18	20	9,882	10,381	10,519	10,888
<b>South Atlantic</b>	7,782	10,883	11,287	11,838	(x)	(x)	8,985	9,888	10,067	10,484
Delaware	8,251	11,046	11,734	12,745	25	17	9,508	10,218	10,488	11,180
Maryland	8,880	12,487	13,402	14,091	11	6	10,323	11,551	11,977	12,338
District of Columbia	10,248	14,122	15,202	15,955	(x)	(x)	11,806	13,084	13,585	13,871
Virginia	8,287	11,482	12,271	12,993	23	13	9,547	10,831	10,988	11,377
West Virginia	6,773	8,355	8,810	9,479	48	49	7,803	7,729	7,873	8,300
North Carolina	8,818	9,517	9,915	10,543	45	37	7,865	8,804	8,861	9,232
South Carolina	6,503	8,812	9,238	9,885	48	48	7,492	8,152	8,256	8,481
Georgia	7,080	9,938	10,588	11,122	41	31	8,188	9,193	9,444	9,739
Florida	8,285	11,254	11,894	12,575	19	19	9,880	10,411	10,629	11,012
<b>East South Central</b>	6,989	8,888	9,306	9,722	(x)	(x)	7,787	8,148	8,227	8,513
Kentucky	6,848	8,884	9,271	9,833	43	40	8,005	8,311	8,285	8,688
Tennessee	6,888	9,339	9,830	10,395	42	39	8,051	8,638	8,785	9,102
Alabama	6,574	8,736	9,162	9,591	47	48	7,574	8,081	8,188	8,388
Mississippi	5,954	7,705	8,044	8,395	50	50	6,859	7,128	7,189	7,351
<b>West South Central</b>	7,819	10,424	10,908	10,819	(x)	(x)	8,123	8,843	9,748	8,588
Arkansas	6,483	8,599	9,200	9,857	49	43	7,489	7,955	8,222	8,831
Louisiana	7,408	9,559	9,809	9,827	38	45	8,532	8,843	8,785	8,805
Oklahoma	7,841	9,957	9,893	9,837	29	44	9,149	9,211	8,941	8,814
Texas	8,296	11,027	11,859	11,589	22	27	9,558	10,201	10,419	10,130
<b>Mountain</b>	8,084	10,412	10,843	11,380	(x)	(x)	8,325	8,832	8,778	9,847
Montana	7,693	9,347	9,886	10,448	33	38	8,883	8,847	8,556	9,147
Idaho	7,452	9,157	9,541	9,873	34	42	8,585	8,471	8,526	8,845
Wyoming	9,421	10,289	10,825	10,875	6	38	10,854	9,500	9,574	9,348
Colorado	8,943	12,153	12,540	12,785	12	11	10,303	11,242	11,208	11,178
New Mexico	7,143	8,982	9,716	9,880	40	41	8,229	8,290	8,683	8,880
Arizona	7,933	10,485	11,137	11,787	30	26	9,139	9,881	9,953	10,304
Utah	6,878	8,751	9,172	9,685	44	47	7,821	8,095	8,187	8,483
Nevada	9,714	11,780	12,447	13,071	5	12	11,191	10,867	11,123	11,448
<b>Pacific</b>	9,867	12,851	13,351	14,058	(x)	(x)	11,126	11,703	11,831	12,318
Washington	9,218	11,919	12,531	13,184	7	10	10,618	11,028	11,188	11,563
Oregon	8,301	10,413	10,849	10,728	21	35	9,583	9,833	9,885	9,382
California	9,876	12,999	13,737	14,553	3	5	11,378	12,025	12,275	12,743
Alaska	11,588	15,433	15,961	15,453	1	3	13,327	14,277	14,264	13,532
Hawaii	9,084	11,480	12,198	12,882	9	14	10,442	10,820	10,899	11,280

X Not applicable.

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, August issues; and unpublished data.

## NO. 681. PERSONAL INCOME IN CURRENT AND CONSTANT (1982) DOLLARS—STATES: 1970 TO 1986

[1986 preliminary. Represents a measure of income received from all sources during the calendar year by the residents of each State. Data exclude Federal employees overseas and, for 1980, U.S. residents employed by private U.S. firms on temporary foreign assignment. Totals may differ from those in tables 672, 673, and 678. See text, section 14. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	CURRENT DOLLARS (bil. dol.)				CONSTANT (1982) DOLLARS								
	1970	1980	1985	1986	Total				Percent change			Percent of U.S.	
					1970	1980	1985	1986	1970-1980	1980-1985	1985-1986	1970	1986
U.S.	825.5	2,264.1	2,320.1	2,529.5	1,646.8	2,596.9	2,699.7	2,899.9	49.8	14.4	4.9	100.0	100.0
Region:													
Northeast	223.8	521.5	776.8	834.0	500.7	800.8	864.8	729.7	20.0	15.7	5.0	27.1	23.6
Midwest	229.4	584.4	804.1	849.7	512.1	873.3	719.2	743.4	31.2	8.8	3.4	27.9	24.1
South	218.5	677.4	1,033.1	1,086.6	488.9	780.4	924.1	963.2	59.6	18.4	3.2	26.5	30.9
West	153.9	470.8	706.1	758.3	344.2	542.3	831.5	881.7	57.8	18.5	4.8	18.8	21.4
N.E.	82.8	138.4	201.7	216.8	118.1	180.2	180.8	191.3	27.2	20.1	6.9	6.4	6.1
ME	3.4	9.3	13.8	15.0	7.8	10.7	12.4	13.1	40.6	15.8	6.3	.4	.4
NH	2.9	9.1	14.8	15.3	8.5	10.4	13.3	14.3	61.5	27.4	7.7	.3	.4
VT	1.6	4.4	8.7	7.2	3.8	5.1	5.9	6.3	40.7	17.4	6.3	.2	.2
MA	25.8	61.0	95.4	103.4	57.8	70.2	85.3	90.4	21.9	21.5	8.0	3.1	2.9
RI	3.9	9.0	13.2	14.2	8.8	10.4	11.8	12.4	20.6	13.8	5.1	.5	.4
CT	15.3	37.7	57.8	62.5	34.2	43.4	51.7	54.7	28.8	19.1	5.8	1.9	1.7
M.A.	171.0	391.1	675.1	615.4	382.8	489.8	514.4	536.4	17.8	14.2	4.7	20.7	17.3
NY	88.7	188.3	282.9	304.1	188.5	218.9	283.1	288.1	9.3	16.7	5.1	10.7	8.5
NJ	34.6	86.4	131.5	141.9	77.3	98.4	117.7	124.2	27.3	19.6	5.5	4.2	4.0
PA	47.7	117.5	180.6	189.4	106.8	135.3	143.7	148.2	28.7	8.2	3.2	5.8	4.8
E.M.C.	167.4	438.3	571.7	603.6	374.5	484.3	511.4	538.3	29.3	6.6	3.3	26.3	17.8
OH	43.0	106.0	142.7	148.8	96.3	121.0	127.6	131.1	25.7	5.5	2.7	5.2	4.3
IN	18.8	50.8	68.4	72.3	43.9	68.5	61.2	63.3	33.3	4.5	3.4	2.4	2.1
IL	50.8	124.0	170.6	180.1	113.8	142.9	152.6	157.5	25.8	6.8	3.2	8.1	5.1
MN	36.8	94.1	127.3	135.1	82.3	108.4	113.8	118.2	31.8	5.0	3.8	4.5	3.6
WI	17.2	48.4	62.8	68.8	38.5	53.5	58.2	60.2	38.9	5.1	3.7	2.1	1.9
W.M.C.	82.0	164.1	232.4	245.9	126.7	188.6	207.9	215.2	38.3	10.0	3.8	7.5	7.9
MN	15.2	41.1	59.3	63.2	34.1	47.4	53.0	55.3	38.9	12.0	4.2	1.8	1.8
IA	10.8	27.8	38.1	38.1	24.1	32.0	32.2	33.3	32.1	.8	3.3	1.3	1.1
MO	17.8	45.8	68.1	68.9	39.9	52.7	68.1	61.1	32.1	12.1	3.4	2.2	2.0
ND	1.9	5.8	8.2	8.5	4.3	6.4	7.3	7.4	13.8	13.5	1.4	.2	.2
SD	2.1	5.7	7.8	8.4	4.8	6.5	7.0	7.3	37.1	6.8	4.7	.3	.3
NE	5.8	14.8	20.9	22.0	12.5	18.8	18.7	19.2	34.3	11.4	2.6	.7	.9
KS	5.5	23.8	34.1	36.0	19.0	27.1	30.6	31.5	43.2	12.3	3.5	1.0	1.0
S.A.	113.8	348.8	534.8	578.3	254.8	382.4	478.5	504.2	54.2	21.8	5.4	13.8	16.1
DE	2.5	8.3	8.9	9.5	5.7	7.0	8.0	8.3	24.3	13.4	4.4	.3	.3
MD	17.8	45.7	70.1	75.3	39.4	52.8	62.7	65.9	33.5	19.1	5.1	2.1	2.1
DC	4.0	7.8	11.4	12.1	8.9	9.0	10.2	10.6	1.7	13.5	3.8	.5	.3
VA	17.4	52.7	82.8	89.2	39.0	60.7	73.8	78.0	55.8	21.6	5.7	2.1	2.5
WV	5.4	15.5	19.5	20.3	12.0	17.8	17.5	17.8	48.1	-1.9	1.7	.7	.8
NC	16.5	47.2	73.2	78.9	38.8	54.4	65.5	68.9	47.2	20.4	5.3	2.0	2.2
SC	7.8	23.8	35.8	38.2	17.5	27.4	32.1	33.4	57.0	17.0	4.1	.9	1.1
GA	15.8	45.6	75.5	82.1	34.8	52.8	67.5	71.8	51.7	28.0	6.3	1.9	2.3
FL	27.0	98.1	157.9	171.0	80.4	110.7	141.3	148.6	63.3	27.6	5.9	3.3	4.8
S.E.C.	38.5	113.9	181.5	171.0	131.1	131.1	144.4	148.8	32.4	10.1	3.8	4.7	4.8
KY	10.2	29.4	40.1	41.9	22.7	33.9	35.9	36.7	48.1	6.0	2.2	1.2	1.3
TN	12.4	37.0	53.8	57.7	27.8	42.8	48.1	50.4	53.4	13.0	4.8	1.5	1.8
AL	10.2	30.1	43.3	45.9	22.7	34.6	38.7	40.2	52.4	11.8	3.8	1.2	1.3
MS	5.8	17.5	24.3	25.5	12.9	20.2	21.7	22.3	58.3	7.8	2.8	.7	.7
W.S.C.	86.3	222.9	398.7	342.1	148.2	298.8	301.2	299.3	73.2	17.3	-3.8	8.9	16.1
AR	5.5	17.1	24.9	26.3	12.2	19.7	22.3	23.0	61.5	13.0	3.2	.7	.8
LA	11.2	38.7	60.5	60.4	25.1	42.3	45.2	44.1	68.6	6.8	-2.5	1.4	1.3
OK	8.8	28.6	40.2	40.8	19.7	32.9	36.0	35.5	68.9	9.3	-1.3	1.1	1.2
TX	40.8	140.5	221.1	224.9	91.2	161.9	197.7	199.7	77.4	22.2	-5.8	4.8	6.7
Mt.	31.1	108.1	183.6	171.9	88.8	124.8	148.4	180.4	78.1	16.7	3.4	3.8	4.9
MT	2.5	7.0	9.1	9.7	5.5	8.1	8.2	8.5	47.5	.4	3.8	.3	.3
ID	2.5	8.1	10.9	11.3	5.8	9.4	9.8	9.8	68.4	4.1	1.0	.3	.3
WY	1.3	5.4	8.6	8.5	2.8	8.2	5.9	5.7	118.8	-4.9	-3.8	.2	.2
CO	9.0	30.8	47.5	48.8	20.0	35.5	42.5	43.5	77.4	19.8	2.5	1.1	1.4
NM	3.2	10.7	16.3	16.9	7.2	12.3	14.8	14.8	71.3	17.9	1.8	.4	.8
AZ	6.8	25.1	40.9	44.7	15.2	28.9	36.6	39.1	90.0	28.7	6.9	.8	1.2
UT	3.5	11.7	17.5	18.3	7.9	13.5	15.7	16.0	71.7	18.3	2.0	.4	.5
NV	2.4	9.3	13.8	14.9	5.4	10.7	12.3	13.0	98.0	15.7	5.6	.3	.4
Pac.	122.8	362.8	543.5	584.2	274.8	417.8	488.1	511.2	32.1	16.4	5.2	14.8	16.4
WA	14.2	44.8	82.3	87.0	31.8	51.4	55.7	58.6	61.3	8.5	5.2	1.7	1.9
OR	8.2	28.1	34.1	36.0	18.3	30.0	30.5	31.5	64.3	1.5	3.2	1.0	1.0
CA	95.0	278.1	422.7	458.1	212.8	316.1	378.1	398.0	48.8	18.9	5.8	11.5	12.7
AK	1.5	5.8	9.5	9.5	3.5	6.5	6.5	6.3	88.7	33.8	-3.8	.2	.3
HI	3.8	10.3	14.8	15.8	8.4	11.8	13.2	13.8	40.3	11.8	4.5	.5	.4

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, August issues; and unpublished data.

**NO. 682. PERSONAL INCOME PER CAPITA IN CURRENT AND CONSTANT (1962) DOLLARS—STATES:  
1970 TO 1966**

(See headnote, table 651)

REGION, DIVISION, AND STATE	CURRENT DOLLARS							CONSTANT (1962) DOLLARS				
	1970	1980	1984	1986	1988	Income rank		1970	1980	1984	1986	1988
						1980	1988					
U.S.	4,061	9,919	13,114	13,907	14,641	(x)	(x)	9,063	11,427	12,131	12,438	12,832
Region:												
Northeast	4,553	10,604	14,615	15,591	16,675	(x)	(x)	10,186	12,216	13,520	13,945	14,815
Midwest	4,047	9,920	12,952	13,582	14,326	(x)	(x)	9,055	11,428	11,899	12,148	12,556
South	3,467	8,944	11,905	12,817	13,128	(x)	(x)	7,757	10,304	11,013	11,285	11,508
West	4,401	10,842	13,839	14,784	15,610	(x)	(x)	9,847	12,491	12,894	13,205	13,594
New England	4,445	10,542	14,608	15,938	17,186	(x)	(x)	8,944	12,145	13,788	14,257	15,046
Maine	3,405	8,224	11,201	11,657	12,790	38	33	7,617	9,475	10,382	10,608	11,209
New Hampshire	3,890	9,789	13,801	14,860	15,911	23	8	8,702	11,278	12,787	13,292	13,945
Vermont	3,804	8,578	11,538	12,415	13,348	36	29	8,063	9,862	10,673	11,105	11,889
Massachusetts	4,514	10,812	15,288	16,393	17,722	12	4	10,088	12,226	14,152	14,663	15,532
Rhode Island	4,050	9,516	12,993	13,682	14,579	27	20	9,060	10,963	12,019	12,236	12,777
Connecticut	5,037	12,110	17,036	18,229	19,600	2	1	11,288	13,952	15,759	16,305	17,178
Middle Atlantic	4,698	10,824	14,518	15,472	16,608	(x)	(x)	10,364	12,340	13,439	13,839	14,488
New York	4,655	10,716	14,967	15,942	17,111	10	5	10,861	12,346	13,846	14,259	14,998
New Jersey	4,806	11,579	16,268	17,398	18,626	4	2	10,749	13,340	15,049	15,582	16,324
Pennsylvania	4,042	9,693	12,738	13,540	14,249	18	21	9,043	11,387	11,784	12,111	12,488
East North Central	4,161	10,079	12,980	13,737	14,467	(x)	(x)	9,286	11,812	12,007	12,278	12,879
Ohio	4,033	9,723	12,569	13,276	13,933	25	22	9,022	11,202	11,627	11,875	12,211
Indiana	3,771	9,248	11,845	12,431	13,136	31	32	8,436	10,654	10,957	11,119	11,513
Illinois	4,563	10,840	14,083	14,788	15,586	7	9	10,208	12,486	13,009	13,227	13,680
Michigan	4,133	10,185	13,001	14,003	14,775	15	17	9,246	11,711	12,027	12,525	12,949
Wisconsin	3,869	9,646	12,561	13,147	13,909	20	23	8,700	11,343	11,620	11,759	12,180
West North Central	3,791	9,539	12,546	13,398	13,992	(x)	(x)	8,481	10,963	11,806	11,841	12,383
Minnesota	3,995	10,062	13,402	14,147	14,894	16	15	8,937	11,582	12,398	12,664	13,141
Iowa	3,804	9,536	11,943	12,510	13,348	26	30	8,510	10,988	11,046	11,190	11,699
Missouri	3,808	9,296	12,366	13,121	13,789	29	24	8,521	10,710	11,456	11,736	12,085
North Dakota	3,129	8,539	11,521	11,934	12,472	37	35	7,000	9,838	10,858	10,674	10,931
South Dakota	3,200	8,216	10,569	11,034	11,814	40	38	7,159	9,468	9,793	9,899	10,354
Nebraska	3,759	9,272	12,312	13,042	13,742	30	25	8,409	10,682	11,389	11,665	12,044
Kansas	3,770	9,941	13,137	13,907	14,650	17	18	8,434	11,453	12,153	12,439	12,840
South Atlantic	3,994	9,171	12,488	13,362	14,088	(x)	(x)	8,294	10,998	11,832	11,896	12,346
Delaware	4,587	10,241	13,442	14,308	15,010	14	13	10,282	11,798	12,435	12,708	13,155
Maryland	4,476	10,809	14,849	15,948	16,864	8	7	10,011	12,453	13,736	14,265	14,780
District of Columbia	5,250	12,279	17,037	18,362	19,397	(x)	(x)	11,745	14,146	15,760	16,424	17,000
Virginia	3,743	9,818	13,498	14,477	15,406	21	11	8,374	11,311	12,487	12,949	13,504
West Virginia	3,078	7,816	9,880	10,079	10,576	46	49	6,886	9,120	8,965	9,015	9,269
North Carolina	3,236	7,998	11,001	11,685	12,436	44	36	7,239	9,214	10,177	10,452	10,901
South Carolina	3,004	7,587	10,171	10,749	11,299	48	43	6,720	8,741	9,409	9,614	9,903
Georgia	3,377	8,350	11,806	12,638	13,448	38	28	7,555	9,620	10,920	11,304	11,784
Florida	3,943	9,765	13,033	13,897	14,646	24	19	8,821	11,250	12,056	12,430	12,836
East South Central	2,997	7,789	10,127	10,889	11,243	(x)	(x)	6,795	8,929	9,366	9,543	9,864
Kentucky	3,141	8,018	10,340	10,759	11,236	43	44	7,027	9,237	9,585	9,623	9,849
Tennessee	3,151	8,027	10,635	11,284	12,002	42	38	7,049	9,248	9,838	10,093	10,519
Alabama	2,945	7,704	10,115	10,780	11,336	47	42	6,586	8,876	9,357	9,624	9,935
Mississippi	2,597	6,927	8,916	9,279	9,716	50	50	5,810	7,980	8,248	8,300	8,515
West South Central	3,416	9,326	12,681	12,888	12,736	(x)	(x)	7,847	10,743	11,178	11,349	11,181
Arkansas	2,827	7,470	9,955	10,553	11,073	49	47	6,324	8,806	9,209	9,439	9,706
Louisiana	3,071	8,682	10,948	11,267	11,193	34	46	6,870	10,002	10,126	10,078	9,810
Oklahoma	3,436	9,396	11,725	12,173	12,283	28	37	7,687	10,824	10,846	10,888	10,765
Texas	3,629	9,795	12,780	13,488	13,478	22	26	8,119	11,265	11,822	12,064	11,812
Mountain	3,726	9,442	12,646	12,784	13,269	(x)	(x)	8,339	10,679	11,142	11,263	11,571
Montana	3,528	8,924	10,826	11,031	11,803	33	40	7,893	10,281	10,015	9,867	10,344
Idaho	3,467	8,570	10,361	10,860	11,223	36	45	7,756	9,873	9,585	9,713	9,836
Wyoming	3,797	11,339	12,252	12,940	12,781	8	34	8,494	13,063	11,334	11,574	11,202
Colorado	4,025	10,597	14,082	14,883	15,234	13	12	9,004	12,209	13,036	13,133	13,351
New Mexico	3,145	8,174	10,500	11,210	11,422	41	41	7,038	9,417	9,713	10,027	10,011
Arizona	3,789	9,161	11,989	12,618	13,474	32	27	8,477	10,554	11,072	11,465	11,809
Utah	3,287	7,959	10,110	10,861	10,961	45	48	7,378	9,162	9,352	9,536	9,824
Nevada	4,878	11,421	13,825	14,713	15,437	5	10	10,913	13,158	12,789	13,160	13,529
Pacific	4,814	11,344	14,832	15,516	16,361	(x)	(x)	10,322	13,669	13,836	13,878	14,339
Washington	4,165	10,727	13,411	14,128	15,009	9	14	9,318	12,368	12,406	12,637	13,154
Oregon	3,889	9,864	12,048	12,687	13,329	19	31	8,700	11,364	11,145	11,348	11,661
California	4,746	11,603	15,087	16,036	16,904	3	6	10,617	13,368	13,966	14,343	14,815
Alaska	5,073	13,630	18,109	18,444	17,798	1	3	11,348	15,933	16,752	16,497	15,687
Hawaii	4,944	10,616	13,161	14,080	14,888	11	16	11,080	12,230	12,175	12,584	13,048

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues; and unpublished data.



### No. 683. PERCENT DISTRIBUTION AND AVERAGE ANNUAL PERCENT CHANGE OF SHARES OF NATIONAL INCOME, BY TYPE: 1970 TO 1986

[For definition of average annual percent change, see Guide to Tabular Presentation. See also headnote, table 674]

TYPE OF INCOME	PERCENT DISTRIBUTION						AVG. ANNUAL PERCENT CHANGE				
	1970	1975	1980	1984	1985	1986	1970-1979	1979-1985	1985-1986	1984-1985	1985-1986
National income, total.....	100.0	100.0	100.0	100.0	100.0	100.0	9.1	11.3	11.4	6.8	9.9
Compensation of employees.....	74.3	73.6	74.3	73.1	73.4	73.2	8.9	11.5	9.6	7.1	5.7
Wages and salaries.....	68.2	63.2	62.3	60.7	61.1	61.0	8.1	11.0	9.7	7.4	5.8
Supplements to wages, salaries.....	6.0	10.4	12.1	12.4	12.3	12.2	14.9	14.7	8.9	5.8	5.0
Proprietors' income <sup>1</sup> .....	9.8	9.7	8.2	7.7	8.0	8.5	9.4	7.8	22.6	9.7	12.6
Farm.....	1.8	2.0	.9	1.0	.9	1.1	11.8	-4.2	-146.0	-2.8	25.3
Nonfarm.....	7.9	7.8	7.3	6.7	7.0	7.4	6.9	9.9	14.9	11.8	11.0
Rental income of persons <sup>2</sup> .....	2.2	1.0	.3	.3	.3	.5	-5.8	-13.3	-35.6	5.9	85.8
Corporate profits <sup>3</sup> .....	9.0	9.1	8.0	8.8	8.8	8.3	9.5	8.5	24.9	4.0	2.4
Profits before tax.....	9.1	10.5	10.8	7.9	7.0	6.8	12.1	12.0	15.8	-6.3	3.2
Profits after tax.....	5.0	6.5	8.9	4.8	4.0	3.7	15.0	12.7	12.0	-12.3	-1.0
Inventory valuation adjustment.....	- .8	- .9	-2.0	- .2	(- .2)	.2	(0)	(0)	(0)	(0)	(0)
Capital consumption adjustment.....	.9	.5	.8	1.1	1.7	1.3	(0)	(0)	82.4	63.6	-14.0
Net interest.....	4.9	6.5	9.1	10.1	9.8	9.5	15.3	19.1	8.5	3.4	3.4

X Not applicable. Z Less than .05 percent. <sup>1</sup> See footnote 1, table 674. <sup>2</sup> See footnote 2, table 674.

Source: Compiled by U.S. Bureau of the Census; based on data from U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987 issue.

### No. 684. FLOW OF FUNDS ACCOUNTS—COMPOSITION OF INDIVIDUALS' SAVINGS: 1970 TO 1986

[In billions of dollars. Combined statement for households, farm and nonfarm, noncorporate business, nonprofit organizations, and personal trusts. Minus sign (-) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series F 588-594, for similar but not exactly comparable data]

COMPOSITION OF SAVINGS	1970	1975	1980	1981	1982	1983	1984	1985	1986
Increase in financial assets.....	82.4	171.7	333.7	363.7	402.3	468.3	551.7	588.5	514.1
Checkable deposits and currency.....	5.8	5.9	12.8	30.0	19.3	39.5	19.1	45.1	88.7
Time and savings deposits.....	43.6	76.5	126.2	86.2	126.7	196.6	224.6	140.0	109.3
Money market fund shares.....	-	1.3	29.2	107.5	24.7	-44.1	47.2	-2.2	20.8
Securities.....	-2	6.2	13.3	14.6	75.2	104.8	99.8	180.2	107.4
U.S. savings bonds.....	.3	4.0	-7.3	-4.3	.2	9.1	3.0	5.3	13.8
Other U.S. Treasury securities.....	-11.3	12.8	27.0	36.1	53.3	63.6	71.8	-10.3	-65.8
U.S. Government agency securities.....	6.4	-4.7	7.0	11.4	2.2	6.2	36.4	65.8	39.4
Tax-exempt obligations.....	- .9	6.2	7.0	11.0	24.7	37.6	28.7	59.4	14.9
Corporate and foreign bonds.....	10.7	6.9	-11.7	-4.0	2.0	-12.7	-3.4	13.2	12.3
Open-market paper.....	-3.7	-11.6	-2.2	-8.6	-9.2	4.4	- .5	47.8	-3.1
Mutual fund shares.....	2.6	-1	4.5	6.0	16.8	32.1	36.0	103.4	191.7
Other corporate equities.....	4.3	-7.3	-10.8	-34.9	-14.7	-17.3	-74.3	-104.2	-115.4
Private life insurance reserves.....	5.2	7.9	9.7	8.9	7.0	7.8	5.0	10.4	10.2
Private insured pension reserves.....	2.8	8.7	22.3	29.5	39.7	40.2	45.2	63.4	68.8
Private noninsured pension reserves.....	6.9	39.8	51.2	37.8	36.7	48.7	20.3	10.2	4.9
Government insurance and pension reserves.....	8.8	15.1	35.3	39.7	43.9	53.5	63.9	65.5	66.1
Miscellaneous financial assets.....	6.3	11.1	33.5	29.4	29.1	19.2	26.9	46.9	31.0
Gross investment in tangible assets.....	180.4	236.4	403.8	467.9	434.2	506.2	606.4	641.5	688.5
Owner-occupied homes.....	28.1	51.9	113.8	111.2	69.9	124.9	154.5	162.0	178.7
Other fixed assets <sup>1</sup> .....	36.4	45.2	79.7	94.5	95.0	99.9	109.8	116.2	129.2
Consumer durables.....	65.7	136.4	219.3	239.9	252.7	299.1	331.2	359.3	399.1
Inventories <sup>1</sup> .....	.4	4.0	-9.1	12.3	-3.4	-7.6	12.9	4.1	3.5
Capital consumption allowances.....	102.8	172.0	311.1	341.1	368.1	381.9	401.3	426.8	451.4
Owner-occupied homes.....	13.5	24.4	47.0	51.4	54.3	57.0	59.9	63.9	67.0
Other fixed assets <sup>1</sup> .....	23.7	41.6	76.8	87.1	95.5	96.4	102.9	106.7	108.7
Consumer durables.....	65.6	107.0	187.4	202.5	215.4	226.4	238.5	255.9	274.8
Net investment in tangible assets.....	47.5	63.4	92.4	116.8	96.8	123.3	207.1	214.5	240.1
Owner-occupied homes.....	14.6	27.5	66.8	59.7	35.6	67.8	94.6	96.1	111.7
Other fixed assets <sup>1</sup> .....	12.7	3.6	3.0	7.4	.4	.4	6.9	9.5	19.6
Consumer durables.....	19.9	28.4	31.9	37.4	37.2	62.7	92.7	102.9	113.3
Inventories <sup>1</sup> .....	.4	4.0	-9.1	12.3	-3.4	-7.6	12.9	4.1	3.5
Net increase in debt <sup>2</sup> .....	41.4	79.7	177.2	179.1	146.4	279.8	336.5	399.9	392.6
Mortgage debt on nonfarm homes.....	13.4	36.2	96.4	75.0	48.5	110.4	129.3	146.4	195.5
Other mortgage debt <sup>1</sup> .....	16.8	16.4	33.1	36.2	37.1	69.1	67.9	85.7	101.0
Consumer credit.....	5.5	9.1	4.5	22.6	17.7	56.8	95.0	95.8	85.8
Security credit.....	1.8	.7	6.5	-1.7	3.8	6.4	-3.1	16.7	6.2
Other debt <sup>1</sup> .....	5.4	8.6	30.1	39.5	28.1	33.9	27.0	45.7	24.3
Individuals' saving.....	88.5	158.5	246.0	301.5	339.8	312.0	422.3	391.2	388.6
Less: Government insurance and pension reserves.....	8.9	15.1	35.3	29.7	43.9	53.5	63.9	66.5	66.1
Net investment in consumer durables.....	19.9	28.4	31.9	37.4	37.2	62.7	92.7	102.9	113.3
Capital gains dividends from mutual funds.....	.9	.2	1.8	2.7	2.4	4.4	6.0	4.8	17.5
Net saving by farm corporations.....	(2)	.5	.5	.2	.5	.6	.7	1.2	1.0
Equals: Personal saving, flow of funds base <sup>3</sup> .....	88.5	114.3	179.5	221.4	247.8	199.5	399.0	396.7	199.7

- Represents zero. Z Less than \$50 million. <sup>1</sup> Includes corporate farms. <sup>2</sup> Includes items not shown separately.

<sup>3</sup> Personal saving on national income account basis measures personal saving as income less taxes and consumption; flow-of-funds basis measures the same concept from acquisition of assets less borrowing.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts*, quarterly.

# **1. 685. ANNUAL GROWTH RATES OF REAL GROSS DOMESTIC PRODUCT—INTERNATIONAL COMPARISONS, SELECTED PERIODS: 1950-85 TO 1984-85**

percent. See also *Historical Statistics, Colonial Times to 1970*, series F 10-16. Minus sign ( - ) indicates decline]

TRY	1950-55	1955-70	1970-75	1975-80	1975-77	1977-79	1979-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
OECD	3.1	3.8	2.1	2.7	4.5	5.1	2.0	-	2.1	-2.5	3.4	6.8	2.9
U.S.	1.8	2.5	1.1	1.6	3.5	4.0	.9	1.1	1.0	3.5	2.4	5.6	1.9
Japan	4.5	5.2	5.2	4.6	3.8	4.6	3.9	1.5	3.7	3.3	3.1	5.8	3.9
FR	2.8	3.3	3.9	3.3	2.4	3.5	2.9	.2	2.4	-4.5	2.1	4.8	3.0
UK	4.1	5.6	4.0	3.8	3.1	3.8	3.3	1.1	.5	1.8	.7	1.5	1.1
West Germany	3.3	4.5	3.2	3.0	2.6	3.3	2.9	.5	-1	1.2	.3	1.1	.7
Italy	4.2	5.7	2.4	3.1	1.9	2.7	4.9	3.9	.2	.5	.2	2.6	2.3
Spain	13.6	5.0	1.7	2.6	1.8	2.0	4.6	3.7	-	-8	-5	2.6	2.1
Sweden	7.1	10.5	4.3	4.6	5.3	5.1	5.2	4.4	3.9	2.8	3.2	5.0	4.5
Netherlands	6.0	9.3	2.9	3.4	4.3	4.1	4.3	3.6	3.1	2.2	2.4	4.3	3.9
Belgium	2.4	2.8	2.2	1.9	1.1	3.5	2.2	-2.3	-1.2	1.0	3.8	2.2	3.7
Australia	2.1	2.2	2.0	1.8	1.1	3.6	2.1	-2.4	-1.3	1.0	3.7	1.9	3.5
Canada	4.5	4.5	2.1	2.7	3.0	2.9	4.2	1.4	.2	-6	1.5	2.7	2.6
South Africa	3.8	3.6	1.7	2.5	3.2	3.0	4.1	1.0	-	-6	1.9	3.2	2.9

minus zero. <sup>1</sup> Initial year 1951 <sup>2</sup> Initial year 1952.

U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1880-1970*, using data from the *Yearbook of Economic Cooperation and Development*.

## **16. GROSS DOMESTIC PRODUCT OF SELECTED COUNTRIES AS PERCENT OF UNITED STATES: 1970 TO 1985**

Percent are based on constant (1980) price data converted to U.S. dollars using 1980 exchange rates. See text, section 14]

	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1970	1975	1980	1981	1982	1983	1984	1985	1970	1975	1980	1981	1982	1983	1984	1985
U.S.	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Japan	89	99	109	109	109	109	109	109	79	90	93	94	93	93	92	93
FR	22	24	24	24	25	24	23	23	90	100	103	102	107	105	100	99
UK	14	14	15	14	15	14	14	14	54	56	59	59	60	59	57	57
West Germany	33	36	39	40	42	42	42	42	65	70	77	76	83	83	82	84
Italy	21	22	20	19	20	20	19	19	79	83	86	79	82	83	80	82
Canada	30	30	30	30	30	30	29	29	102	105	112	111	114	114	111	112

U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1880-1970*, using data from the *Yearbook of Economic Cooperation and Development*.

## **No. 687. SELECTED INTERNATIONAL ECONOMIC INDICATORS: 1970 TO 1986**

Percent gross national product (GNP) at market prices, except for France, Italy, and the United Kingdom, which relate to gross domestic product. Gross fixed capital formation covers private and government sectors except military. Savings data are derived by deducting outlays—such as personal consumption expenditures, interest paid, and transfer payments to and from disposable personal income. Minus sign ( - ) indicates decline]

YEAR	United States	France	West Germany	Italy	Netherlands	United Kingdom	Japan	Canada
Growth rates <sup>1</sup> (constant 1982 prices)								
GNP	3	5.7	5.0	5.3	(NA)	2.2	9.9	2.5
Private GNP	2	1.0	1.5	3.8	8	-2.3	4.3	1.1
Government GNP	-2.6	2.0	-1.0	-5	1.7	1.2	3.1	4.4
GNP per capita	3.6	7	1.5	4	1.3	3.8	3.2	3.3
GNP per worker	6.8	1.5	3.0	2.6	1.7	2.0	5.1	4.7
GNP per hour	3.0	1.3	2.4	2.7	2.0	3.0	4.5	4.8
GNP per man-hour	2.9	2.1	2.5	2.7	(NA)	2.2	2.5	2.9
Gross fixed capital formation to GNP (current prices)								
U.S.	17.7	23.3	25.5	23.1	(NA)	16.3	35.6	21.0
France	19.0	21.8	22.8	19.8	21.1	16.1	32.0	23.3
West Germany	17.1	20.8	20.6	19.0	18.3	16.4	29.7	22.1
Italy	17.1	19.8	20.6	18.0	18.1	16.4	28.2	19.9
Netherlands	18.0	19.0	20.2	17.9	18.5	17.4	27.8	18.9
United Kingdom	18.5	18.8	19.5	18.2	18.4	17.1	27.6	19.2
Japan	(NA)	18.8	19.3	21.6	(NA)	17.1	27.7	20.2
Savings to disposable personal income								
U.S.	8.1	18.7	14.7	21.6	14.0	9.6	18.2	5.3
France	7.1	14.9	14.1	22.0	10.9	15.1	19.2	12.3
West Germany	8.8	15.7	13.8	24.0	14.5	12.9	17.6	15.2
Italy	5.4	14.9	12.5	22.6	13.0	11.6	17.3	13.3
Netherlands	8.1	13.6	13.0	23.0	14.0	11.9	16.0	13.2
United Kingdom	4.5	12.3	12.7	19.7	13.5	11.3	18.0	12.1
Japan	4.3	12.2	13.2	(NA)	(NA)	11.0	(NA)	11.2

NA=not available. <sup>1</sup> Growth rates represent percentage change from preceding year. <sup>2</sup> Estimated.

U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Investment Analysis, *International Statistics* quarterly.

NO. 688. AVERAGE ANNUAL INCOME AND EXPENDITURES OF ALL CONSUMER UNITS: 1985

In dollars. Based on Consumer Expenditure Interview Survey; see text, section 14, for description of survey. In interpreting the expenditure data, several factors should be considered. First, the data are averages for the population. Second, expenditures reported here are direct out-of-pocket expenditures. Third, approximately 95 percent of expenditures are covered in the interview. Excluded are nonprescription drugs, household supplies and personal care items. The interview survey must be integrated with the Diary survey to provide a complete picture of expenditures)

Income, Expenditure, and Wealth

ITEM	Income before taxes <sup>1</sup>	Total expenditures	Food	Alcoholic beverages	HOUSING						TRANSPORTATION		Health care	Other expenditures <sup>2</sup>	Life insurance	Retirement, pensions, Social Security	Personal taxes
					Total	Shelter	Fuel, utilities, and public services	Household operations	Household furnishings	Appliances and services	Gasoline and motor oil	All other transportation <sup>3</sup>					
All consumer units .....	25,127	22,217	3,364	263	6,667	3,940	1,848	346	864	1,161	1,036	3,521	1,037	3,066	276	1,736	2,240
Age of reference person:																	
Under 25 years .....	11,726	12,964	1,964	292	3,553	2,290	711	98	453	779	691	2,774	396	1,774	57	694	836
25-34 years .....	25,535	21,977	3,119	350	7,242	4,465	1,424	436	916	1,178	1,019	3,731	711	2,547	216	1,866	2,510
35-44 years .....	32,716	26,063	4,267	335	6,677	5,190	1,960	449	1,108	1,563	1,267	4,452	910	3,735	367	2,469	3,075
45-54 years .....	33,802	29,148	4,436	334	8,119	4,543	2,140	299	1,136	1,607	1,406	4,330	1,177	4,614	436	2,695	3,248
55-64 years .....	27,065	23,390	3,652	246	6,269	3,264	1,891	265	636	1,173	1,127	3,663	1,269	3,469	373	2,105	2,406
65-74 years .....	16,191	17,000	2,922	165	5,202	2,643	1,629	262	646	747	781	2,436	1,539	2,362	236	596	1,021
75 years and over .....	12,306	12,347	2,027	84	4,157	2,056	1,345	420	334	364	402	1,373	1,509	2,170	91	166	753
Region of residence:																	
Northeast .....	25,400	21,567	3,631	301	6,561	3,753	1,723	292	613	1,197	671	3,137	675	3,069	220	1,667	1,936
Midwest .....	24,120	21,469	3,290	275	6,337	3,506	1,725	302	602	1,066	1,036	3,269	1,064	3,055	307	1,720	2,251
South .....	24,735	21,927	3,224	252	6,367	3,470	1,666	379	650	1,120	1,067	3,706	1,153	2,667	322	1,707	2,392
West .....	26,901	24,506	3,563	329	7,849	5,043	1,417	411	976	1,279	1,126	3,964	963	3,267	229	1,666	2,277
Size of consumer unit:																	
One person .....	14,516	13,353	1,835	256	4,366	2,749	973	170	474	709	537	1,920	636	1,866	94	694	1,543
Two persons .....	25,106	22,056	3,205	295	6,714	3,673	1,656	269	694	1,062	699	3,369	1,266	3,174	269	1,675	2,277
Three persons .....	30,912	26,781	4,055	266	7,735	4,353	1,926	474	961	1,397	1,279	4,663	1,065	3,567	344	2,326	2,666
Four persons .....	34,414	29,972	4,643	293	8,791	4,617	2,194	600	1,190	1,614	1,434	5,069	1,219	3,900	455	2,615	3,105
Five persons .....	32,006	29,266	4,995	264	8,463	4,850	2,226	449	1,136	1,620	1,526	4,562	1,134	4,097	416	2,190	2,165
Six persons or more .....	27,510	25,614	4,697	165	7,546	4,093	2,117	362	976	1,474	1,530	3,756	1,025	3,352	316	1,750	1,769
Income before taxes:																	
Complete income reporters <sup>1</sup> .....	25,127	22,539	3,362	265	6,694	3,854	1,636	341	862	1,166	1,045	3,570	1,049	3,147	265	1,934	2,240
Quintiles of income:																	
Lowest 20 percent .....	3,594	11,006	2,103	141	3,732	2,133	1,069	170	330	552	536	1,322	737	1,481	160	236	132
Second 20 percent .....	10,611	14,131	2,507	166	4,461	2,447	1,342	203	469	665	781	2,063	1,020	1,717	154	556	473
Third 20 percent .....	19,397	19,163	3,053	267	5,744	3,310	1,543	256	636	975	1,011	3,250	960	2,406	205	1,272	1,266
Fourth 20 percent .....	30,967	25,932	3,816	321	7,516	4,316	1,636	343	1,021	1,300	1,314	4,316	1,091	3,357	352	2,557	2,769
Highest 20 percent .....	60,741	42,374	5,323	493	11,939	7,050	2,366	730	1,650	2,326	1,576	6,862	1,425	6,761	551	5,036	6,526
Incomplete reporting of income .....	( <sup>1</sup> )	19,690	3,652	262	6,630	3,732	1,724	364	790	1,101	964	3,140	939	2,591	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years or over during the 12 months preceding the interview. A complete reporter is a consumer unit who provided values for at least one of the major sources of income. <sup>2</sup> Includes other private transportation and public transportation. <sup>3</sup> Entertainment, personal care, reading, education, tobacco and smoking supplies, cash contributions, and miscellaneous expenditures. For data on entertainment and reading, see table 364.

[Based on Consumer Expenditure Diary Survey; see text for description of survey]

Income and Expenditures of All Consumer Units

CHARACTERISTIC	Income before taxes <sup>1</sup>	AVERAGE WEEKLY EXPENDITURES															
		Food, total	Food at home								Food away from home	Alcoholic beverages	Tobacco products and smoking supplies	Personal care products and services	Non-prescription drugs and supplies	House-keeping supplies	
			Total	Cereal and bakery products	Beef and pork	Poultry and other meats	Fish, sea food, and eggs	Milk, cream <sup>2</sup> and other dairy products	Fresh fruits and vegetables	Processed fruits and vegetables							Other food at home <sup>3</sup>
All consumer units.....	\$24,632	\$59.92	\$38.60	\$5.44	\$6.07	\$3.25	\$1.82	\$5.12	\$3.65	\$2.54	\$10.71	\$21.32	\$5.52	\$3.78	\$4.94	\$2.49	\$6.24
Age of reference person:																	
Under 25 years.....	12,953	38.13	18.52	2.72	2.54	1.84	.91	2.61	1.37	1.17	5.58	17.62	6.12	2.50	2.93	.85	3.02
25-34 years.....	25,243	59.21	37.46	5.00	5.69	3.06	1.86	5.23	3.27	2.31	11.04	21.75	6.68	3.60	4.26	1.49	5.92
35-44 years.....	33,466	75.79	47.14	6.76	7.47	3.87	2.09	6.31	4.27	3.05	13.32	28.65	6.71	4.47	5.58	2.48	7.34
45-54 years.....	34,345	77.48	49.21	6.80	8.44	4.26	2.33	6.16	4.37	3.16	13.67	28.27	6.45	5.10	7.34	2.98	8.12
55-64 years.....	25,537	62.45	41.82	5.90	6.60	3.72	2.04	5.26	4.39	2.73	10.97	20.63	5.02	4.50	5.54	2.57	6.89
65-74 years.....	17,276	47.46	33.97	4.95	5.25	2.81	1.56	4.53	3.77	2.47	8.60	13.49	3.20	3.01	4.36	3.77	6.22
75 years and over.....	11,614	38.65	26.10	4.32	3.65	2.27	1.27	3.77	3.25	2.18	7.20	6.55	1.65	1.38	3.52	4.39	4.06
Region of residence:																	
Northeast.....	26,713	84.13	42.03	5.96	6.21	4.00	2.24	5.99	4.38	2.88	10.40	22.10	6.03	4.34	4.38	2.29	6.05
Midwest.....	22,957	57.61	37.23	5.45	6.14	2.99	1.55	4.74	3.19	2.42	10.75	20.37	5.31	3.92	4.69	2.62	6.40
South.....	22,658	55.99	36.28	5.00	5.87	2.99	1.72	4.57	3.28	2.43	10.44	19.71	4.55	3.78	5.09	2.48	6.12
West.....	26,165	65.06	40.56	5.60	6.16	3.17	1.91	5.62	4.15	2.49	11.48	24.50	6.90	2.97	5.69	2.56	6.43
Size of consumer unit:																	
One person.....	14,189	32.26	16.39	2.30	2.03	1.27	.77	2.26	1.86	1.16	4.72	15.67	5.46	2.23	3.07	1.52	3.06
Two persons.....	26,357	58.06	37.11	5.10	5.92	2.97	1.82	4.79	3.69	2.46	10.15	20.94	5.98	3.63	5.27	3.73	6.50
Three persons.....	29,112	69.54	45.50	6.23	7.37	3.92	2.09	5.82	4.10	2.99	12.98	24.05	5.50	4.54	5.58	1.75	7.10
Four persons.....	33,113	81.07	54.91	7.68	8.97	4.61	2.42	7.76	4.86	3.51	15.11	26.16	5.24	4.90	6.24	2.78	8.79
Five persons.....	26,703	86.58	60.84	6.75	10.71	5.06	2.70	7.85	4.98	3.81	16.78	25.93	4.76	5.26	6.31	2.16	8.70
Six persons or more.....	31,262	102.95	77.78	11.99	11.22	7.95	4.26	10.27	6.55	5.00	20.53	25.17	4.84	4.54	5.73	2.33	9.26
Income before taxes:																	
Complete reporters of income <sup>1</sup> .....	24,632	60.65	39.17	5.54	6.06	3.19	1.85	5.23	3.68	2.59	11.02	21.48	5.84	3.60	5.16	2.71	6.61
Quintiles of income:																	
Lowest 20 percent.....	4,213	33.69	24.78	3.55	3.68	2.36	1.08	3.25	2.31	1.76	6.60	8.91	2.87	2.84	2.45	1.74	3.06
Second 20 percent.....	10,924	44.17	31.14	4.52	4.76	2.68	1.51	4.19	3.16	1.92	6.40	13.03	3.85	3.67	3.78	1.52	4.84
Third 20 percent.....	19,537	55.83	37.13	5.49	5.45	2.92	1.69	5.00	3.39	2.42	10.78	16.70	4.76	3.70	4.61	2.55	5.89
Fourth 20 percent.....	30,565	71.27	45.11	6.09	7.63	3.49	2.01	6.10	4.01	2.92	12.87	26.17	6.29	4.39	6.06	2.67	7.65
Highest 20 percent.....	57,817	98.14	57.61	8.04	8.88	4.53	2.97	7.59	5.44	3.93	16.24	40.53	10.44	4.38	8.97	5.04	11.56
Incomplete reporting of income.....	-	57.33	36.58	5.10	6.03	3.42	1.72	4.75	3.65	2.35	9.59	20.74	5.09	3.75	4.09	1.73	4.93

- Represents zero. <sup>1</sup> Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years old or over during the 12 months preceding the interview. A complete reporter is a consumer unit who provided at least one of the major sources of its income. <sup>2</sup> Fresh milk and cream. <sup>3</sup> Includes sugar and other sweets, fats and oils, miscellaneous foods and nonalcoholic beverages.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: 1965 Results for Both Urban and Rural Population*. (BLS News Release, U.S.D.L.: 66-451.)

## Income, Expenditures, and Wealth

**NO. 888. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1986) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1986**

[Households as of March of following year. Based on Current Population Survey; see text, sections 1 and 14, and Appendix M. Hispanic persons may be of any race. For definitions of household and race, see text, section 1. For definition of median, see Guide to Tabular Presentation.]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of households (1,000)	PERCENT DISTRIBUTION, BY INCOME LEVEL								Median income (dol.)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over	
ALL HOUSEHOLDS										
1970	64,776	6.2	10.9	10.9	12.0	8.4	24.9	12.6	11.5	24,662
1975	72,867	6.6	12.6	11.4	10.7	10.5	20.8	14.8	12.3	24,039
1980	82,368	6.3	11.8	11.8	10.6	10.4	18.0	16.4	12.7	23,585
1981	83,527	6.5	12.4	12.2	11.3	9.9	17.6	16.0	12.4	22,995
1982	83,918	6.5	12.7	12.0	11.0	10.6	17.2	15.4	12.7	22,913
1983	85,290	6.3	12.3	11.9	11.1	10.3	16.9	15.6	13.5	23,131
1984	86,789	7.8	12.5	11.8	10.9	10.0	16.9	15.8	14.6	23,661
1985	88,456	7.5	12.2	11.3	10.8	9.9	16.9	16.0	15.4	24,072
1986	89,479	7.4	11.7	11.0	10.4	8.6	16.8	16.5	16.6	24,897
WHITE										
1970	57,575	7.3	10.2	9.8	12.8	8.4	25.8	13.4	12.2	25,667
1975	64,382	8.0	11.7	11.1	10.8	10.5	21.5	15.5	13.2	25,139
1980	71,872	7.1	10.9	11.4	10.5	10.5	18.8	17.3	13.7	24,862
1981	72,846	7.2	11.4	11.7	11.3	10.1	18.1	16.8	13.4	24,296
1982	73,182	7.2	11.8	11.5	11.0	10.8	17.9	16.1	13.7	23,988
1983	74,170	6.8	11.4	11.8	11.1	10.5	17.5	16.4	14.5	24,230
1984	75,326	6.3	11.7	11.2	10.9	10.2	17.5	16.7	15.8	24,962
1985	76,576	6.3	11.5	10.9	10.8	10.1	17.4	16.7	16.5	25,367
1986	77,284	6.0	11.0	10.6	10.3	9.7	17.0	17.3	17.9	26,175
BLACK										
1970	6,180	15.5	18.1	14.7	15.0	8.6	17.1	6.8	4.0	15,835
1975	7,489	14.5	21.2	14.1	11.8	10.8	15.1	8.3	4.3	15,082
1980	8,847	17.7	19.7	14.9	11.3	9.3	13.1	9.3	4.7	14,323
1981	8,961	18.9	20.2	15.3	11.2	8.7	12.5	8.8	4.2	13,834
1982	8,916	19.1	19.8	15.3	11.0	9.2	13.0	9.0	3.7	13,586
1983	9,243	19.1	19.9	14.5	11.6	8.6	12.2	9.0	5.0	13,727
1984	9,480	17.5	19.7	14.9	11.7	8.9	12.3	9.0	5.8	14,220
1985	9,797	17.3	18.6	13.9	12.3	8.6	13.0	10.1	6.2	15,104
1986	9,922	16.6	17.6	13.6	10.9	9.3	12.9	10.2	6.9	15,080
HISPANIC										
1975	2,846	9.4	16.7	16.3	12.5	11.8	16.6	9.8	4.9	18,080
1980	3,906	11.0	14.9	15.8	12.9	11.2	15.7	12.0	6.5	16,184
1981	3,980	10.2	15.9	14.7	13.2	11.6	16.4	11.8	6.2	16,445
1982	4,085	11.3	16.0	15.0	13.0	10.8	14.9	10.8	6.1	17,341
1983	4,086	11.5	17.9	14.3	12.9	11.2	14.6	11.0	6.3	17,362
1984	4,683	11.8	16.4	14.2	11.8	10.6	16.0	11.8	7.1	17,937
1985	5,213	10.7	17.5	14.6	12.1	10.6	15.4	11.3	7.7	17,801
1986	5,416	11.1	15.6	14.9	11.9	10.2	15.3	11.8	9.2	18,352

**NO. 881. MONEY INCOME OF HOUSEHOLDS—MEDIAN HOUSEHOLD INCOME IN CURRENT AND CONSTANT (1986) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1986**

[See headline, table 880. Minus sign (-) indicates decrease. For definition of median, see Guide to Tabular Presentation.]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1986) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL HOUSEHOLDS	
	All households <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	All households <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	Current dollars	Constant dollars
1970	8,734	9,097	5,537	(NA)	24,662	25,667	15,835	(NA)	<sup>a</sup> 8.9	<sup>a</sup> 1.7
1971	9,028	9,443	5,578	(NA)	24,442	25,585	15,102	(NA)	3.4	-0.9
1972	9,897	10,173	5,936	7,577	25,415	26,863	15,663	20,121	7.4	4.9
1973	10,512	11,017	6,485	8,144	25,936	27,182	16,001	20,084	8.4	2.6
1974	11,197	11,710	6,864	8,906	24,896	26,036	15,484	19,802	6.6	-4.8
1975	11,800	12,340	7,406	9,685	24,039	25,139	15,082	18,080	5.4	-3.4
1976	12,686	13,289	7,802	9,569	24,436	25,596	15,220	18,431	7.5	1.8
1977	13,572	14,272	8,422	10,647	24,557	25,823	15,236	19,284	7.0	.5
1978	15,064	16,080	9,411	11,803	25,317	26,319	15,817	19,537	11.0	3.1
1979	16,461	17,269	10,133	13,042	24,866	26,071	15,307	19,701	9.3	-1.8
1980	17,710	18,884	10,764	13,851	23,585	24,662	14,323	18,184	7.6	-5.2
1981	19,074	20,153	11,309	15,300	22,985	24,296	13,834	18,445	7.7	-2.4
1982	20,171	21,117	11,988	15,176	22,913	23,988	13,585	17,341	5.8	-4.4
1983	21,016	22,036	12,473	15,784	23,131	24,250	13,727	17,362	4.2	1.0
1984	22,415	23,847	13,471	16,982	23,661	24,962	14,220	17,937	6.6	2.9
1985	23,819	24,908	14,819	17,465	24,072	25,367	15,104	17,801	5.4	1.7
1986	24,897	26,175	18,080	18,352	24,897	26,175	15,080	18,352	5.4	3.4

<sup>1</sup> All Not available. <sup>2</sup> Includes other races not shown separately. <sup>3</sup> Hispanic persons may be of any race. <sup>4</sup> Change from 1987.

Source of tables 880 and 881: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 151, and unpublished data.

**NO. 682. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY MONEY INCOME LEVEL, BY  
SELECTED CHARACTERISTICS: 1986**

(Households as of March 1987. For definition of median, see Guide to Tabular Presentation)

CHARACTERISTIC	Total house- holds (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY INCOME LEVEL (in dollars)								Median income (dollars)
		Under 5,000	5,000- 9,999	10,000- 14,999	15,000- 19,999	20,000- 24,999	25,000- 34,999	35,000- 49,999	50,000 and over	
<b>Total<sup>1</sup></b>	<b>88,478</b>	<b>7.4</b>	<b>11.7</b>	<b>11.8</b>	<b>10.4</b>	<b>8.6</b>	<b>16.5</b>	<b>16.8</b>	<b>16.8</b>	<b>24,887</b>
<b>Age of householder</b>										
15-24 years	5,197	15.0	16.3	17.8	13.5	11.9	14.7	7.8	3.0	15,310
25-34 years	20,502	6.1	8.2	10.0	11.9	11.7	20.7	18.8	12.7	25,898
35-44 years	18,703	4.5	6.0	7.1	6.1	8.1	18.8	22.2	24.4	32,787
45-54 years	13,211	5.1	5.8	6.9	7.2	7.7	16.2	21.3	29.8	35,680
55-64 years	12,888	7.7	10.2	10.3	9.1	9.8	16.5	16.8	20.1	28,778
65 years and over	18,988	11.2	25.0	17.5	13.2	8.7	10.8	7.4	6.3	13,545
<b>Race</b>										
White	77,284	8.0	11.0	10.6	10.3	8.7	17.0	17.3	17.9	28,175
Black	9,922	18.7	17.6	13.6	10.8	8.3	12.8	10.2	6.9	15,080
Hispanic <sup>2</sup>	5,418	11.0	15.5	14.9	11.8	10.3	15.4	11.8	8.2	18,362
<b>Region</b>										
Northeast	18,873	8.3	11.8	9.2	10.5	8.3	18.0	17.2	18.8	26,494
Midwest	21,973	7.2	11.7	11.0	10.5	9.8	17.6	17.0	15.1	24,851
South	30,820	9.5	12.1	12.2	10.7	9.9	15.9	15.2	14.5	22,578
West	18,014	5.4	10.8	10.9	9.5	8.3	17.0	17.4	19.8	27,001
<b>Size of household</b>										
One person	21,128	17.4	24.9	15.8	12.4	8.9	11.3	6.2	3.0	12,155
Two persons	28,802	4.7	9.2	12.5	12.0	10.8	17.6	15.6	16.2	25,293
Three persons	18,158	5.2	7.4	8.0	9.1	9.4	17.8	20.8	22.4	31,004
Four persons	13,984	3.2	5.3	6.3	7.3	8.9	19.8	23.2	28.2	34,858
Five persons	8,182	3.8	5.9	5.5	7.3	8.8	19.2	22.4	28.2	34,188
Six persons	2,176	3.4	7.1	9.0	8.3	8.2	17.8	19.8	28.9	32,829
Seven persons or more	1,288	4.5	8.7	11.7	9.8	8.7	15.8	19.3	20.8	27,838
<b>Marital status</b>										
Male householder	61,735	3.5	6.8	9.5	9.9	9.9	18.7	20.1	21.5	30,377
Married, wife present	48,573	1.9	5.0	8.3	9.3	9.7	19.2	22.0	24.5	32,823
Married, wife absent	1,589	10.0	14.1	13.1	12.4	11.5	15.5	13.4	8.8	20,108
Widowed	1,721	10.9	25.7	18.4	12.0	8.9	10.3	9.8	5.9	19,599
Divorced	3,887	9.1	11.3	11.5	11.4	10.5	16.0	15.3	12.9	22,987
Single (never married)	5,985	9.4	11.5	13.7	12.6	11.2	16.4	12.8	10.5	21,129
Female householder	27,744	16.2	22.5	14.5	11.6	8.9	11.8	8.4	6.3	13,827
Married, husband present	2,984	2.4	6.7	7.8	8.8	8.9	20.1	19.8	25.4	32,217
Married, husband absent	2,838	27.1	23.8	16.4	10.3	7.8	7.7	4.5	2.3	9,738
Widowed	9,570	17.8	38.3	15.7	10.5	6.9	7.5	5.1	3.1	9,784
Divorced	6,487	14.5	17.7	14.8	13.7	11.0	14.8	8.8	4.7	15,933
Single (never married)	6,888	17.4	17.8	14.4	12.9	10.4	12.8	9.1	5.2	15,151
<b>Education attainment of householder</b>										
Elementary school	12,043	17.7	25.9	17.3	11.5	8.4	9.7	6.5	2.8	11,585
Less than 8 years	5,540	20.5	27.9	17.7	10.8	7.8	8.2	5.2	2.1	10,413
8 years	5,503	14.5	23.8	17.0	12.6	9.2	11.4	8.0	3.8	13,231
High school	42,981	8.1	12.9	12.8	12.0	11.0	17.6	15.7	10.2	21,875
1-3 years	10,988	12.8	20.2	15.6	12.2	10.3	12.9	10.2	5.9	15,524
4 years	32,023	6.4	10.4	11.6	11.9	11.2	19.3	17.8	11.7	24,271
College	34,445	3.1	5.3	6.8	8.0	8.4	17.6	21.0	29.8	35,480
1-3 years	15,456	4.8	8.1	9.3	10.2	9.8	19.7	19.7	18.6	28,644
4 years or more	18,989	1.8	3.0	4.8	6.3	7.3	15.8	22.1	39.0	41,677
<b>Tenure</b>										
Owner occupied	57,258	4.4	8.6	8.9	9.2	8.1	17.4	19.8	22.7	30,587
Renter occupied	30,687	12.6	17.0	14.8	12.6	10.6	15.3	10.7	8.9	17,024
Occupier paid no cash rent	1,534	19.0	20.9	15.1	11.7	10.4	10.8	6.2	3.7	13,400

<sup>1</sup> Includes other races not shown separately.

<sup>2</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157



### NO. 683. MONEY INCOME OF HOUSEHOLDS—AGGREGATE AND MEAN INCOME, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1965

[As of March 1965. See headnote, table 680. For number of households by characteristic, see table 59. For definition of mean, see Guide to Tabular Presentation]

CHARACTERISTIC	ALL RACES <sup>1</sup>		WHITE		BLACK		HISPANIC <sup>2</sup>	
	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)
Total	2,571.1	29,999	2,317.1	30,999	199.4	19,999	119.8	21,999
Age of householder:								
15-24 years old	97.5	17,703	87.8	18,567	7.6	11,223	6.4	15,419
25-34 years old	599.5	27,804	598.8	26,257	48.0	19,163	33.1	20,893
35-44 years old	840.8	35,803	873.4	37,184	46.2	23,988	28.7	24,406
45-54 years old	601.9	36,318	444.6	40,438	41.6	24,728	22.2	28,081
55-64 years old	411.8	32,045	379.3	33,342	24.7	19,721	13.3	23,253
65 years old and over	349.9	18,800	325.5	19,440	19.3	11,747	8.1	14,804
Region:								
Northeast	578.1	31,148	530.2	32,259	37.7	20,920	19.7	19,229
Midwest	615.0	28,149	598.1	28,918	39.0	20,204	8.6	24,012
South	819.7	27,044	717.8	28,945	82.0	17,826	38.5	21,801
West	558.3	31,475	501.0	31,920	20.7	23,818	49.0	22,713
Size of household:								
One person	338.5	15,907	303.5	16,550	30.0	11,996	9.7	12,135
Two persons	619.8	29,525	783.3	30,632	43.3	18,312	23.9	21,281
Three persons	551.8	34,300	497.8	36,001	40.1	21,347	23.1	22,428
Four persons	511.9	37,181	489.6	38,711	35.9	24,817	27.5	25,278
Five persons	229.0	36,495	198.5	36,385	22.9	25,807	15.3	24,579
Six persons	77.5	36,257	64.5	36,780	8.5	24,658	7.6	28,174
Seven persons or more	43.3	34,053	32.0	36,102	7.7	23,565	6.6	25,202
Education attainment of householder:								
Elementary school:								
Less than 8 years	92.2	13,838	73.1	14,470	16.0	11,612	22.2	15,247
8 years	99.1	17,329	99.4	17,721	7.6	13,293	7.3	17,815
High school:								
1-3 years	214.9	19,418	184.9	20,379	28.0	14,750	15.2	17,786
4 years	827.5	26,482	747.5	27,343	64.7	19,429	32.6	23,709
College:								
1-3 years	480.7	31,418	433.8	32,414	37.0	23,347	19.0	29,043
4 years or more	658.9	46,349	799.3	47,175	56.0	35,141	17.4	36,276
Occupation of longest job of householder:								
Total <sup>3</sup>	2,164.9	34,121	1,962.8	36,344	168.1	34,116	69.2	26,488
Managerial and professional specialty	608.3	47,042	744.8	47,731	34.9	36,191	18.3	37,917
Technical, sales, and administrative support	516.1	33,437	470.9	34,467	35.2	23,570	19.5	27,118
Service workers	148.7	22,169	130.2	23,651	25.0	17,394	12.2	20,347
Farming, forestry, and fishing	45.8	19,786	41.9	20,183	2.1	12,001	3.4	19,380
Precision production, crafts, and repair	349.2	32,110	320.8	32,398	20.8	27,896	16.7	25,384
Operators, fabricators, and laborers	208.7	27,314	253.3	28,015	37.1	23,037	26.3	23,080

<sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race. <sup>3</sup> Includes in Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 158.

### NO. 684. HOUSEHOLD TYPE, BY MEDIAN INCOME AND INCOME LEVEL: 1965

[Households as of March 1965. See headnote, table 680]

ITEM	All households	FAMILY HOUSEHOLDS				NONFAMILY HOUSEHOLDS			
		Total	Married couple	Male householder, wife absent	Female householder, husband absent	Total	Single-person household		
							Total	Male householder	Female householder
Median income (dol.):									
All households	23,819	28,022	31,161	24,364	14,316	13,798	11,984	16,512	9,774
White	24,908	29,404	31,080	25,799	16,544	14,391	12,927	17,267	10,138
Black	14,819	17,053	24,885	16,901	9,674	9,571	8,390	11,114	6,891
Hispanic <sup>1</sup>	17,465	19,476	22,366	22,430	8,993	10,814	8,984	11,507	6,581
Number (1,000):									
All households	88,958	83,688	80,939	2,414	19,211	24,900	21,179	8,295	12,883
Under \$5,000	6,784	2,847	1,103	182	1,693	3,837	3,748	1,064	2,684
\$5,000-\$9,999	10,997	5,307	2,984	251	2,072	5,690	5,401	1,506	3,896
\$10,000-\$14,999	10,149	6,436	4,886	248	1,525	3,713	3,354	1,254	2,099
\$15,000-\$19,999	9,674	6,629	5,042	277	1,311	3,046	2,599	1,107	1,492
\$20,000-\$24,999	8,838	6,528	5,189	317	1,021	2,310	1,999	885	1,034
\$25,000-\$34,999	15,007	11,894	10,147	467	1,290	3,114	2,390	1,334	1,066
\$35,000-\$49,999	13,947	12,052	10,794	401	857	1,897	1,132	691	440
\$50,000 and over	13,061	11,767	11,010	314	442	1,294	845	453	192

<sup>1</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 158.

No. 680. MONEY INCOME OF HOUSEHOLDS—MEAN AFTER-TAX HOUSEHOLD INCOME IN CONSTANT (1985) DOLLARS, BY SELECTED CHARACTERISTICS: 1980 TO 1985

[Households as of March of following year. Estimates of after-tax income were derived from tax simulation procedures based on a "statistical" combination of data from the Internal Revenue Service, summaries of State individual income tax regulations, data on the characteristics of persons paying FICA payroll taxes from the Social Security Administration, property tax information from the Annual Housing Survey, and the March Current Population Survey microdata file. For additional information on methodology see source. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	AFTER-TAX HOUSEHOLD INCOME						PERCENT CHANGE				
	1980	1981	1982	1982	1984	1980	1980-1981	1981-1982	1982-1982	1985-1984	1984-1980
All households.....	21,243	20,884	21,083	21,753	22,333	22,846	-2.0	1.9	3.1	2.7	1.4
Age of householder:											
Under 65 years .....	23,028	22,291	22,847	23,312	23,928	24,363	-3.2	1.6	2.9	2.6	1.8
65 years old and over.....	14,336	14,577	15,267	15,857	16,307	16,198	1.7	4.7	3.9	2.8	-1.7
Race and Hispanic origin:											
White.....	22,001	21,483	21,871	22,577	23,168	23,484	-2.4	1.9	3.2	2.6	1.4
Black.....	14,946	14,292	14,454	14,827	15,327	15,780	-4.4	1.1	2.6	3.4	3.0
Hispanic <sup>1</sup> .....	17,689	17,525	17,043	17,327	17,978	17,920	-.9	-2.8	1.7	3.8	-.3
Region:											
Northeast .....	21,212	20,672	21,087	22,105	22,788	23,646	-2.5	2.0	4.8	3.1	3.8
Midwest .....	21,458	20,886	20,928	21,323	21,609	21,910	-3.6	1.2	1.9	1.3	1.4
South .....	20,363	19,998	20,517	21,147	21,699	21,567	-1.8	2.6	3.1	2.6	-.6
West.....	22,479	21,909	22,269	22,980	23,660	24,350	-2.5	1.7	3.0	3.9	2.1
Type of family:											
Married couples with children <sup>2</sup> .....	26,787	25,743	26,117	28,843	27,797	28,390	-3.9	1.5	2.8	3.6	2.1
Married couples without children <sup>2</sup> ..	25,277	24,980	25,522	26,623	27,398	27,712	-1.2	2.2	4.3	2.9	1.1
Female householders with related children <sup>2</sup> .....	12,913	12,503	12,132	12,220	12,679	13,083	-3.2	-3.0	.7	3.8	3.3

<sup>1</sup> Hispanic persons may be of any race.    <sup>2</sup> Related children under 18 years old.    <sup>3</sup> No husband present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 151, and unpublished data.

No. 686. NUMBER OF HOUSEHOLDS PAYING TAXES AND AMOUNT OF TAXES BY TYPE OF TAX AND BEFORE-TAX MONEY INCOME: 1985

[Households as of March 1986. See headnote, table 680]

TYPE OF TAX	Unit	Total	Under 5,000	5,000-9,999	10,000-14,999	15,000-19,999	20,000-24,999	25,000-34,999	35,000-49,999	50,000 and over
All households.....	1,000.....	68,458	6,783	10,997	10,149	9,674	8,936	15,007	13,947	13,080
Households paying—										
One or more taxes <sup>1</sup> .....	1,000.....	81,943	3,769	8,275	9,566	9,531	8,804	14,991	13,946	13,059
Federal income taxes.....	1,000.....	68,019	256	2,418	6,674	8,348	8,449	14,897	13,929	13,049
State income taxes.....	1,000.....	57,033	524	2,970	5,575	6,636	8,774	12,183	11,445	10,927
FICA payroll taxes .....	1,000.....	68,000	1,971	4,825	6,699	7,239	7,274	13,005	12,854	12,225
Federal retirement taxes .....	1,000.....	3,361	37	82	162	206	269	758	907	940
Property taxes .....	1,000.....	53,298	2,294	4,863	4,874	5,098	5,077	9,909	10,402	10,982
Taxes paid .....	Bill. dol.....	599.3	1.7	6.2	13.8	23.3	33.0	87.0	198.2	273.9
Percent of taxes paid:										
Federal income taxes.....	Percent .....	55.9	1.7	13.3	31.7	41.9	46.2	49.1	53.2	64.1
State income taxes.....	Percent .....	13.3	1.4	4.9	8.6	10.2	11.2	12.6	13.4	14.5
FICA payroll taxes .....	Percent .....	22.0	21.2	31.8	35.5	32.4	30.4	27.5	25.0	16.0
Federal retirement taxes.....	Percent .....	1.2	.4	.5	.8	.9	1.1	1.6	1.5	1.1
Property taxes .....	Percent .....	7.6	75.3	49.6	23.5	14.5	11.0	9.1	6.9	4.3
Average tax paid <sup>2</sup> .....	Dollars.....	6,947	439	748	1,446	2,452	3,755	5,804	8,333	20,976
Federal income taxes .....	Dollars.....	4,675	110	339	656	1,174	1,807	2,868	4,979	13,456
State income taxes .....	Dollars.....	1,330	45	102	214	360	549	903	1,521	3,642
FICA payroll taxes .....	Dollars.....	1,894	178	406	733	1,046	1,382	1,642	2,530	3,588
Federal retirement taxes .....	Dollars.....	2,084	(8)	373	687	1,055	1,360	1,828	2,189	3,121
Property taxes .....	Dollars.....	811	543	658	666	665	719	801	863	1,068

B Base figure too small to meet statistical standards for reliability of derived figure.

<sup>1</sup> Figures will not add as more than one type of tax may be reported for each household.    <sup>2</sup> Based on households paying taxes.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 151, and unpublished data.

**NO. 697. MONEY INCOME OF HOUSEHOLDS—MEAN INCOME AND INCOME PER HOUSEHOLD MEMBER BEFORE AND AFTER TAXES, BY SELECTED CHARACTERISTICS: 1985**

[Households as of March 1985. See headnote, table 695]

CHARACTERISTIC	MEAN HOUSEHOLD INCOME		INCOME PER HOUSEHOLD MEMBER		Taxes as a percent of income
	Before taxes	After taxes	Before taxes	After taxes	
All households	23,095	22,845	10,884	8,460	22.1
Age of householder					
15-24 years	17,708	14,515	7,881	6,296	18.0
25-29 years	25,097	20,142	9,723	7,821	21.8
30-34 years	29,935	23,075	9,738	7,507	22.9
35-39 years	34,185	25,926	10,083	7,651	24.1
40-44 years	37,456	28,320	10,861	8,212	24.4
45-49 years	39,129	29,506	12,107	9,130	24.6
50-54 years	37,453	28,308	13,029	9,848	24.4
55-59 years	34,561	26,176	13,525	10,244	24.3
60-64 years	29,431	22,884	13,382	10,404	22.3
65 years and over	18,800	16,168	10,622	9,152	13.8
Race and Hispanic origin					
White	20,259	23,484	11,531	8,949	22.4
Black	19,335	15,790	8,676	5,452	18.3
Hispanic <sup>1</sup>	21,623	17,920	6,358	5,221	17.9
Region					
Northeast	31,148	23,648	11,717	8,895	24.1
Midwest	28,149	21,910	10,488	8,171	22.2
South	27,044	21,567	10,178	8,116	20.3
West	31,475	24,350	11,691	9,044	22.6
Type of family					
Family households	33,162	25,816	10,235	7,964	22.2
Married couple families					
With no children <sup>2</sup>	35,852	27,712	15,063	11,858	22.7
With children <sup>3</sup>	38,847	28,390	8,800	8,780	23.0
Female householder <sup>3</sup>	15,264	13,093	4,528	3,862	14.2
Nonfamily households	18,559	14,550	15,313	12,006	21.6
Tenure					
Owner occupied	34,096	26,168	12,027	9,248	23.1
Renter occupied, incl. no cash rent	20,267	16,413	8,498	6,880	19.0

<sup>1</sup> Hispanic persons may be of any race. <sup>2</sup> Related children under 18 years. <sup>3</sup> No husband present, with related children under 18 years.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 151, and unpublished data.

**NO. 698. HOUSEHOLDS WITH DISCRETIONARY INCOME—SELECTED INCOME MEASURES IN CONSTANT (1984) DOLLARS: 1982**

[Households as of March 1983 and income figures are for the preceding year, expressed in 1984 dollars. Discretionary income is the amount of money which would permit a household to maintain a living standard comfortably higher (30% or more) than the average for similar households. For methodology, see source]

CHARACTERISTIC	ALL HOUSEHOLDS		HOUSEHOLDS WITH DISCRETIONARY INCOME					
	Number (1,000)	Aggregate income after taxes (bil. dol.)	Households		Average income		Spending discretionary income	
			Number (1,000)	Percent of all households	Before taxes (dol.)	After taxes (dol.)	Aggregate income (bil. dol.)	Average income (dol.)
Total	83,816	1,707.3	28,408	31.5	46,764	34,862	277.9	10,526
Age of householder								
15-24 years old	5,995	79.6	1,195	21.0	32,821	25,267	7.7	6,444
25-29 years old	9,485	172.5	2,472	26.1	41,595	31,079	18.6	7,654
30-34 years old	9,639	200.6	3,355	34.8	44,269	32,534	30.3	9,021
35-39 years old	8,759	200.8	2,850	30.2	52,262	37,537	28.8	10,127
40-44 years old	7,281	181.8	2,579	35.5	54,891	39,645	28.9	11,806
45-49 years old	6,154	180.1	2,224	36.1	56,072	40,375	28.0	11,674
50-54 years old	6,200	168.9	2,336	37.7	56,279	40,395	29.2	12,476
55-59 years old	6,571	158.4	2,672	40.7	52,621	37,585	34.1	12,708
60-64 years old	6,503	132.8	2,180	33.5	47,183	34,899	25.1	11,508
65 years old and over	17,671	261.8	4,748	26.9	34,716	28,375	50.0	10,531
Race and Hispanic origin of householder								
White	73,182	1,544.0	24,897	33.7	46,835	34,667	263.3	10,661
Black	10,736	189.3	1,712	16.0	44,301	33,049	14.6	8,665
Hispanic <sup>1</sup>	4,098	67.2	690	16.1	46,172	34,879	6.0	9,119
Size of household								
One person	19,250	218.5	5,122	26.6	28,301	21,175	36.4	7,486
Two persons	29,439	644.5	8,468	32.1	47,685	35,094	97.3	11,467
Three persons	14,793	341.9	4,862	33.0	51,203	37,835	52.6	10,776
Four persons	13,303	336.7	4,597	34.6	54,050	39,525	49.1	10,874
Five persons	8,105	158.1	1,956	32.0	55,921	41,439	22.3	11,430
Six persons or more	4,028	106.3	1,364	33.9	56,734	43,216	18.2	13,397
Household income								
Under \$15,000	29,156	213.7	829	2.8	12,569	11,607	1.3	1,569
\$15,000-\$19,999	9,888	147.0	1,012	10.2	17,840	15,312	3.5	3,491
\$20,000-\$24,999	9,148	189.1	1,571	17.2	22,795	19,109	5.6	3,891
\$25,000-\$29,999	7,984	174.8	2,286	28.7	27,564	22,364	9.4	4,102
\$30,000-\$34,999	6,603	167.5	3,007	45.5	32,630	25,678	13.3	4,416
\$35,000-\$39,999	5,114	147.7	3,235	63.3	37,500	29,090	17.6	5,446
\$40,000-\$49,999	6,854	231.3	5,479	79.9	44,808	33,997	42.8	7,819
\$50,000-\$74,999	6,566	282.7	6,366	98.9	56,378	43,312	90.0	14,157
\$75,000 and over	2,633	173.5	2,633	100.0	100,838	65,900	94.4	35,898

<sup>1</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census and the Conference Board, *A Marketer's Guide to Discretionary Income*, 1983.

**699. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1966) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1986**

as of March of following year. Beginning with 1980, based on householder concept and restricted to primary families. For definition of race, family, and householder, see text, section 1. Based on Current Population Survey; see text, sections 1 and 14 appendix M. For definition of median, see Guide to Tabular presentation. See also *Historical Statistics, Colonial Times to 1957*, series G 1-8, G 15-23, G 180-182, and G 197-199]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL								Median income (dol.)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over	
<b>ALL FAMILIES</b>										
1970	52,227	3.8	7.9	8.5	13.4	8.8	28.8	14.7	13.4	27,862
1971	50,245	3.3	8.3	10.3	10.5	11.0	27.0	14.7	14.8	27,848
1972	50,309	4.6	8.0	10.5	10.9	10.8	29.3	15.9	15.9	27,974
1973	51,383	5.3	8.0	10.7	10.7	11.0	19.3	18.4	15.6	28,518
1974	52,015	5.2	8.9	10.4	10.6	10.8	19.0	18.7	16.5	27,155
1975	52,708	4.8	8.7	10.2	10.3	10.2	18.7	18.0	18.0	27,803
1976	53,558	4.7	8.3	10.0	10.3	10.1	18.4	18.0	19.1	28,288
1977	54,491	4.8	7.8	9.7	9.7	8.9	18.1	18.5	20.7	28,458
<b>WHITE</b>										
1970	46,536	3.2	6.9	8.6	13.1	8.7	29.8	15.4	14.2	28,804
1971	46,873	2.8	7.2	9.8	10.3	11.0	27.9	15.3	15.8	28,067
1972	52,710	3.5	6.7	9.8	10.3	10.8	21.0	17.8	17.0	29,149
1973	53,407	4.2	7.8	10.2	10.7	11.2	19.9	19.3	16.8	27,948
1974	53,880	4.0	7.7	9.9	10.6	10.8	19.8	19.7	17.7	28,435
1975	54,400	3.8	7.5	9.8	10.1	10.4	18.4	20.0	19.3	29,226
1976	54,981	3.7	7.3	9.4	10.1	10.3	19.0	19.8	20.5	29,713
1977	55,878	3.5	6.7	9.0	9.7	9.9	18.8	20.6	22.1	30,808
<b>BLACK</b>										
1970	4,928	8.6	17.0	15.2	16.3	9.4	19.8	7.8	4.5	17,730
1971	5,588	8.8	19.0	14.9	12.5	11.8	19.4	8.3	5.3	17,885
1972	6,317	12.1	18.0	15.4	11.8	10.1	15.0	11.7	6.1	16,864
1973	6,530	15.0	19.0	15.2	10.8	9.7	14.9	10.8	4.5	15,447
1974	6,651	14.8	16.9	14.1	11.4	9.6	14.8	10.4	6.2	16,025
1975	6,778	14.0	18.4	14.7	12.0	9.5	13.7	10.8	7.1	16,288
1976	6,921	13.2	16.9	14.2	12.8	9.6	14.4	12.0	7.4	17,108
1977	7,088	14.0	16.2	13.8	10.7	9.6	14.7	12.4	8.7	17,804
<b>HISPANIC<sup>1</sup></b>										
1970	2,489	6.9	14.6	16.2	13.8	12.1	22.1	9.0	5.2	19,457
1971	3,235	8.3	13.7	15.8	13.9	11.9	17.0	13.2	6.9	19,882
1972	3,388	8.8	18.9	15.0	13.5	11.3	15.8	11.9	6.6	18,433
1973	3,788	9.2	18.4	14.4	13.7	12.0	15.7	11.9	6.9	18,832
1974	3,939	9.2	14.9	14.4	11.9	11.3	17.3	13.1	8.0	19,879
1975	4,208	8.2	16.5	14.8	12.0	11.2	16.2	12.6	8.5	19,383
1976	4,403	8.7	14.8	15.1	11.6	10.8	16.4	12.8	10.2	19,885

Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and unpublished data.

**700. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME IN CURRENT AND CONSTANT (1966) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1960 TO 1986**

See headnote, table 699. For definition of median, see Guide to Tabular Presentation. Minus sign (—) indicates decrease]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1966) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL FAMILIES	
	All families <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	All families <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	Current dollars	Constant dollars
1960	5,820	5,835	3,230	(NA)	20,807	27,603	11,959	(NA)	4.8	2.9
1961	6,857	7,251	3,993	(NA)	24,175	25,198	13,876	(NA)	4.4	3.1
1962	9,867	10,236	6,278	(NA)	27,862	28,804	17,730	(NA)	7.2	2.8
1963	10,285	10,872	6,440	(NA)	27,845	28,893	17,435	(NA)	4.2	1
1964	11,116	11,549	6,864	8,183	29,134	30,269	17,980	21,447	8.1	4.6
1965	12,051	12,595	7,269	8,715	29,734	31,076	17,935	21,503	8.4	2.1
1966	12,902	13,406	8,008	9,540	29,887	29,812	17,801	21,211	7.1	-3.1
1967	13,719	14,268	8,779	9,561	27,949	29,087	17,885	19,457	6.3	-2.8
1968	14,958	15,537	9,242	10,259	28,811	29,926	17,801	19,780	9.0	3.1
1969	16,008	16,740	9,583	11,421	28,986	30,289	17,303	20,885	7.0	5
1970	17,840	18,368	10,879	12,566	29,647	30,870	18,284	21,119	10.2	2.4
1971	19,587	20,439	11,574	14,189	29,588	30,875	17,483	21,403	11.0	-2
1972	21,023	21,904	12,874	14,716	27,974	29,146	16,864	19,582	7.3	5.5
1973	22,388	23,517	13,286	16,401	26,991	28,352	15,983	19,773	6.6	-3.5
1974	23,433	24,803	13,598	16,227	26,818	27,948	15,447	18,433	4.7	-1.4
1975	24,674	25,837	14,561	16,930	27,155	28,435	16,025	18,632	5.3	2.0
1976	26,433	27,686	15,432	18,833	27,903	29,226	16,280	19,879	7.1	2.8
1977	27,735	28,152	16,786	19,027	28,269	29,713	17,109	19,993	4.8	1.3
1978	29,458	30,809	17,804	19,885	29,458	30,809	17,804	19,985	6.2	4.2

Not available. <sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race. 1960 and 1965, Black and other races. <sup>4</sup> Change from 1965.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and unpublished data.

No. 701. MONEY INCOME OF FAMILIES—INCOME AND PERCENT OF AGGREGATE INCOME AT SELECTED POSITIONS RECEIVED BY EACH FIFTH AND TOP 5 PERCENT OF FAMILIES: 1966

[Families as of March 1967. For composition of regions, see fig. 1, inside front cover. Based on Current Population Survey; see headnote, table 699. See also *Historical Statistics, Colonial Times to 1970*, series G 31-138]

ITEM	All families	RACE			REGION			
		White	Black and other		Northeast	Midwest	South	West
			Total	Black				
Number (1,000).....	64,881	55,676	8,815	7,086	13,367	15,844	22,536	12,744
INCOME AT SELECTED POSITIONS (dollars)								
Upper limit of each fifth:								
Lowest.....	13,886	15,200	7,680	6,792	16,020	14,486	12,223	14,806
Second.....	24,020	25,452	15,000	13,400	26,508	24,500	21,500	25,424
Third.....	35,015	36,309	25,000	22,700	36,200	34,671	32,260	36,580
Fourth.....	50,370	51,780	39,862	35,780	54,451	46,660	47,500	52,908
Top 5 percent.....	82,273	84,627	67,295	59,000	86,324	77,053	78,850	67,104
PERCENT DISTRIBUTION OF AGGREGATE INCOME								
Lowest fifth.....	4.6	5.0	3.4	3.4	4.9	4.9	4.3	4.8
Second fifth.....	10.8	11.2	8.8	8.8	11.2	11.5	10.2	10.9
Third fifth.....	16.8	16.9	15.5	15.6	16.9	17.4	16.4	16.8
Fourth fifth.....	24.0	23.8	24.9	25.2	24.0	24.1	24.0	23.9
Highest fifth.....	43.7	43.1	47.4	47.0	43.1	42.0	45.1	43.5
Top 5 percent.....	17.0	16.8	18.0	17.5	16.5	15.9	17.9	16.9

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

No. 702. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME BY RACE AND HISPANIC ORIGIN: 1966

[Families as of March 1967. Based on Current Population Survey; see text, section 1, and Appendix III. For composition of regions, see fig. 1, inside front cover. For definition of median, see Guide to Tabular Presentations]

CHARACTERISTIC	NUMBER (1,000)				MEDIAN FAMILY INCOME (dollars)			
	All fami- lies	White	Black	His- panic <sup>1</sup>	All fami- lies	White	Black	His- panic <sup>1</sup>
All families.....	64,481	55,676	7,086	4,403	29,458	29,086	17,804	19,886
Region:								
Northeast.....	13,367	11,873	1,223	864	32,160	33,348	20,802	17,153
Midwest.....	15,844	14,260	1,370	274	29,584	30,511	17,380	21,710
South.....	22,536	18,405	3,871	1,430	26,708	29,141	16,236	18,949
West.....	12,744	11,137	632	1,835	30,965	31,378	22,149	21,226
Type of family:								
Married-couple families.....	51,537	46,410	3,742	3,118	32,605	33,426	26,583	23,912
Wife in paid labor force.....	26,498	25,202	2,448	1,584	38,346	38,972	31,948	30,206
Wife not in paid labor force.....	23,038	21,208	1,295	1,535	26,603	26,421	16,766	17,507
Male householder, no wife present.....	2,510	2,036	366	263	24,962	26,247	16,731	20,894
Female householder, no husband present.....	10,445	7,227	2,967	1,032	13,847	15,716	9,300	9,432
Number of earners: <sup>2</sup>								
Total.....	63,618	54,979	6,945	4,363	29,515	30,869	17,328	19,994
No earners.....	9,391	7,820	1,401	560	12,506	14,252	5,788	6,311
One earner.....	17,945	15,175	2,276	1,454	22,310	24,026	13,116	14,382
Two earners.....	27,228	24,015	2,440	1,713	35,106	35,848	27,694	26,376
Three earners.....	6,408	5,631	805	416	44,306	45,251	36,029	33,111
Four or more earners.....	2,647	2,338	223	190	55,655	57,037	43,345	40,165

<sup>1</sup> Hispanic persons may be of any race.

<sup>2</sup> Excludes families with members who are in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

**NO. 703. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER, AND SELECTED CHARACTERISTICS: 1985**

[Families as of March 1986. See headnote, table 699. For definitions, see text, section 1. For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G1-8 for U.S. data on total, White, Black and other races]

RACE OF HOUSEHOLDER, REGION, AND EDUCATION	Num- ber of fam- ilies (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL—									Medi- an in- come (dol.)
		Under \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000- \$24,999	\$25,000- \$29,999	\$30,000- \$39,999	\$40,000- \$49,999	\$50,000 and over	
<b>All families <sup>1</sup> .....</b>	<b>63,558</b>	<b>4.8</b>	<b>8.5</b>	<b>10.2</b>	<b>18.5</b>	<b>10.3</b>	<b>9.7</b>	<b>18.5</b>	<b>11.2</b>	<b>10.2</b>	<b>27,736</b>
<b>White, total .....</b>	<b>54,991</b>	<b>3.7</b>	<b>7.5</b>	<b>9.7</b>	<b>10.3</b>	<b>10.4</b>	<b>10.1</b>	<b>17.0</b>	<b>11.7</b>	<b>19.6</b>	<b>28,152</b>
Northeast .....	11,684	3.3	8.6	8.7	9.1	9.5	9.7	17.2	13.4	22.7	31,491
Midwest .....	14,200	4.1	6.9	9.2	10.1	10.7	10.9	18.8	11.6	17.6	28,964
South .....	18,211	4.0	8.3	11.1	11.3	10.9	9.8	15.7	10.7	18.2	27,104
West .....	10,697	3.2	7.8	9.2	9.8	10.2	9.6	16.7	12.2	21.6	30,239
<b>Householder completed <sup>2</sup>—</b>											
<b>Elementary school:</b>											
Less than 8 years .....	3,371	8.5	23.1	21.4	15.7	9.4	7.5	7.5	4.3	2.6	14,194
8 years .....	3,294	5.8	14.5	19.1	14.5	12.4	9.3	12.7	8.7	5.1	18,486
<b>High school:</b>											
1-3 years .....	6,031	5.8	11.9	15.9	15.0	12.8	10.3	12.6	8.2	7.5	20,519
4 years .....	18,979	3.2	6.4	9.0	11.1	11.5	11.9	20.4	12.5	14.0	28,608
<b>College:</b>											
1-3 years .....	8,902	1.7	4.0	5.8	8.2	10.5	11.5	21.0	15.3	22.2	33,398
4 years or more .....	11,744	.8	1.3	3.0	4.1	6.0	6.8	16.7	15.3	46.0	47,116
<b>Black, total .....</b>	<b>8,921</b>	<b>13.5</b>	<b>17.1</b>	<b>14.8</b>	<b>13.0</b>	<b>9.0</b>	<b>9.8</b>	<b>11.9</b>	<b>6.3</b>	<b>7.9</b>	<b>16,736</b>
Northeast .....	1,252	12.0	16.7	12.0	14.9	8.3	5.4	12.9	7.4	10.1	16,085
Midwest .....	1,368	18.0	19.1	12.5	11.0	7.9	7.1	10.6	6.7	9.1	15,956
South .....	3,710	13.9	17.4	16.4	13.3	9.6	8.3	11.6	5.0	4.7	15,816
West .....	591	8.5	12.4	10.1	11.3	8.9	12.9	14.5	11.6	9.8	24,453
<b>Householder completed <sup>2</sup>—</b>											
<b>Elementary school:</b>											
Less than 8 years .....	820	11.6	31.6	21.7	13.6	5.8	4.8	6.5	2.8	2.0	11,195
8 years .....	364	13.9	25.4	19.9	16.1	8.0	7.4	4.6	2.5	4.3	12,011
<b>High school:</b>											
1-3 years .....	1,241	16.8	22.3	15.3	14.5	8.0	8.5	9.3	4.6	2.8	13,444
4 years .....	2,336	11.6	13.7	14.9	13.3	10.6	9.1	14.6	7.1	5.2	18,576
<b>College:</b>											
1-3 years .....	1,073	9.1	11.3	10.4	12.6	9.7	13.0	15.5	8.4	10.2	22,833
4 years or more .....	631	.8	3.2	3.9	11.1	11.2	6.5	19.6	15.0	26.6	36,175
<b>Hispanic,<sup>3</sup> total .....</b>	<b>4,206</b>	<b>8.3</b>	<b>17.0</b>	<b>14.8</b>	<b>12.1</b>	<b>11.3</b>	<b>8.3</b>	<b>11.9</b>	<b>7.1</b>	<b>8.1</b>	<b>19,027</b>
Northeast .....	803	14.4	23.8	10.9	11.7	10.5	6.2	7.7	8.1	8.5	15,309
Midwest .....	291	8.8	12.8	11.4	11.8	13.5	10.4	13.0	9.7	9.0	22,300
South .....	1,376	7.9	18.0	16.4	11.3	11.9	8.3	13.8	6.8	7.7	19,139
West .....	1,737	5.8	15.3	18.0	13.0	10.8	11.6	12.3	7.4	7.7	19,998
<b>Householder completed <sup>2</sup>—</b>											
<b>Elementary school:</b>											
Less than 8 years .....	1,124	9.7	23.6	21.7	14.4	10.2	8.3	6.6	3.3	2.2	13,630
8 years .....	319	10.3	23.1	14.8	8.4	11.0	9.7	12.6	6.3	3.7	16,029
<b>High school:</b>											
1-3 years .....	610	10.1	17.8	17.1	12.9	14.7	8.9	9.7	4.1	4.4	16,581
4 years .....	967	4.6	11.1	12.8	13.4	11.8	11.6	14.7	10.1	10.0	23,167
<b>College:</b>											
1-3 years .....	457	3.8	7.5	5.4	10.6	12.5	10.7	23.4	12.1	14.2	29,734
4 years or more .....	319	.9	4.7	4.1	8.9	9.0	8.5	18.5	17.3	32.0	39,762

<sup>1</sup> Includes other races not shown separately.

<sup>2</sup> Restricted to families with householder 25 years old and over.

<sup>3</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

**NO. 704. MONEY INCOME OF FAMILIES—TYPE OF FAMILY, BY INCOME LEVEL: 1985**

[In thousands, except dollars. Families as of March 1986. Based on Current Population Survey; see headnote, table 699. For definition of median, see Guide to Tabular Presentation]

TYPE OF FAMILY	Num- ber of fam- ilies	INCOME LEVEL								Median income (dol.)
		Under \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000- \$24,999	\$25,000- \$34,999	\$35,000- \$49,999	\$50,000 and over	
<b>All families .....</b>	<b>63,558</b>	<b>3,080</b>	<b>5,429</b>	<b>6,495</b>	<b>6,671</b>	<b>6,534</b>	<b>11,612</b>	<b>11,940</b>	<b>11,618</b>	<b>27,736</b>
<b>Married-couple families .....</b>	<b>50,933</b>	<b>1,110</b>	<b>3,014</b>	<b>4,673</b>	<b>5,052</b>	<b>5,194</b>	<b>10,144</b>	<b>10,791</b>	<b>10,955</b>	<b>31,100</b>
Wife in paid labor force .....	27,489	335	704	1,364	2,087	2,821	5,804	7,084	7,490	36,431
Wife employed .....	26,021	274	555	1,187	1,852	2,417	5,552	6,834	7,347	37,082
Wife unemployed .....	1,467	61	148	197	215	204	252	249	142	22,659
Wife not in paid labor force .....	23,445	774	2,310	3,289	2,965	2,573	4,336	3,708	3,465	24,658
<b>Male householder, no wife present .....</b>	<b>2,414</b>	<b>173</b>	<b>259</b>	<b>278</b>	<b>321</b>	<b>306</b>	<b>416</b>	<b>394</b>	<b>267</b>	<b>22,622</b>
<b>Female householder, no husband present .....</b>	<b>10,211</b>	<b>1,777</b>	<b>2,155</b>	<b>1,542</b>	<b>1,295</b>	<b>1,034</b>	<b>1,263</b>	<b>756</b>	<b>306</b>	<b>13,680</b>

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.



No. 705. MEDIAN MONEY INCOME OF FAMILIES AND UNRELATED INDIVIDUALS, IN CURRENT AND CONSTANT (1985) DOLLARS: 1960 TO 1985

[See headnote, table 699. Unrelated individuals are persons not living with any relatives. See text, sections 1 and 14. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 179-186]

ITEM	1960	1960	1970	1975	1980	1981	1982	1982	1984	1980
CURRENT DOLLARS										
Families: <sup>1</sup>										
Married-couple families.....	5,873	7,330	10,516	14,867	23,141	25,065	26,019	27,286	29,612	31,100
Wife in paid labor force.....	6,900	8,633	12,276	17,237	26,879	29,247	30,342	32,107	34,886	36,431
Wife not in paid labor force.....	5,520	6,706	9,304	12,752	18,972	20,325	21,299	21,890	23,582	24,556
Male householder, no wife present.....	4,860	6,515	9,012	12,995	17,519	19,899	20,140	21,845	23,325	22,622
Female householder, no husband present....	2,998	3,535	5,083	6,844	10,408	10,900	11,484	11,788	12,803	13,660
Unrelated individuals:										
Male.....	2,480	3,194	4,540	6,612	10,839	11,848	12,470	12,888	13,566	14,921
Female.....	1,377	2,267	2,483	3,978	6,668	7,370	8,058	8,863	9,501	9,885
CONSTANT (1985) DOLLARS										
Families: <sup>1</sup>										
Married-couple families.....	21,333	24,992	29,134	28,716	30,211	29,647	28,996	29,462	30,886	31,100
Wife in paid labor force.....	25,064	29,434	34,010	34,453	35,091	34,584	33,816	34,606	35,905	36,431
Wife not in paid labor force.....	20,051	22,864	25,778	25,486	24,798	24,041	23,736	23,636	24,423	24,556
Male householder, no wife present.....	17,654	22,213	24,967	25,974	22,871	23,525	22,448	23,567	24,157	22,622
Female householder, no husband present....	10,781	12,053	14,110	13,680	13,556	12,964	12,799	12,729	13,260	13,660
Unrelated individuals:										
Male.....	9,009	10,690	12,578	13,216	14,261	14,014	13,896	13,916	14,050	14,921
Female.....	5,002	7,729	6,879	7,951	8,705	8,717	8,961	9,570	9,940	9,885

<sup>1</sup> Beginning 1900, based on household concept. Restricted to primary families, see source.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156, and earlier issues.

No. 706. MARRIED-COUPLE FAMILIES WITH EARNINGS, BY WORK EXPERIENCE IN 1983 OF HUSBANDS AND WIVES  
[As of March 1984]

WORK EXPERIENCE OF HUSBAND	NUMBER (1,000)					MEAN EARNINGS (dol.)				
	Total	Wife worked in 1980			Wife did not work in 1980	Total	Wife worked in 1983			Wife did not work in 1983
		Total	Worked at full-time jobs	Worked at part-time jobs			Total	Worked at full-time jobs	Worked at part-time jobs	
Total.....	42,182	26,706	19,183	9,523	13,477	26,574	30,614	32,495	26,824	24,229
Husband worked in 1983.....	39,885	26,406	17,699	6,719	13,477	29,684	32,406	34,206	28,944	24,229
Full-time jobs.....	37,042	24,879	16,766	8,112	12,183	30,966	33,356	34,963	30,035	26,079
Part-time jobs.....	2,843	1,530	923	607	1,313	12,980	18,029	20,438	14,367	7,100
Husband did not work in 1983.....	2,296	2,296	1,494	803	(x)	9,295	9,295	12,242	3,816	(x)

X Not applicable.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 153.

No. 707. PER CAPITA MONEY INCOME IN CURRENT AND CONSTANT (1986) DOLLARS, BY RACE AND HISPANIC ORIGIN: 1970 TO 1986  
[In dollars]

YEAR	CURRENT DOLLARS				CONSTANT (1986) DOLLARS			
	All races	White	Black	Hispanic <sup>1</sup>	All races	White	Black	Hispanic <sup>1</sup>
1970.....	3,177	3,354	1,860	(NA)	8,971	9,471	5,278	(NA)
1971.....	3,417	3,596	2,062	(NA)	9,251	9,736	5,583	(NA)
1972.....	3,769	3,966	2,300	(NA)	9,878	10,400	6,026	(NA)
1973.....	4,141	4,361	2,521	2,454	10,217	10,760	6,220	6,066
1974.....	4,445	4,677	2,718	2,736	9,863	10,309	6,043	6,091
1975.....	4,818	5,072	2,972	2,647	9,815	10,333	6,055	5,800
1976.....	5,271	5,556	3,286	3,179	10,152	10,701	6,329	6,123
1977.....	5,765	6,100	3,574	3,536	10,467	11,037	6,467	6,402
1978.....	6,455	6,797	4,034	3,981	10,649	11,423	6,760	6,657
1979.....	7,166	7,574	4,444	4,432	10,828	11,441	6,713	6,686
1980.....	7,787	8,233	4,604	4,666	10,362	10,955	6,392	6,474
1981.....	8,476	8,979	5,129	5,349	10,218	10,825	6,183	6,446
1982.....	8,980	9,527	5,360	5,448	10,201	10,822	6,089	6,196
1983.....	9,848	10,125	5,755	5,852	10,508	11,143	6,334	6,440
1984.....	10,328	10,939	6,277	6,401	10,902	11,547	6,626	6,757
1985.....	11,013	11,671	6,840	6,813	11,225	11,886	6,972	6,740
1986.....	11,670	12,362	7,207	7,000	11,670	12,362	7,207	7,000

NA Not available. <sup>1</sup> Hispanic persons may be of any race.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157

### 706. PER CAPITA MONEY INCOME, 1969 TO 1985, AND MEDIAN FAMILY INCOME, 1969 AND 1979, BY STATE

For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 205-258 and Appendix III.

STATE	PER CAPITA INCOME			MEDIAN FAMILY INCOME		STATE	PER CAPITA INCOME			MEDIAN FAMILY INCOME	
	1969	1979	1985	1969	1979		1969	1979	1985	1969	1979
United States	3,119	7,296	10,799	8,588	19,817	Mississippi	1,925	5,182	7,483	8,068	14,591
Alabama	2,317	5,892	8,681	7,283	16,347	Missouri	2,852	6,915	10,283	8,908	18,784
Alaska	3,725	10,193	13,850	12,441	26,395	Montana	2,898	6,589	8,781	8,509	18,413
Arizona	2,837	7,042	10,561	9,165	19,017	Nebraska	2,797	6,934	10,546	8,582	19,122
Arkansas	2,142	5,613	8,389	6,271	14,641	Nevada	3,554	8,453	11,200	10,687	21,311
California	3,614	8,294	11,685	10,728	21,537	New Hampshire	2,985	6,966	11,659	9,882	19,723
Colorado	3,108	7,898	11,713	9,552	21,279	New Jersey	3,674	8,127	13,129	11,403	22,906
Connecticut	3,888	8,511	14,080	11,808	23,149	New Mexico	2,437	6,120	8,814	7,845	16,928
Delaware	3,285	7,446	11,375	10,209	20,817	New York	3,608	7,496	11,785	10,609	20,180
District of Columbia	3,842	8,959	13,530	9,578	19,099	North Carolina	2,474	6,132	9,517	7,770	16,792
Florida	3,058	7,280	11,271	8,281	17,280	North Dakota	2,468	6,417	9,635	7,836	16,023
Georgia	2,640	6,380	10,191	8,165	17,414	Ohio	3,199	7,284	10,371	10,309	20,909
Idaho	3,373	7,740	11,003	11,582	22,750	Oklahoma	2,694	6,654	9,754	7,720	17,668
Illinois	2,644	6,248	8,587	8,380	17,482	Oregon	3,148	7,556	9,925	9,487	20,027
Indiana	3,405	8,084	11,302	10,957	22,745	Pennsylvania	3,086	7,075	10,286	9,554	19,995
Iowa	3,070	7,141	9,878	9,906	20,535	Rhode Island	3,121	6,897	10,882	9,733	19,448
Kansas	2,864	7,136	10,086	9,016	20,052	South Carolina	2,303	5,684	8,690	7,520	16,878
Kentucky	2,929	7,349	10,684	8,890	19,707	South Dakota	2,367	5,898	8,553	7,490	15,983
Louisiana	2,425	5,973	8,614	7,439	16,444	Tennessee	2,464	6,212	9,290	7,446	16,564
Maine	2,330	6,425	8,636	7,527	18,088	Texas	2,792	7,203	10,373	8,486	19,618
Maryland	2,548	5,786	9,042	8,205	16,167	Utah	2,897	6,305	8,535	9,320	20,024
Massachusetts	3,512	8,293	12,967	11,057	23,112	Vermont	2,772	6,177	8,619	8,929	17,205
Michigan	3,408	7,457	12,510	10,833	21,166	Virginia	2,986	7,475	11,894	9,044	20,018
Minnesota	3,357	7,686	10,902	11,029	22,107	Washington	3,357	8,073	10,886	10,404	21,896
Missouri	3,038	7,450	11,186	9,926	21,185	West Virginia	2,333	6,142	8,141	7,414	17,308
						Wisconsin	3,032	7,241	10,298	10,085	20,915
						Wyoming	2,895	7,927	9,782	8,944	22,430

U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, *1980 Census of Population*, vol. 1, chapter C (PC 80-1-C) and *Current Population Reports*, series P-26, forthcoming reports.

### NO. 706. PER CAPITA MONEY INCOME FOR 50 LARGEST CITIES: 1979 AND 1985

RANKED BY POPULATION-SIZE, 1985	1979	1985	Percent change, 1979-1985	CITIES RANKED BY POPULATION-SIZE, 1985	1979	1985	Percent change, 1979-1985
1. New York	7,271	11,188	53.9	Seattle	9,282	12,818	38.2
2. Los Angeles	8,415	12,084	43.6	Nashville-Davidson	7,276	11,253	54.7
3. Chicago	8,933	9,642	39.1	Austin	7,368	11,833	57.9
4. Philadelphia	8,817	12,115	37.4	Oklahoma City	7,998	11,527	44.1
5. Phoenix	8,053	8,807	45.5	Kansas City	7,480	11,153	49.1
6. San Antonio	6,215	8,652	42.4	Fort Worth	7,336	10,515	43.3
7. San Diego	8,016	11,768	48.8	St. Louis	5,877	8,799	49.7
8. Houston	8,610	12,818	48.9	Atlanta	6,639	10,341	56.1
9. San Jose	5,758	8,499	47.6	Long Beach	6,342	11,729	40.6
10. Portland	7,552	11,363	50.5	Portland	6,123	10,770	32.6
11. San Francisco	7,912	11,434	44.5	Pittsburgh	8,845	9,998	46.1
12. New Orleans	5,877	8,647	47.1	Miami	8,084	8,904	48.4
13. Dallas	9,265	13,575	46.5	Tulsa	8,842	12,670	43.3
14. San Diego	7,585	10,836	42.9	Cincinnati	8,874	10,247	49.1
15. San Diego	6,382	12,583	50.1	Albuquerque	7,440	11,133	49.6
16. San Diego	8,466	9,362	44.8	Tucson	8,551	9,430	43.9
17. San Diego	8,959	13,530	51.0	Oakland	7,701	10,911	41.7
18. San Diego	6,767	10,468	54.7	Minneapolis	7,940	12,302	54.9
19. San Diego	7,029	9,765	39.9	Charlotte	7,952	12,259	54.2
20. San Diego	6,555	10,774	64.4	Omaha	7,714	12,686	67.0
21. San Diego	6,783	9,909	46.1	Toledo	7,050	10,050	42.6
22. San Diego	6,483	8,975	38.9	Virginia Beach	7,704	12,039	56.3
23. San Diego	5,770	8,018	39.0	Buffalo	5,929	8,640	49.1
24. San Diego	8,563	12,480	46.0	Sacramento	7,558	10,827	40.6
25. San Diego	5,439	7,870	41.0	Newark	4,525	6,484	43.5

are for Honolulu County.

U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C (PC 80-1-C) and *Current Population Reports*, -26, forthcoming reports.

No. 710. MONEY INCOME OF PERSONS—PERCENT DISTRIBUTION BY INCOME LEVEL, MEDIAN, AND MEAN INCOME, BY SEX, 1970 TO 1985, AND BY AGE, RACE, HISPANIC ORIGIN, AND REGION, 1985

[As of March of following year. For 1970 and 1975, persons 14 years old and over; thereafter, 15 years old and over. Based on Current Population Survey; see headnote, table 699. For definitions of median and mean, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G 257-266, for percent distribution by income level, and median income]

SEX, YEAR, AGE, RACE, HISPANIC ORIGIN, AND REGION	All per- sons (mil.)	PERSONS WITH INCOME										Medi- an in- come (dol.)	Mean in- come (dol.)
		Total (mil.)	Percent distribution by income (in dollars) level—										
			1 to 1,999 or less <sup>1</sup>	2,000- 3,999	4,000- 5,999	6,000- 7,999	8,000- 9,999	10,000- 14,999	15,000- 24,999	25,000 and over			
MALE													
1970.....	70.6	65.0	18.8	13.7	12.9	14.7	13.2	17.7	6.8	2.3	6,670	7,537	
1975.....	77.6	71.2	12.9	12.0	10.8	10.0	9.6	21.7	17.5	5.4	8,853	10,429	
1980.....	82.9	76.7	9.1	8.0	8.2	7.8	6.8	17.1	25.5	17.5	12,530	15,340	
1981.....	84.0	79.7	8.9	7.6	7.8	7.5	8.6	15.8	24.5	21.4	13,473	16,515	
1982.....	85.0	79.7	9.1	7.0	7.3	7.2	6.1	16.0	23.6	23.6	13,950	17,381	
1983.....	86.1	80.9	9.0	6.9	6.9	7.0	5.9	15.2	23.2	25.8	14,631	18,109	
1984.....	87.0	82.2	8.1	6.5	6.8	6.7	5.6	14.6	22.4	29.2	15,600	19,436	
1985.....	88.5	83.6	7.5	5.9	6.3	6.4	5.9	14.8	22.3	31.4	16,311	20,652	
15-19 years old.....	9.2	6.2	52.8	21.3	11.0	9.5		3.8	1.5	.1	1,890	2,967	
20-24 years old.....	9.8	9.2	10.5	13.3	11.3	20.4		20.8	16.2	5.5	8,629	10,237	
25-34 years old.....	21.0	20.5	3.3	3.6	3.9	9.9		16.8	30.4	32.3	18,662	20,715	
35-44 years old.....	16.0	15.7	2.7	2.7	3.2	8.3		10.2	23.9	51.0	25,358	28,455	
45-54 years old.....	11.0	10.8	3.3	2.7	2.5	7.2		9.9	22.3	52.2	25,845	29,756	
55-64 years old.....	10.4	10.1	3.9	3.4	5.5	10.6		13.4	22.8	40.1	20,257	25,335	
65 yr. old and over.....	11.3	11.2	1.9	5.5	12.4	25.8		22.3	19.1	13.1	10,900	14,940	
White.....	76.6	73.2	7.1	5.5	5.9	11.7		14.3	22.3	33.5	17,111	21,523	
Black.....	9.3	8.1	11.2	9.9	10.2	15.9		16.5	22.2	14.3	10,766	13,376	
Hispanic <sup>2</sup> .....	6.2	5.5	8.0	8.4	8.8	18.8		17.9	21.4	18.8	11,434	14,480	
Northeast.....	18.6	17.6	6.9	5.2	5.8	11.2		13.9	23.3	33.7	17,581	21,955	
Midwest.....	21.8	20.8	9.0	6.4	6.4	11.3		13.3	22.9	30.9	16,377	19,924	
South.....	30.0	26.2	7.3	6.7	7.1	12.9		16.2	21.5	26.3	14,935	19,536	
West.....	18.1	17.1	6.9	4.8	5.3	13.0		13.7	21.4	34.7	17,300	22,041	
FEMALE													
1970.....	77.6	51.6	46.7	22.1	15.7	8.6	3.8	2.5	.4	.2	2,237	3,136	
1975.....	85.0	60.8	31.9	24.0	15.4	11.2	7.3	7.9	2.2	.3	3,365	4,513	
1980.....	91.1	60.8	24.8	18.6	13.3	10.3	7.9	14.2	9.0	1.9	4,920	6,772	
1981.....	92.2	62.1	22.8	17.2	13.4	10.0	7.9	15.0	10.9	2.7	5,458	7,440	
1982.....	93.1	62.5	21.7	15.9	13.1	9.9	7.6	15.1	12.7	3.9	5,867	8,195	
1983.....	94.3	63.8	20.7	14.7	12.9	9.6	7.4	15.4	14.0	5.2	6,319	8,760	
1984.....	95.3	65.6	19.2	13.6	12.6	9.8	7.4	15.0	15.6	6.6	6,863	9,584	
1985.....	96.4	68.5	18.3	13.2	12.2	9.7	7.4	15.9	16.2	6.2	7,217	10,173	
15-19 years old.....	9.1	5.8	55.7	22.4	10.4	8.0		2.7	.8	.1	1,796	2,585	
20-24 years old.....	10.2	9.2	18.1	17.2	13.8	20.7		19.3	9.7	1.2	6,155	7,400	
25-34 years old.....	21.1	19.3	17.9	9.0	8.6	14.9		17.4	22.6	9.6	9,879	11,591	
35-44 years old.....	16.6	15.3	18.2	8.0	8.0	14.8		15.4	22.0	13.6	10,275	12,705	
45-54 years old.....	11.7	10.6	19.1	10.0	8.0	14.2		18.4	20.5	12.1	9,619	11,942	
55-64 years old.....	11.7	10.6	19.6	14.2	10.9	15.9		14.6	15.9	9.0	7,173	10,478	
65 yr. old and over.....	18.1	15.8	4.0	18.9	24.0	26.0		12.7	9.3	5.1	6,313	8,982	
White.....	82.3	74.6	18.6	12.4	11.8	17.1		15.1	18.3	8.3	7,357	10,317	
Black.....	11.3	9.8	13.5	19.4	15.4	17.4		13.7	14.3	6.0	6,277	9,001	
Hispanic <sup>2</sup> .....	6.4	4.8	19.8	15.3	14.9	19.5		13.7	12.9	4.1	6,020	8,178	
Northeast.....	21.0	19.0	17.1	12.1	12.9	17.4		15.0	16.6	8.9	7,543	10,653	
Midwest.....	23.7	21.7	19.8	13.2	12.5	16.6		15.0	15.6	7.2	6,853	9,636	
South.....	33.0	29.1	18.5	15.1	12.3	16.9		14.9	14.9	7.2	6,796	9,610	
West.....	18.7	16.8	17.5	11.0	10.7	17.5		14.8	18.3	10.4	8,115	11,294	

<sup>1</sup> Includes persons with income deficit.      <sup>2</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

No. 711. MEDIAN MONEY INCOME OF YEAR-ROUND FULL-TIME WORKERS WITH INCOME, BY SEX AND AGE: 1970 TO 1986

[Age as of March of following year. Refers to civilian workers. For definition of median, see Guide to Tabular Presentation]

AGE	FEMALE					MALE				
	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986
Total with income.....	<sup>1</sup> 95,440	\$11,591	\$15,422	\$16,252	\$16,843	<sup>1</sup> 98,184	\$19,173	\$24,004	\$24,999	\$25,894
15-19 years old.....	<sup>2</sup> 3,783	6,779	8,509	8,372	8,333	<sup>2</sup> 3,950	7,753	8,863	9,050	9,730
20-24 years old.....	4,928	9,407	11,435	11,757	12,182	6,655	12,109	13,043	13,827	14,182
25-34 years old.....	5,923	12,190	15,896	16,740	17,067	9,128	17,724	21,607	22,321	22,882
35-44 years old.....	5,531	12,239	17,137	18,032	18,610	10,258	21,777	27,610	28,966	30,189
45-54 years old.....	5,588	12,116	15,745	17,009	18,057	9,931	22,323	28,545	29,660	31,657
55-64 years old.....	5,408	11,931	15,855	16,761	18,863	9,071	21,053	27,173	28,367	29,119
65 years old and over.....	4,884	12,342	15,230	16,336	17,180	6,764	17,307	26,450	26,146	27,388

<sup>1</sup> 14 years old and over.      <sup>2</sup> 14 to 19 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and earlier issues.

# NO. 712. PERSONS, FAMILIES, AND CHILDREN BELOW POVERTY LEVEL—NUMBER AND PERCENT, BY STATE: 1970

[Persons, families, and related children as of April of the following year. For explanation of poverty level, see text, section 14. Excludes unrelated individuals under 15 years of age, and persons in specified types of group quarters, i.e. inmates of institutions and persons living in military group quarters or in college dormitories. Poverty criteria computed on a national basis only and not adjusted for regional, State, or other local variations in cost of living. For details, see source.]

REGION AND STATE	PERSONS		FAMILIES		RELATED CHILDREN <sup>1</sup>		REGION AND STATE	PERSONS		FAMILIES		RELATED CHILDREN <sup>1</sup>	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent		Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
U.S.	27,393	12.4	5,670	8.6	10,026	16.0	South—						
Northeast	5,343	11.2	1,111	8.7	1,982	15.5	Conn.	611	11.8	129	8.2	216	14.9
ME	141	13.0	29	8.8	50	15.8	VA	287	15.0	62	11.7	102	16.5
NH	75	6.5	15	6.1	24	9.4	WV	840	14.8	183	11.8	299	18.3
VT	59	12.1	11	8.9	20	13.9	NC	500	16.6	106	12.1	185	21.0
MA	532	9.8	110	7.8	193	13.1	SC	884	16.6	189	13.2	342	21.1
RI	94	10.3	18	7.7	33	13.6	GA	1,297	13.5	266	9.9	427	18.5
CT	243	8.0	51	6.2	83	11.4	FL	828	17.8	144	14.8	230	21.6
NY	2,299	13.4	483	10.8	877	19.0	KY	736	16.5	164	13.1	263	20.6
NJ	889	9.5	148	7.6	278	14.1	TN	720	16.9	154	14.8	271	23.6
PA	1,210	10.6	245	7.8	426	13.9	MS	587	23.9	121	18.7	244	30.4
Midwest	6,010	10.6	1,239	8.0	2,179	13.0	AR	424	19.0	94	14.9	154	23.4
OH	1,069	10.3	228	8.0	401	13.2	LA	766	16.6	163	15.1	307	23.5
IN	516	9.7	107	7.3	189	11.9	OK	394	13.4	86	10.3	132	15.7
IL	1,231	11.0	247	8.4	478	14.9	TX	2,036	14.7	412	11.1	791	18.7
MI	946	10.4	195	6.2	361	13.3	West	4,766	11.3	839	8.8	1,883	14.2
WI	396	8.7	77	6.3	139	10.4	MT	94	12.3	19	9.2	32	13.8
MN	375	9.5	73	7.0	118	10.2	ID	117	12.6	24	9.6	43	14.3
IA	296	10.1	58	7.6	94	11.5	WY	36	7.9	7	5.8	11	7.7
MO	582	12.2	120	9.1	196	14.8	CO	265	10.1	55	7.4	91	11.5
ND	79	12.6	16	9.8	27	14.3	NM	226	17.6	47	14.0	91	22.1
SD	113	16.9	23	13.1	41	20.0	AZ	351	13.2	68	9.5	126	16.5
NE	183	10.7	33	8.0	53	12.1	UT	148	10.3	27	7.7	57	10.7
KS	232	10.1	47	7.4	73	11.4	NV	69	8.7	19	8.3	21	10.0
South	11,386	16.4	2,380	11.9	4,180	18.8	WA	396	9.8	78	7.2	126	11.6
DE	68	11.9	14	8.9	25	15.6	OR	274	10.7	54	7.7	85	12.0
MD	405	9.6	82	7.5	143	12.5	CA	2,627	11.4	521	6.7	947	15.2
DC	113	18.6	21	15.1	38	27.0	AK	42	10.7	8	6.6	15	12.1
							HI	92	9.9	18	7.8	36	13.0

<sup>1</sup> Under 18 years.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, chapter C (PC80-1-C).

## NO. 713. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL: 1959 TO 1986

[Persons as of March of the following year. For explanation of poverty level, see text, section 14.]

YEAR	NUMBER BELOW POVERTY LEVEL (mil.)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PERCENT OF POVERTY LEVEL		AVERAGE INCOME CUTOFFS FOR NON-FARM FAMILY OF 4 <sup>2</sup>	
	All races <sup>1</sup>	White	Black	Hispanic <sup>3</sup>	All races <sup>1</sup>	White	Black	Hispanic <sup>3</sup>	Number (mil.)	Percent of total population	At poverty level	At 125 percent of poverty level
1959	30.6	28.6	9.9	(NA)	22.4	18.1	55.1	(NA)	54.9	31.1	\$2,973	\$3,716
1960	30.9	28.3	(NA)	(NA)	22.2	17.8	(NA)	(NA)	54.6	30.4	3,022	3,778
1965	28.5	20.8	8.9	(NA)	14.7	12.2	41.6	(NA)	41.3	21.3	3,317	4,148
1969	24.1	18.7	7.1	(NA)	12.1	9.5	32.2	(NA)	34.7	17.4	3,743	4,679
1970	25.4	17.5	7.5	(NA)	12.6	9.9	33.5	(NA)	35.6	17.6	3,968	4,980
1975	25.9	17.8	7.5	3.0	12.3	9.7	31.3	25.9	37.2	17.8	5,500	6,875
1976	25.0	18.7	7.6	2.6	11.8	9.1	31.1	24.7	35.5	18.7	6,816	7,289
1977	24.7	18.4	7.7	2.7	11.8	8.9	31.3	22.4	35.7	18.7	8,191	7,739
1978	24.5	18.3	7.8	2.6	11.4	8.7	30.6	21.8	35.8	18.8	8,862	8,328
1979 <sup>4</sup>	25.3	18.8	7.8	2.9	11.8	8.9	30.9	21.6	35.6	18.3	7,412	9,285
1979 <sup>5</sup>	25.3	17.2	8.1	2.9	11.7	9.0	31.0	21.6	36.6	18.4	7,412	9,285
1980	26.3	18.7	8.6	3.5	13.0	10.2	32.5	25.7	40.7	18.1	8,414	10,516
1981	31.8	21.8	9.2	3.7	14.0	11.1	34.2	28.5	43.7	19.3	9,297	11,809
1982	34.4	23.5	9.7	4.3	15.0	12.0	35.8	29.9	46.5	20.3	9,862	12,328
1983	35.3	24.0	9.9	4.6	15.2	12.1	35.7	28.0	47.2	20.3	10,178	12,723
1984	33.7	23.0	9.5	4.8	14.4	11.5	33.8	28.4	45.3	19.4	10,809	13,281
1985	33.1	22.9	8.9	5.2	14.0	11.4	31.3	29.0	44.2	18.7	10,980	13,738
1986	32.4	22.2	9.0	5.1	13.8	11.0	31.1	27.3	43.5	18.2	11,203	14,004

NA Not available. <sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race. <sup>3</sup> Beginning 1981, income cutoffs for nonfarm families are applied to all families, both farm and nonfarm. <sup>4</sup> Population controls based on 1970 census; see text, section 14. <sup>5</sup> Population controls based on 1980 census; see text, sections 1 and 14.

Source: U.S. Bureau of the Census, Current Population Reports, series P-60, No. 157.

# NO. 714. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL, BY RACE OF HOUSEHOLDER AND FAMILY STATUS: 1979 TO 1986

(Persons as of March of following year. For explanation of poverty level, see text, section 14)

RACE OF HOUSEHOLDER AND FAMILY STATUS	BELOW POVERTY LEVEL					BELOW 125 PERCENT OF POVERTY LEVEL				
	1979 <sup>1</sup>	1983	1984	1985	1986	1979 <sup>1</sup>	1983	1984	1985	1986
<b>NUMBER (mil.)</b>										
<b>All persons<sup>2</sup></b>	38.1	35.8	33.7	33.1	33.4	38.8	47.5	45.3	44.2	43.5
In families	20.0	28.0	28.5	25.7	24.8	28.1	37.8	38.3	34.4	33.2
Householder	5.5	7.7	7.3	7.2	7.0	7.8	10.4	9.9	9.8	9.5
Related children under 18 years	10.0	13.4	12.9	12.5	12.3	13.4	17.2	18.4	15.8	15.5
Other family members	4.5	6.9	8.3	6.0	5.5	7.0	10.0	9.2	8.9	8.2
Unrelated individuals	5.7	6.9	6.6	6.7	6.8	8.0	9.1	9.1	9.1	9.4
<b>White</b>	17.2	24.2	23.0	22.8	22.2	25.2	33.8	32.1	31.5	30.7
In families	12.5	18.5	17.3	17.1	16.4	18.4	25.8	24.2	23.7	22.8
Householder	3.6	5.3	4.9	5.0	4.8	5.3	7.4	7.0	7.0	6.7
Related children under 18 years	6.9	8.6	8.1	7.8	7.7	8.2	11.4	10.7	10.3	10.0
Other family members	3.0	4.7	4.3	4.3	3.9	4.8	7.1	6.6	6.4	5.9
Unrelated individuals	4.8	5.3	5.2	5.3	5.2	6.5	7.3	7.3	7.2	7.4
<b>Black</b>	8.1	9.8	8.6	8.8	9.0	10.3	12.1	11.8	11.1	11.2
In families	5.8	8.4	8.1	7.8	7.4	8.8	10.3	9.9	9.3	9.2
Householder	1.7	2.2	2.1	2.0	2.0	2.2	2.7	2.8	2.5	2.5
Related children under 18 years	3.7	4.3	4.3	4.1	4.0	4.7	5.1	5.1	4.8	4.8
Other family members	1.3	1.9	1.7	1.5	1.4	1.9	2.5	2.3	2.1	1.9
Unrelated individuals	1.2	1.3	1.3	1.3	1.4	1.4	1.6	1.6	1.8	1.8
<b>In families with female householder, no husband present<sup>2</sup></b>	13.5	18.8	18.4	18.4	18.9	17.4	28.8	28.3	28.1	21.0
In families	9.4	12.1	11.8	11.8	11.9	11.6	14.4	14.0	13.7	14.2
Householder	2.8	3.6	3.5	3.5	3.6	3.3	4.3	4.2	4.2	4.3
Related children under 18 years	5.6	6.8	6.8	6.7	6.9	6.7	7.7	7.7	7.7	7.9
Other family members	1.1	1.8	1.6	1.4	1.4	1.6	2.4	2.1	2.0	1.8
Unrelated individuals	3.9	4.2	4.0	4.2	4.3	5.4	5.8	5.7	5.8	6.0
<b>In all other families<sup>2</sup></b>	12.8	18.7	17.8	16.7	15.4	19.2	28.7	25.0	24.1	22.8
In families	10.6	15.9	14.8	14.1	12.8	16.5	23.2	21.5	20.7	19.0
Householder	2.8	4.1	3.8	3.7	3.4	4.5	6.1	5.7	5.8	5.1
Related children under 18 years	4.4	6.7	6.2	5.8	5.3	6.8	8.5	8.7	8.2	7.8
Other family members	3.4	5.1	4.7	4.6	4.1	5.4	7.8	7.1	6.9	6.3
Unrelated individuals	2.0	2.7	2.6	2.5	2.5	2.7	3.4	3.4	3.3	3.4
<b>PERCENT OF POPULATION</b>										
<b>All persons<sup>2</sup></b>	11.7	18.2	14.4	14.0	13.8	18.4	30.5	19.4	18.7	18.2
In families	10.2	13.9	13.1	12.6	12.0	14.4	18.7	17.5	16.9	16.2
Householder	9.2	12.4	11.6	11.4	10.9	13.1	18.8	15.8	15.3	14.7
Related children under 18 years	16.0	21.6	21.0	20.1	19.8	21.3	28.0	26.6	25.5	25.1
Other family members	8.1	8.9	8.0	7.7	6.9	9.5	12.8	11.8	11.3	10.3
Unrelated individuals	21.9	23.5	21.8	21.5	21.8	30.7	31.4	29.9	29.0	29.8
<b>White</b>	9.0	12.2	11.5	11.4	11.0	13.1	17.8	18.1	15.7	15.2
In families	7.4	10.8	10.1	9.9	9.4	10.9	15.1	14.1	13.7	13.0
Householder	6.9	9.7	9.1	9.1	8.6	10.2	13.7	12.8	12.7	12.0
Related children under 18 years	11.4	17.0	16.1	15.6	15.3	15.9	22.7	21.3	20.5	20.0
Other family members	4.7	6.9	6.4	6.4	5.7	7.5	10.5	9.8	9.5	8.8
Unrelated individuals	18.7	21.0	19.9	19.6	19.2	28.6	28.9	27.9	27.0	27.3
<b>Black</b>	31.0	35.7	33.8	31.3	31.1	38.9	43.7	41.4	38.8	38.7
In families	30.0	34.7	33.2	30.5	29.7	38.0	42.7	40.7	37.9	37.1
Householder	27.8	32.3	30.9	28.7	28.0	36.2	40.2	38.2	35.8	35.0
Related children under 18 years	40.8	46.2	48.2	43.1	42.7	51.1	55.0	54.1	51.0	50.8
Other family members	18.2	23.6	20.5	17.7	15.5	26.1	30.8	27.7	24.8	23.3
Unrelated individuals	37.3	40.9	35.8	34.7	38.5	45.4	48.8	44.8	42.7	47.3
<b>In families with female householder, no husband present<sup>2</sup></b>	32.0	35.8	34.0	33.5	34.2	41.3	44.2	41.8	41.1	42.4
In families	34.9	40.3	38.8	37.6	38.3	43.2	47.9	45.3	44.5	45.8
Householder	30.4	36.1	34.5	34.0	34.8	38.2	43.7	41.5	40.8	41.8
Related children under 18 years	48.8	55.5	54.0	53.6	54.4	58.0	63.3	61.2	60.7	62.3
Other family members	18.9	22.2	19.1	17.3	17.5	23.9	29.7	25.7	24.2	24.1
Unrelated individuals	28.0	28.3	24.4	24.8	27.0	37.0	38.0	34.2	33.9	35.0
<b>In all other families<sup>2</sup></b>	7.8	10.1	9.3	8.9	8.2	10.6	14.4	13.6	13.8	11.9
In families	6.3	9.3	8.5	8.2	7.3	9.6	13.5	12.6	11.9	10.8
Householder	5.5	7.9	7.2	7.0	6.3	8.8	11.7	10.8	10.5	9.5
Related children under 18 years	8.5	13.5	12.5	11.7	10.8	13.0	19.3	17.7	16.5	15.4
Other family members	5.1	7.3	6.7	6.6	5.8	8.1	10.9	10.2	9.8	8.8
Unrelated individuals	16.9	20.2	18.7	17.4	17.5	22.9	25.8	24.6	23.2	23.5

<sup>1</sup> Population controls based on 1980 census; see text section 14. <sup>2</sup> Includes races and members of unrelated subfamilies not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 157, and unpublished data.

**NO. 716. PERSONS BELOW POVERTY LEVEL, BY RACE, HISPANIC ORIGIN, AGE, AND REGION: 1986**

[Persons as of March 1987. Based on Current Population Survey; see headnote, table 600. For explanation of poverty level, see text, section 14. For composition of regions, see fig. 1, inside front cover]

AGE AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	All races <sup>1</sup>	White	Black	Hispanic <sup>2</sup>
<b>Total</b>	<b>32,379</b>	<b>22,183</b>	<b>6,983</b>	<b>3,117</b>	<b>13.6</b>	<b>11.8</b>	<b>31.1</b>	<b>27.3</b>
Under 16 years old	11,650	7,437	3,730	2,298	21.0	16.5	43.8	36.4
16-21 years old	3,631	2,364	1,107	562	16.8	13.2	34.7	27.7
22-44 years old	9,543	6,718	2,420	1,558	10.8	9.0	23.4	21.4
45-64 years old	4,070	2,955	1,003	477	9.1	6.6	22.3	18.1
65 years old and over	3,477	2,680	722	204	12.4	10.7	31.0	22.5
<b>Northeast</b>	<b>5,211</b>	<b>3,698</b>	<b>1,170</b>	<b>1,113</b>	<b>10.5</b>	<b>8.9</b>	<b>24.0</b>	<b>32.7</b>
<b>Midwest</b>	<b>7,941</b>	<b>5,533</b>	<b>1,882</b>	<b>284</b>	<b>13.0</b>	<b>10.6</b>	<b>34.5</b>	<b>24.3</b>
<b>South</b>	<b>13,106</b>	<b>7,583</b>	<b>5,363</b>	<b>1,759</b>	<b>16.1</b>	<b>11.8</b>	<b>33.8</b>	<b>29.4</b>
<b>West</b>	<b>6,412</b>	<b>5,172</b>	<b>637</b>	<b>1,980</b>	<b>13.2</b>	<b>12.3</b>	<b>21.7</b>	<b>24.0</b>

<sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

**NO. 716. PERSONS 65 YEARS OLD AND OVER BELOW POVERTY LEVEL, BY SELECTED CHARACTERISTICS: 1970 TO 1986**

[Persons as of March of following year. See headnote, table 715]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL (1,000)					PERCENT BELOW POVERTY LEVEL				
	1970	1971 <sup>1</sup>	1984	1985	1986	1970	1971 <sup>1</sup>	1984	1985	1986
<b>Persons, 65 yr. and over<sup>2</sup></b>	<b>4,793</b>	<b>3,682</b>	<b>3,339</b>	<b>3,486</b>	<b>3,477</b>	<b>24.8</b>	<b>18.2</b>	<b>12.4</b>	<b>12.8</b>	<b>12.4</b>
White	4,011	2,911	2,579	2,806	2,869	22.8	13.3	10.7	11.0	10.7
Black	736	740	710	717	722	47.7	36.3	31.7	31.5	31.0
Hispanic <sup>3</sup>	(NA)	154	178	219	204	(NA)	26.8	21.5	23.9	22.5
<b>In families</b>	<b>2,013</b>	<b>1,380</b>	<b>1,205</b>	<b>1,173</b>	<b>1,164</b>	<b>14.8</b>	<b>8.4</b>	<b>6.7</b>	<b>6.4</b>	<b>6.2</b>
Householder	1,186	822	713	706	716	16.5	9.1	7.3	7.0	7.0
Male	980	629	489	498	520	15.9	8.4	6.0	6.0	6.1
Female	209	193	224	210	188	20.1	13.0	13.0	12.1	11.8
Other members	825	558	483	485	448	13.0	7.6	6.0	5.6	5.2
<b>Unrelated individuals</b>	<b>2,779</b>	<b>2,299</b>	<b>2,123</b>	<b>2,281</b>	<b>2,311</b>	<b>47.2</b>	<b>29.4</b>	<b>24.2</b>	<b>25.6</b>	<b>25.2</b>
Male	549	428	401	402	412	36.8	25.3	20.8	20.5	19.8
Female	2,230	1,871	1,722	1,879	1,899	49.8	30.5	25.2	27.0	26.8
<b>Persons, 65 yr. and over</b>	<b>5,977</b>	<b>4,763</b>	<b>4,466</b>	<b>4,877</b>	<b>4,847</b>	<b>21.3</b>	<b>13.8</b>	<b>12.8</b>	<b>12.3</b>	<b>11.7</b>

NA Not available. <sup>1</sup> Population controls based on 1980 census; see text, section 14. <sup>2</sup> Beginning 1979, includes members of unrelated subfamilies not shown separately. For earlier years, unrelated subfamily members are included in the "in families" category. <sup>3</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and unpublished data.

**NO. 717. CHILDREN BELOW THE POVERTY LEVEL, BY RACE AND HISPANIC ORIGIN: 1970 TO 1986**

[Persons as of March of the following year. Covers only related children in families under 18 years old. Based on Current Population Survey; see headnote, table 600. For explanation of poverty, see text, section 14. For composition of regions, see fig. 1, inside front cover]

YEAR AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	All races <sup>1</sup>	White	Black	Hispanic <sup>2</sup>
<b>1970</b>	<b>10,235</b>	<b>6,138</b>	<b>3,922</b>	<b>(NA)</b>	<b>14.9</b>	<b>10.5</b>	<b>41.5</b>	<b>(NA)</b>
<b>1971</b>	<b>10,344</b>	<b>6,341</b>	<b>3,636</b>	<b>(NA)</b>	<b>15.1</b>	<b>10.9</b>	<b>40.7</b>	<b>(NA)</b>
<b>1972</b>	<b>10,082</b>	<b>5,784</b>	<b>4,025</b>	<b>(NA)</b>	<b>14.9</b>	<b>10.1</b>	<b>42.7</b>	<b>(NA)</b>
<b>1973</b>	<b>9,453</b>	<b>5,462</b>	<b>3,822</b>	<b>1,364</b>	<b>14.2</b>	<b>9.7</b>	<b>40.6</b>	<b>27.8</b>
<b>1974</b>	<b>9,967</b>	<b>6,079</b>	<b>3,713</b>	<b>1,414</b>	<b>15.1</b>	<b>11.0</b>	<b>39.6</b>	<b>28.6</b>
<b>1975</b>	<b>10,882</b>	<b>6,748</b>	<b>3,884</b>	<b>1,919</b>	<b>16.6</b>	<b>12.5</b>	<b>41.4</b>	<b>33.1</b>
<b>1976</b>	<b>10,061</b>	<b>6,034</b>	<b>3,758</b>	<b>1,424</b>	<b>15.8</b>	<b>11.3</b>	<b>40.4</b>	<b>30.1</b>
<b>1977</b>	<b>10,528</b>	<b>5,943</b>	<b>3,850</b>	<b>1,402</b>	<b>16.0</b>	<b>11.4</b>	<b>41.6</b>	<b>28.0</b>
<b>1978</b>	<b>8,722</b>	<b>5,674</b>	<b>3,781</b>	<b>1,354</b>	<b>15.7</b>	<b>11.0</b>	<b>41.2</b>	<b>27.2</b>
<b>1979</b>	<b>9,983</b>	<b>5,909</b>	<b>3,745</b>	<b>1,505</b>	<b>16.0</b>	<b>11.4</b>	<b>40.8</b>	<b>27.7</b>
<b>1980</b>	<b>11,114</b>	<b>6,817</b>	<b>3,906</b>	<b>1,718</b>	<b>17.9</b>	<b>13.4</b>	<b>42.1</b>	<b>33.0</b>
<b>1981</b>	<b>12,068</b>	<b>7,429</b>	<b>4,170</b>	<b>1,874</b>	<b>19.5</b>	<b>14.7</b>	<b>44.9</b>	<b>35.4</b>
<b>1982</b>	<b>13,139</b>	<b>8,262</b>	<b>4,388</b>	<b>2,117</b>	<b>21.3</b>	<b>16.5</b>	<b>47.3</b>	<b>38.9</b>
<b>1983</b>	<b>13,427</b>	<b>8,534</b>	<b>4,273</b>	<b>2,251</b>	<b>21.8</b>	<b>17.0</b>	<b>48.2</b>	<b>37.7</b>
<b>1984</b>	<b>12,929</b>	<b>8,086</b>	<b>4,320</b>	<b>2,317</b>	<b>21.0</b>	<b>16.1</b>	<b>46.2</b>	<b>36.7</b>
<b>1985</b>	<b>12,483</b>	<b>7,838</b>	<b>4,057</b>	<b>2,512</b>	<b>20.1</b>	<b>15.6</b>	<b>43.1</b>	<b>39.6</b>
<b>1986</b>	<b>12,257</b>	<b>7,714</b>	<b>4,039</b>	<b>2,413</b>	<b>19.8</b>	<b>15.3</b>	<b>42.7</b>	<b>37.1</b>
<b>Northeast</b>	<b>1,903</b>	<b>1,341</b>	<b>492</b>	<b>556</b>	<b>16.0</b>	<b>13.3</b>	<b>32.7</b>	<b>47.2</b>
<b>Midwest</b>	<b>2,658</b>	<b>1,835</b>	<b>945</b>	<b>150</b>	<b>16.8</b>	<b>14.3</b>	<b>46.6</b>	<b>33.5</b>
<b>South</b>	<b>4,888</b>	<b>2,481</b>	<b>2,374</b>	<b>783</b>	<b>23.0</b>	<b>15.8</b>	<b>44.8</b>	<b>36.3</b>
<b>West</b>	<b>2,500</b>	<b>1,877</b>	<b>227</b>	<b>944</b>	<b>19.1</b>	<b>17.7</b>	<b>32.0</b>	<b>32.1</b>

NA Not available. <sup>1</sup> Includes persons of other races, not shown separately. <sup>2</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and earlier reports.



No. 718. FAMILIES BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL:  
1959 TO 1986

[Families as of March of the following year. For explanation of poverty level, see text, section 14]

YEAR	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PER OF POVERTY LE	
	All races <sup>1</sup>	White	Black	Hispan- ic <sup>2</sup>	All races <sup>1</sup>	White	Black	Hispan- ic <sup>2</sup>	Number (1,000)	Per
1959.....	8,320	6,185	1,890	(NA)	18.5	15.2	46.1	(NA)	11,790	
1960.....	8,243	6,115	(NA)	(NA)	18.1	14.9	(NA)	(NA)	11,525	
1968.....	5,784	4,106	1,620	(NA)	11.8	9.3	35.5	(NA)	8,637	
1968.....	5,009	3,575	1,356	(NA)	9.7	7.7	27.9	(NA)	7,353	
1970.....	5,280	3,708	1,481	(NA)	10.1	8.0	29.5	(NA)	7,516	
1971.....	5,303	3,751	1,434	(NA)	10.0	7.9	26.6	(NA)	7,761	
1972.....	5,075	3,441	1,529	(NA)	9.3	7.1	29.0	(NA)	7,347	
1973.....	4,828	3,219	1,527	466	8.8	6.8	28.1	19.8	7,044	
1974.....	4,822	3,352	1,479	526	8.8	6.8	26.9	21.2	7,195	
1975.....	5,450	3,838	1,513	627	9.7	7.7	27.1	25.1	7,974	
1978.....	5,311	3,560	1,617	596	9.4	7.1	27.9	23.1	7,647	
1977.....	5,311	3,540	1,637	591	9.3	7.0	26.2	21.4	7,713	
1978.....	5,280	3,523	1,622	559	9.1	8.9	27.5	20.4	7,417	
1979 <sup>3</sup> .....	5,320	3,515	1,608	610	9.1	6.8	27.6	19.7	7,566	
1979 <sup>4</sup> .....	5,461	3,581	1,722	614	9.2	6.9	27.8	20.3	7,764	
1980.....	8,217	4,195	1,828	751	10.3	8.0	26.9	23.2	8,764	
1981.....	6,851	4,670	1,972	792	11.2	8.8	30.8	24.0	9,566	
1982.....	7,512	5,118	2,158	916	12.2	9.8	33.0	27.2	10,279	
1983.....	7,661	5,254	2,161	965	12.4	9.7	32.3	26.0	10,410	
1984.....	7,277	4,925	2,094	991	11.6	9.1	30.9	25.2	9,901	
1985.....	7,223	4,963	1,963	1,074	11.4	9.1	28.7	25.5	9,753	
1986.....	7,023	4,811	1,967	1,065	10.9	8.6	28.0	24.7	9,476	

NA Not available. <sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race. <sup>3</sup> Popu controls based on 1970 census; see text, section 14. <sup>4</sup> Population controls based on 1960 census; see text, section 14.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

No. 719. FAMILIES BELOW POVERTY LEVEL—SELECTED CHARACTERISTICS, BY RACE AND HISPANIC ORIGIN: 1986

[In thousands, except percent. Families as of March 1987. For explanation of poverty, see text, section 14. For composite regions, see fig. 1, inside front cover]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL				PERCENT BELOW POVERTY LE			
	All races <sup>1</sup>	White	Black	Hispanic <sup>2</sup>	All races <sup>1</sup>	White	Black	Hispan
Total.....	7,023	4,811	1,967	1,066	10.3	6.6	23.0	
Age of householder:								
15-24 years old.....	925	634	278	159	31.5	26.3	56.6	
25-34 years old.....	2,292	1,540	666	403	15.2	12.1	34.4	
35-44 years old.....	1,526	1,051	408	253	9.9	7.9	24.3	
45-54 years old.....	811	521	249	128	7.4	5.6	20.2	
55-64 years old.....	752	567	166	64	7.7	8.5	20.3	
65 years old and over.....	716	498	196	58	7.0	5.4	22.1	
Northeast.....	1,158	853	271	276	8.6	7.2	22.1	
Midwest.....	1,683	1,203	442	66	10.6	8.4	32.3	
South.....	2,660	1,661	1,153	380	12.7	9.1	29.8	
West.....	1,325	1,074	122	381	10.4	9.6	19.2	
Size of family:								
2 persons.....	2,350	1,730	567	209	8.9	7.4	24.3	
3 persons.....	1,697	1,144	512	242	11.0	8.7	27.3	
4 persons.....	1,375	952	378	254	10.1	8.1	26.4	
5 persons.....	811	530	252	191	13.7	10.8	33.0	
6 persons.....	415	257	120	95	20.0	15.9	33.3	
7 persons or more.....	375	199	159	95	31.9	26.1	48.0	
Mean size.....	3.52	3.42	3.73	4.11	(x)	(x)	(x)	
Mean number of children per family with children.....	2.22	2.13	2.38	2.54	(x)	(x)	(x)	
Education of householder: <sup>3</sup>								
Elementary: Less than 8 years.....	1,000	689	272	386	25.5	22.8	34.4	
8 years.....	554	421	121	113	15.5	13.3	36.9	
High school: 1 to 3 years.....	1,371	876	453	162	18.5	14.6	35.6	
4 years.....	2,138	1,429	864	193	9.5	7.3	26.6	
College: 1 year or more.....	951	708	166	55	4.0	3.3	10.9	
Work experience of householder in 1986: <sup>4</sup>								
Total.....	8,961	4,780	1,967	1,066	11.0	8.7	68.5	
Worked.....	3,500	2,602	793	559	7.1	6.0	16.4	
50 to 52 weeks.....	1,452	1,114	266	259	3.7	3.2	8.3	
1 to 49 weeks.....	2,048	1,458	505	300	19.6	16.9	37.3	
Did not work.....	3,491	2,178	1,195	526	24.3	18.3	55.8	

X Not applicable. <sup>1</sup> Includes other races not shown separately. <sup>2</sup> Hispanic persons may be of any race. <sup>3</sup> Househ or 25 years old and over. <sup>4</sup> Restricted to families with civilian workers.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

**NO. 720. PERSONS BELOW POVERTY LEVEL AND POVERTY RATE, BY VALUATION TECHNIQUE AND TYPE OF NONCASH BENEFIT INCLUDED: 1980 TO 1986**

(Persons as of March of the following year. Valuation techniques that are used to measure noncash benefits are as follows: (1) Market value approach which is equal to the purchase price in the private market of the goods received by the recipient; and (2) recipient and/or cash equivalent approach which is the amount of cash that would make the recipient just as well off as the in-kind transfer or would reflect the recipient's own valuation of the benefit. For more information on the methodology, see source.)

VALUATION TECHNIQUE AND TYPE OF NONCASH BENEFIT INCLUDED	1980	1981	1983	1985	1984	1986	1986
<b>NUMBER BELOW POVERTY LEVEL (1,000)</b>							
Current poverty definition <sup>1</sup>	29,272	31,982	34,388	35,515	33,700	33,064	32,370
Market value approach:							
Including food and housing	25,042	27,932	30,608	32,123	30,103	29,409	29,896
Including food, housing, and medical benefits, excluding institutional expenditures	18,221	21,046	23,589	24,512	23,019	21,941	21,388
Recipient and/or cash equivalent approach:							
Including food and housing	25,895	28,851	31,385	32,718	30,909	30,351	29,793
Including food, housing, and medical benefits, excluding institutional expenditures	23,885	26,784	29,407	30,720	28,917	28,291	27,982
<b>PERCENT BELOW POVERTY LEVEL</b>							
Current poverty definition <sup>1</sup>	13.0	14.0	15.0	15.3	14.4	14.0	13.8
Market value approach:							
Including food and housing	11.1	12.3	13.4	13.9	12.9	12.5	12.2
Including food, housing, and medical benefits, excluding institutional expenditures	8.1	9.3	10.3	10.6	9.8	9.3	9.0
Recipient and/or cash equivalent approach:							
Including food and housing	11.4	11.8	13.7	14.1	13.2	12.8	12.5
Including food, housing, and medical benefits, excluding institutional expenditures	10.8	11.7	12.8	13.3	12.4	12.0	11.8

<sup>1</sup> See text, section 14.

Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1986*, Technical Paper 57

**NO. 721. PERSONS BELOW POVERTY LEVEL AND POVERTY RATE, BY SELECTED CHARACTERISTIC, USING ALTERNATIVE METHODS OF VALUING NONCASH BENEFITS: 1986**

(Persons as of March 1987. For explanation of valuation techniques, see headnote, table 720. For composition of regions, see fig. 1, inside front cover.)

CHARACTERISTIC	NUMBER (1,000)					PERCENT BELOW POVERTY LEVEL				
	Current poverty definition	Market value		Recipient value		Current poverty definition	Market value		Recipient value	
		Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures		Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures
<b>All persons</b>	32,370	29,896	31,388	29,793	27,982	13.8	12.3	9.0	12.8	11.8
Under 5 years old	4,798	4,363	3,480	4,472	4,311	22.1	20.1	16.1	20.6	19.9
5-17 years old	8,090	7,061	5,208	7,239	6,622	19.6	17.1	12.8	17.5	16.5
18-34 years old	4,133	3,823	3,302	3,822	3,776	15.8	14.4	12.5	14.8	14.3
35-44 years old	7,815	7,012	5,867	7,187	6,855	10.2	9.2	7.4	9.4	9.0
45-64 years old	4,070	3,782	2,886	3,888	3,582	9.1	8.4	6.4	8.6	8.0
65 years old and over	3,477	2,987	846	3,106	2,237	12.4	10.7	3.0	11.1	8.0
<b>Race</b>										
White	22,183	20,039	14,882	20,540	18,989	11.0	9.9	7.4	10.2	9.4
Black	8,983	7,864	5,705	8,171	7,813	31.1	27.3	19.8	28.3	28.4
Hispanic <sup>1</sup>	5,117	4,585	3,501	4,887	4,438	27.3	24.3	18.7	25.0	23.7
<b>Region</b>										
Northeast	5,211	4,440	2,886	4,702	4,254	10.6	9.0	5.4	9.5	8.6
Midwest	7,641	6,872	4,895	7,089	6,489	13.0	11.7	6.3	12.0	11.0
South	13,106	11,886	9,288	12,103	11,339	16.1	14.6	11.3	14.8	13.6
West	8,412	5,788	4,511	5,927	5,529	13.2	11.8	9.3	12.2	11.4

<sup>1</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1986*, Technical Paper 57

**NO. 722. GROSS AND NET STOCK OF FIXED REPRODUCIBLE TANGIBLE WEALTH IN CURRENT /  
CONSTANT (1982) DOLLARS: 1970 TO 1986**

(in billions of dollars)

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1986
<b>CURRENT DOLLARS</b>												
Gross stock, total	4,335	7,805	8,334	8,368	10,985	12,386	13,914	15,330	16,573	16,769	17,723	18,741
Equipment	1,583	2,686	2,982	3,297	3,727	4,247	4,849	5,432	5,840	6,180	6,499	6,861
Structures	2,752	4,919	5,372	6,063	7,177	8,119	9,065	9,899	10,032	10,607	11,235	11,880
Private	2,649	4,756	5,277	5,992	6,981	7,902	8,943	10,007	10,343	10,929	11,566	12,101
Nonresidential equipment	879	1,252	1,389	1,558	1,770	2,031	2,353	2,680	2,894	3,008	3,153	3,281
Nonresidential structures	774	1,409	1,532	1,896	2,004	2,194	2,491	2,623	2,965	3,087	3,260	3,411
Residential	1,195	2,084	2,356	2,739	3,207	3,677	4,098	4,503	4,484	4,834	5,133	5,401
Corporate	1,115	2,056	2,260	2,518	2,902	3,264	3,748	4,259	4,542	4,708	4,977	5,161
Noncorporate	1,533	2,700	3,017	3,474	4,080	4,638	5,195	5,748	5,801	6,223	6,599	6,901
Government	1,006	1,730	1,824	1,995	2,372	2,704	2,997	3,162	3,234	3,387	3,561	3,640
Equipment	224	314	339	367	408	456	521	580	651	700	739	801
Structures	782	1,416	1,484	1,628	1,966	2,248	2,476	2,572	2,583	2,687	2,822	3,041
Federal	871	549	592	635	710	802	910	987	1,059	1,123	1,162	1,261
Military	226	316	344	366	403	485	533	586	636	683	708	791
State and local	695	1,181	1,232	1,361	1,662	1,902	2,087	2,186	2,175	2,284	2,400	2,580
Consumer durable goods	680	1,119	1,234	1,372	1,552	1,780	1,974	2,162	2,295	2,452	2,606	2,791
Motor vehicles	264	428	481	548	627	713	786	863	919	1,003	1,086	1,201
Furniture, household equipment	314	506	648	593	681	732	817	887	949	995	1,039	1,091
Other	102	165	205	231	264	315	372	402	427	454	481	501
Net stock, total	2,837	4,806	5,014	5,825	6,864	7,436	8,312	9,084	9,310	9,778	10,328	10,881
Private	1,837	2,934	3,242	3,881	4,295	4,867	5,484	6,104	6,242	6,563	6,939	7,251
Government	627	1,070	1,119	1,218	1,449	1,644	1,808	1,894	1,926	2,005	2,100	2,281
Consumer durable goods	372	596	653	725	820	925	1,020	1,086	1,142	1,207	1,286	1,381
<b>CONSTANT (1982) DOLLARS</b>												
Gross stock, total	10,745	12,773	13,187	13,897	14,893	14,804	15,842	15,467	16,834	16,346	16,762	17,321
Equipment	3,344	4,236	4,421	4,638	4,889	5,148	5,355	5,558	5,741	5,952	6,223	6,531
Structures	7,399	8,536	8,737	8,958	9,204	9,456	9,887	9,908	10,093	10,293	10,539	10,790
Private	8,869	9,313	9,549	9,837	9,184	9,514	9,813	10,105	10,334	10,579	10,904	11,247
Nonresidential equipment	1,620	2,084	2,166	2,273	2,400	2,537	2,651	2,759	2,834	2,913	3,024	3,141
Nonresidential structures	2,118	2,429	2,483	2,540	2,809	2,886	2,769	2,866	2,951	3,020	3,104	3,194
Residential	3,251	3,800	3,900	4,023	4,154	4,291	4,393	4,481	4,548	4,646	4,776	4,901
Corporate	2,883	3,480	3,588	3,715	3,867	4,036	4,184	4,354	4,481	4,600	4,771	4,901
Noncorporate	4,106	4,833	4,961	5,122	5,297	5,477	5,619	5,752	5,853	5,979	6,132	6,281
Government	2,548	2,839	2,896	2,943	3,001	3,056	3,118	3,171	3,230	3,291	3,348	3,431
Equipment	518	532	541	549	561	575	582	609	637	665	689	724
Structures	2,030	2,307	2,354	2,395	2,440	2,481	2,525	2,562	2,594	2,627	2,659	2,806
Federal	922	934	944	952	955	980	998	1,018	1,046	1,075	1,098	1,131
Military	554	544	551	565	581	574	588	600	624	647	666	691
State and local	1,626	1,905	1,961	1,992	2,056	2,076	2,118	2,153	2,185	2,217	2,250	2,291
Consumer durable goods	1,206	1,620	1,713	1,818	1,928	2,034	2,111	2,190	2,270	2,375	2,511	2,651
Motor vehicles	463	639	681	727	777	820	844	873	908	962	1,033	1,101
Furniture, household equipment	545	701	732	767	804	844	879	911	940	975	1,020	1,074
Other	196	280	300	322	347	370	389	406	422	437	457	477
Net stock, total	6,886	7,743	7,933	8,177	8,467	8,762	8,972	9,165	9,299	9,499	9,780	10,071
Private	4,313	5,130	5,251	5,421	5,622	5,841	6,005	6,158	6,244	6,349	6,536	6,731
Government	1,584	1,753	1,777	1,796	1,828	1,852	1,878	1,898	1,925	1,949	1,974	2,001
Consumer durable goods	659	860	906	960	1,019	1,069	1,090	1,111	1,129	1,170	1,242	1,321

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January 1988 and August 1987, and *Fixed Reproducible Tangible Wealth in the United States, 1925-85*.

**NO. 723. TOP WEALTHHOLDERS WITH GROSS ASSETS OF \$300,000 OR MORE, BY SIZE OF NET WORTH AND SEX: 1982**

(All figures are estimates based on estate tax return samples. Net worth equals assets minus debts and mortgages. Minus (-) indicates negative net worth.)

ITEM	Unit	Total	NET WORTH					No.
			Under \$100,000 <sup>1</sup>	\$100,000 to \$250,000	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$4,999,999	
Top wealthholders, number	1,000	4,377.9	378.9	724.8	1,899.6	686.0	375.7	
Total assets	Mill. dol.	2,897,185	97,459	207,432	818,445	651,464	780,014	
Net worth	Mill. dol.	2,423,111	-6,709	130,084	718,696	581,576	691,186	
Top male wealthholders, number	1,000	2,958.7	318.6	595.2	1,013.3	482.4	231.5	
Total assets	Mill. dol.	1,748,082	68,356	162,895	424,345	372,458	504,472	
Net worth	Mill. dol.	1,381,425	-5,352	105,476	365,407	326,720	421,963	
Top female wealthholders, number	1,000	1,719.2	60.1	129.6	886.3	385.6	144.2	
Total assets	Mill. dol.	1,151,133	9,100	44,439	394,100	278,038	275,542	
Net worth	Mill. dol.	1,041,686	-1,367	24,607	361,169	256,156	268,176	

<sup>1</sup> Includes those wealthholders with negative net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1984-85.

# 724. TOP WEALTHHOLDERS WITH GROSS ASSETS OF \$300,000 OR MORE, BY STATE OF RESIDENCE: 1992

are estimates based on estate tax return samples. Net worth equals assets minus debts and mortgages. For composition of regions, see fig. 1, inside front cover.

L AND 1	Number of top wealth- holders (1,000)	Total assets (bil. dol.)	Net worth (bil. dol.)	MILLIONAIRES AS DEFINED BY NET WORTH		DIVISION AND STATE OR OTHER AREA	Number of top wealth- holders (1,000)	Total assets (bil. dol.)	Net worth (bil. dol.)	MILLIONAIRES AS DEFINED BY NET WORTH	
				Number (1,000)	Amount (bil. dol.)					Number (1,000)	Amount (bil. dol.)
	4,377.3	2,897.3	2,423.1	487.7	1,881.3	S.A.—Con.					
						MD <sup>1</sup>	86.0	87.9	60.2	5.8	33.3
						VA	99.2	43.8	38.5	4.9	14.8
						WV	6.4	7.7	4.7	.8	1.6
						NC	70.1	36.4	29.8	3.8	8.0
						SC	42.1	18.9	16.3	2.2	4.0
						GA	72.9	46.8	37.4	5.8	14.4
						FL	279.5	239.2	205.4	40.8	111.8
						E.J.C.	183.2	80.0	73.8	14.8	30.2
						KY	42.2	23.8	18.5	3.5	7.4
						TN	47.9	28.8	23.1	5.3	10.0
						AL	33.9	21.3	18.0	4.1	8.9
						MS	29.2	16.1	13.2	2.0	3.8
						W.L.C.	382.0	362.0	322.1	52.8	122.2
						AR	38.2	20.6	15.8	2.8	5.1
						LA	59.9	40.2	32.8	6.2	15.4
						OK	68.4	40.2	31.9	4.5	10.5
						TX	417.5	281.0	242.6	39.5	101.2
						MT	261.6	172.8	138.3	22.6	65.6
						WY	23.0	13.1	9.1	.9	2.1
						ID	14.5	10.8	7.7	1.0	2.5
						WY	13.3	10.1	8.4	1.3	2.8
						CO	72.9	52.9	42.0	6.9	19.3
						NE	13.8	9.1	7.0	1.1	2.8
						AZ	66.0	42.5	35.7	5.5	12.8
						UT	22.2	16.3	15.5	4.3	9.7
						NV	26.0	15.8	12.8	1.5	3.8
						PA	761.3	867.7	667.4	78.0	201.8
						WA	65.4	56.2	49.8	10.4	26.5
						OR	48.5	27.2	23.3	2.1	4.1
						CA	617.0	467.2	383.4	64.5	186.7
						AK	18.1	6.2	6.8	1.2	2.9
						HI	14.2	8.8	4.3	.8	1.7
						Other areas <sup>2</sup>	9.8	6.5	6.2	1.5	2.7

as District of Columbia. <sup>2</sup> U.S. citizens domiciled abroad.

U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1994-95.

# 26. TOP WEALTHHOLDERS WITH GROSS ASSETS GREATER THAN \$500,000, BY SIZE OF NET WORTH AND TYPE OF ASSET: 1982

(All figures are estimates based on a sample of estate tax returns)

TYPE OF ASSET	NUMBER (1,000)					AMOUNT (bil. dol.)				
	Total	Net worth				Total	Net worth			
		Under \$250,000 <sup>1</sup>	\$250,000–\$500,000	\$500,000–\$1,000,000	\$1,000,000 or more		Under \$250,000 <sup>1</sup>	\$250,000–\$500,000	\$500,000–\$1,000,000	\$1,000,000 or more
	1,885.1	254.9	434.6	388.8	487.7	2,148	122	244	661	1,122
Real estate	1,740.3	237.3	371.8	771.7	360.4	875	63	106	242	266
Stock	1,555.3	189.3	307.4	710.5	368.1	531	11	35	135	360
Other assets	629.7	112.6	178.8	325.9	214.8	181	15	21	35	111
Real estate	1,911.1	236.7	422.7	851.4	400.3	167	5	18	78	67
Other assets	755.2	43.7	88.7	388.5	216.3	126	1	4	36	66
Real estate	411.3	8.9	37.0	212.8	152.9	62	(2)	1	18	48
Savings	204.5	19.2	30.7	108.4	46.2	8	(2)	(2)	3	3
Federal	219.9	11.6	27.1	112.7	68.3	48	(2)	1	13	32
State and	328.2	13.1	40.6	181.5	83.1	14	(2)	1	6	7
Mortgages	822.8	80.6	188.3	388.0	233.9	87	8	10	30	51
Other equity	1,450.1	245.9	370.2	584.0	270.0	28	6	7	7	7
Other	1,903.0	245.2	427.2	835.8	394.9	336	16	48	66	184
Real estate	1,813.6	261.3	416.9	779.2	372.3	875	118	68	78	121
Other	(x)	(x)	(x)	(x)	(x)	1,788	9	176	582	1,581

applicable. <sup>2</sup> Less than \$500 million. <sup>1</sup> Includes those wealthholders with negative net worth.

U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1984-85.

No. 726. HOUSEHOLD NET WORTH—OWNERSHIP, MEDIAN EQUITY VALUE OF ASSET HOLDINGS, AND DISTRIBUTION OF NET WORTH, BY TYPE OF ASSET: 1984

[Equity values of asset and liability balances held at the end of months August-November 1984. Excludes persons in group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tabular Presentation]

TYPE OF ASSET	Percent of households owning asset type	Median value of holdings for asset owner	Percent distribution of net worth	TYPE OF ASSET	Percent of households owning asset type	Median value of holdings for asset owner	Percent distribution of net worth
Interest-earning assets at financial institutions .....	71.8	3,086	14.4	Checking accounts <sup>1</sup> .....	53.9	449	.8
Savings accounts .....	82.9	(NA)	(NA)	Stocks and mutual funds .....	20.0	3,892	6.8
Money market deposit accounts .....	15.7	(NA)	(NA)	Own home .....	64.3	40,597	41.3
Certificates of deposit .....	19.1	(NA)	(NA)	Rental property .....	9.8	34,556	9.0
Interest-earning checking .....	24.9	(NA)	(NA)	Other real estate .....	10.0	14,791	4.4
Other interest-earning assets .....	8.5	9,471	3.1	Vehicles .....	85.8	4,104	6.0
Money market funds .....	3.8	(NA)	(NA)	Business or profession .....	12.9	6,296	10.3
Government securities .....	1.4	(NA)	(NA)	U.S. savings bonds .....	15.0	300	.5
Corporate or municipal bonds ..	2.6	(NA)	(NA)	IRA or KEOGH accounts .....	19.5	4,606	2.2
Other interest-earning assets ...	2.6	(NA)	(NA)	Other financial instruments <sup>2</sup> .....	6.9	12,769	4.9

NA Not available. <sup>1</sup> Regular non-interest-earning checking accounts. <sup>2</sup> Includes mortgages held from sale of real estate amount due from sale of a business, unit trusts, and other financial investments.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

No. 727. HOUSEHOLD NET WORTH—PERCENT DISTRIBUTION BY SELECTED CHARACTERISTICS: 1984

[See headnote, table 726. Based on the Survey of Income and Program Participation; see text, section 14]

CHARACTERISTIC	Number of households (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY NET WORTH								Median (dol.)
		Zero or negative	\$1 to \$4,999	\$5,000 to \$9,999	\$10,000 to \$24,999	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 and over	
Total .....	98,780	11.0	15.3	6.4	12.4	14.8	18.3	15.3	5.9	32,887
Age of householder:										
Under 35 years old .....	25,730	19.1	28.9	11.0	17.2	11.9	8.2	2.9	.9	5,764
35-44 years old .....	17,393	9.7	12.5	6.1	13.4	18.3	21.4	13.7	4.7	35,581
45-54 years old .....	12,506	6.2	8.5	4.1	10.6	14.1	24.9	21.0	8.7	58,791
55-64 years old .....	12,920	5.3	7.7	3.3	7.8	13.3	25.3	25.7	11.6	73,684
65 years old and over .....	18,151	6.7	8.7	4.0	9.1	15.5	24.7	23.1	8.2	60,288
Race of householder:										
White .....	75,343	6.4	14.0	6.3	12.2	15.0	20.7	16.8	6.5	38,136
Black .....	9,509	30.5	23.9	8.8	14.0	11.7	9.3	3.3	.6	3,397
Hispanic <sup>1</sup> .....	4,162	23.9	26.3	7.6	11.4	9.5	13.1	5.1	3.1	4,913
Region:										
Northeast .....	18,533	12.4	13.7	8.2	10.5	13.8	21.2	17.0	5.6	37,734
Midwest .....	22,141	9.7	14.4	5.7	12.4	16.7	21.0	14.5	5.7	35,707
South .....	29,430	10.6	16.2	7.1	14.5	15.5	17.8	13.4	4.9	27,298
West .....	18,606	11.9	16.7	6.4	10.6	10.7	17.4	17.9	8.5	33,525
Type of household:										
Married-couple .....	50,608	6.0	10.5	5.6	12.2	15.6	22.7	19.5	8.0	50,116
Male householder .....	12,568	15.5	25.1	9.7	13.3	11.6	13.0	6.0	4.0	8,889
Female householder .....	23,596	19.3	20.3	6.4	12.2	13.5	15.3	10.3	2.6	18,889
Education of householder:										
Less than 12 years .....	24,736	15.1	17.2	6.6	12.4	15.9	18.6	11.3	2.9	23,447
High school, 4 years .....	27,454	10.1	17.0	6.3	12.7	14.6	19.9	14.8	4.6	31,892
College: 1-3 years .....	17,171	10.2	16.7	7.2	13.0	13.8	19.3	14.4	5.5	28,121
4 years .....	17,430	7.4	8.5	5.6	11.3	12.8	19.1	22.7	12.6	60,417
Tenure:										
Owner-occupied .....	55,820	1.4	2.9	3.9	13.1	19.6	26.0	22.5	8.7	63,263
Renter-occupied .....	30,970	28.3	37.6	11.0	11.1	5.2	3.6	2.3	.9	1,921

<sup>1</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

FIG. 2.69. HOUSEHOLD NET WORTH—OWNERSHIP PLATON AND MEDIAN VALUE UP FOLLOWING: 1994

Reference of assets and liabilities held at the end of months August-November 1994. Data exclude group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tables Presentation.

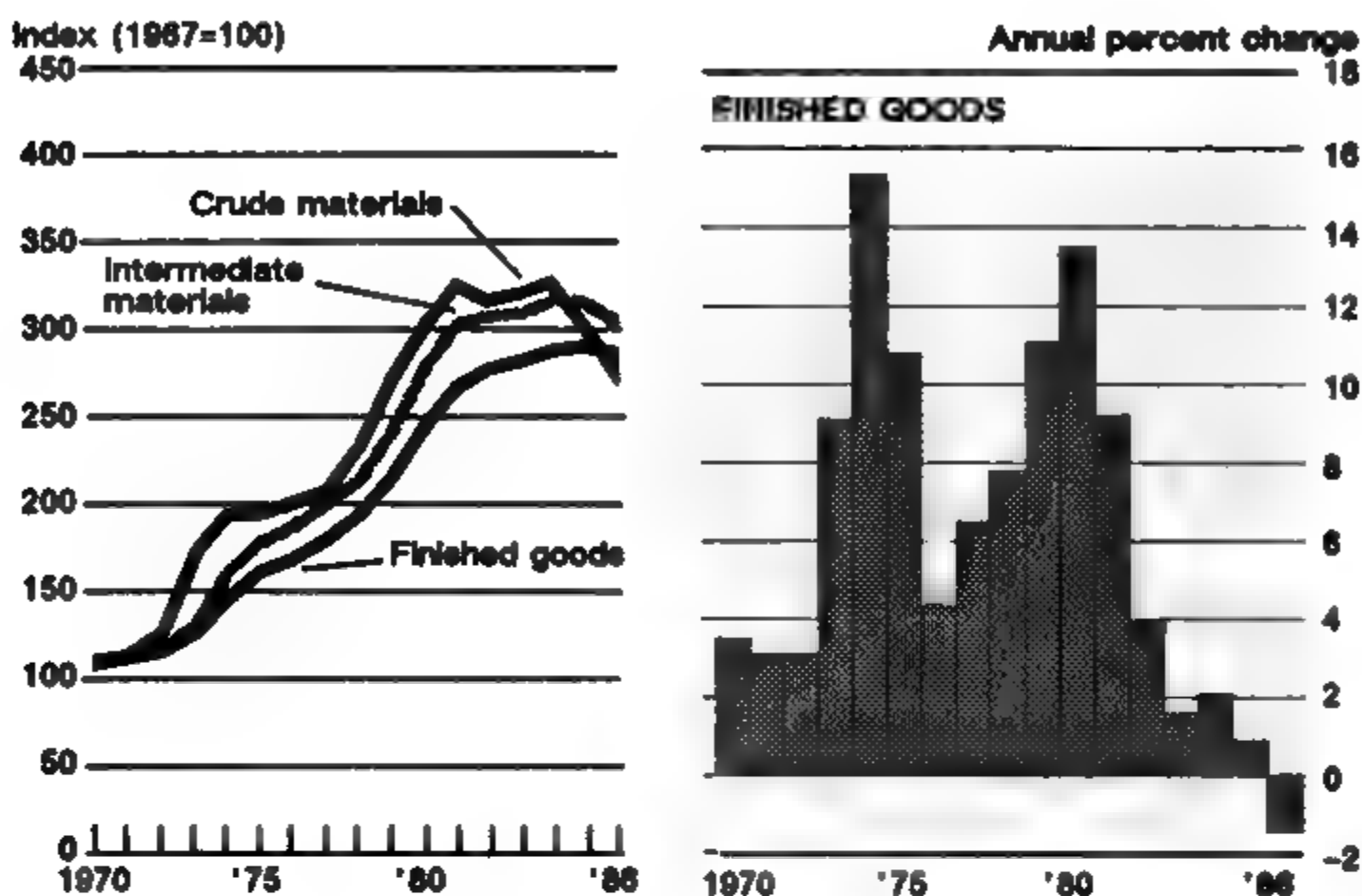
CHARACTERISTIC	Num- ber of house- holds (1,000)	PERCENT OWNED—										MEDIAN VALUE OF HOLDINGS FOR ASSET OWNER (\$000)							
		Inter- est- ing as- sets <sup>1</sup>	Other inter- est- ing as- sets <sup>2</sup>	Regular check- ing ac- counts <sup>3</sup>	Stocks and mutual fund shares	Own home	Rent- al prop- erty	Other real estate	U.S. sav- ings bonds	IRA or KEOGH ac- counts	Net worth	Inter- est- ing depos- its <sup>4</sup>	Other inter- est- ing as- sets <sup>5</sup>	Regular check- ing ac- counts <sup>6</sup>	Stock and mutual fund shares	Equity in own home	IRA and KEOGH ac- counts		
Total	98,780	71.8	6.5	63.8	20.8	12.9	96.8	64.3	9.8	10.0	18.0	19.5	31,867	3,098	9,471	648	3,882	60,387	4,895
Age of household:																			
Less than 35 years old	25,730	64.5	4.8	50.8	13.1	10.3	87.5	40.3	3.8	5.2	13.0	10.3	5,784	901	2,316	327	1,218	17,585	2,494
35 to 44 years old	17,393	72.4	7.8	59.0	22.8	18.3	91.7	89.3	10.0	10.4	17.8	21.8	35,581	1,894	5,280	410	3,187	37,285	4,438
45 to 54 years old	12,598	72.8	8.1	60.0	23.1	19.7	91.6	77.7	14.3	15.4	17.5	31.4	55,791	3,367	7,785	538	4,048	46,172	5,351
55 to 64 years old	12,820	78.0	11.5	55.4	25.5	15.1	89.1	80.2	15.4	15.9	18.3	28.9	73,884	7,340	13,558	585	5,882	54,059	6,390
65 years old and over	18,151	77.5	11.6	48.5	21.1	5.1	71.4	73.0	10.8	8.4	11.3	8.5	60,256	13,255	16,144	851	6,882	46,192	6,389
Race of household:																			
White	75,343	75.4	8.4	58.9	22.0	14.0	88.5	87.3	10.1	10.9	18.1	21.4	39,185	3,457	9,828	487	3,806	41,989	4,922
Black	9,508	43.8	2.1	32.0	5.4	4.0	85.0	43.8	5.6	3.3	7.4	5.1	3,587	739	(8)	316	2,777	24,077	2,450
Hispanic <sup>7</sup>	4,162	50.8	2.0	38.8	7.5	9.8	74.8	39.9	8.6	5.8	8.1	9.1	4,913	1,178	(8)	358	2,488	38,867	3,257
Region:																			
Northeast	18,533	77.4	8.7	50.7	22.2	10.7	78.5	81.0	9.1	7.3	19.8	23.8	37,734	3,823	9,101	424	3,872	49,213	4,914
Midwest	22,141	74.8	8.9	54.2	20.6	13.4	86.2	86.1	10.4	10.6	17.0	20.5	35,707	2,864	8,784	374	2,858	37,139	4,872
South	28,430	84.5	7.4	55.0	17.5	13.0	87.0	86.8	8.6	11.1	12.3	15.0	27,298	2,774	9,570	501	4,188	34,128	4,878
West	18,686	74.4	9.8	55.3	21.3	14.5	85.8	59.0	11.7	10.3	11.9	21.6	33,525	2,982	10,017	486	4,103	52,062	4,781
Type of household:																			
Married-couple house-																			
holds	50,805	78.2	8.6	58.5	24.4	17.6	85.8	77.2	11.8	13.3	18.8	25.1	50,118	3,338	9,180	477	3,486	42,634	5,498
Male householder	12,598	65.0	6.1	46.7	15.4	10.4	81.9	41.5	7.4	8.9	10.9	14.4	9,853	2,091	6,368	481	4,088	30,238	4,282
Female householder	23,586	81.5	8.2	45.9	13.1	4.0	88.1	48.8	6.6	4.6	9.2	10.3	13,885	2,941	10,653	368	4,277	38,009	3,876
Education of householder:																			
Less than 12 years	24,736	57.8	3.8	41.9	5.5	8.6	73.5	62.1	7.6	8.5	8.0	8.8	23,477	3,886	9,972	392	2,959	34,905	4,882
High school 4 years	27,454	70.9	6.2	56.4	16.8	11.7	88.8	86.1	8.8	9.5	15.7	18.1	31,882	2,583	7,434	381	3,187	39,880	4,457
College: 1 to 3 years	17,171	77.3	8.7	60.1	23.4	14.2	91.3	61.1	9.0	10.8	18.4	20.8	29,121	2,049	8,077	433	3,416	41,114	4,442
4 or more years	17,430	87.7	18.7	65.9	38.4	19.7	92.9	89.4	15.1	15.0	21.2	38.2	60,417	4,208	9,880	677	4,848	51,188	5,525
Tenure:																			
Owner	55,520	80.2	10.8	58.8	26.0	16.0	92.7	100.0	13.8	13.0	18.4	25.7	60,253	4,339	10,051	508	4,116	40,587	5,285
Renter	30,970	56.5	4.3	43.3	9.2	7.3	73.3	(X)	2.8	4.6	9.0	8.5	1,921	1,182	5,056	342	2,745	(X)	3,205

B. Base figure too small to meet statistical standards for reliability of derived figure. X Not applicable. <sup>1</sup> All financial institutions. Includes pension savings accounts, money market deposit accounts, certificates of deposit, and interest-bearing checking accounts. <sup>2</sup> Includes money market funds, U.S. Government securities, municipal and corporate bonds, and other interest-bearing assets. <sup>3</sup> Excludes interest-bearing checking. <sup>4</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, Current Population Reports, series P-70, No. 7

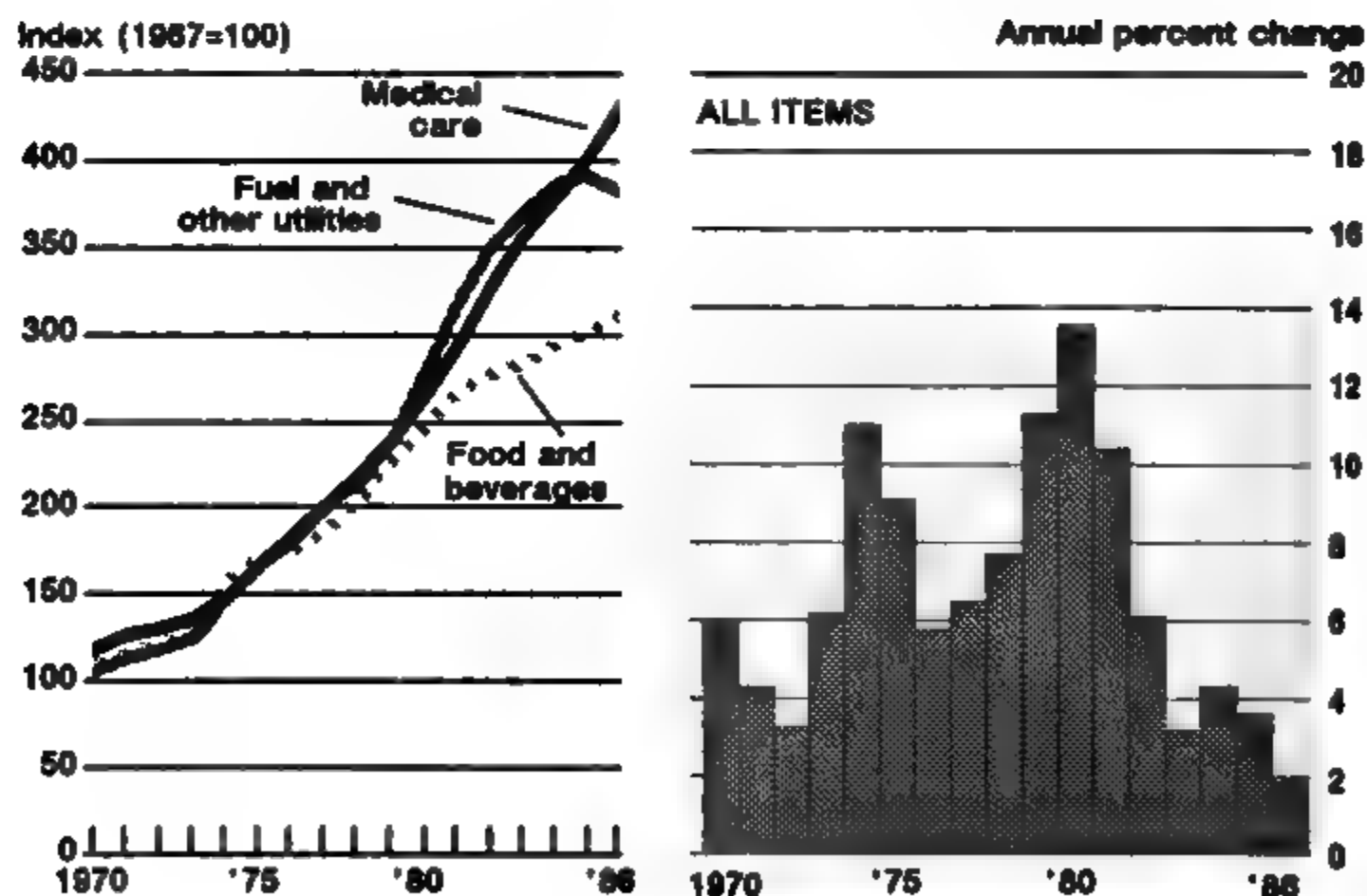


**Figure 15.1**  
**Producer Price Indexes by Stage of Processing: 1970 to 1986**



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 730 and 734.

**Figure 15.2**  
**Consumer Price Indexes: 1970 to 1986**



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 730 and 740.



## Section 15

# Prices

This section presents indexes of producer and consumer prices, actual prices for selected commodities and energy prices. The primary sources of these data are monthly publications of the Department of Labor, Bureau of Labor Statistics (BLS), which include: *Monthly Labor Review*, *Consumer Price Index, Detailed Report*, *Consumer Prices: Energy and Food*, and *Producer Price Indexes*. The Bureau of Economic Analysis of the Department of Commerce is the source for the gross national product implicit price deflators; see table 732. The Department of Agriculture's Economic Research Service (ERS) produces indexes of prices received and prices paid by farmers; see section 23.

The Bureau of Labor Statistics (BLS) prepares monthly indexes of producer prices for a large selection of commodities, and monthly indexes of consumer prices for both commodities and services.

**Producer price index.**—This index, dating from 1890, is the oldest continuous statistical series published by BLS. It is designed to measure average changes in prices received by producers of all commodities, at all stages of processing, produced in the U.S.

The index has undergone several revisions (see *Monthly Labor Review*, February 1982 and April 1978). It is now based on approximately 3,400 commodity price series instead of the approximately 3,200 included in the 1947-1980 period and the 900 included for the period prior to 1947. Indexes for the net output of mining and manufacturing industries have been added in recent years. Prices used in constructing the index are collected from sellers, and generally apply to the first significant large-volume commercial transaction for each commodity—i.e., the manufacturer's or other producer's selling price or the selling price on an organized exchange or at a central market.

The weights used in the index represent the total net selling value of commodities produced or processed in this country. Values are f.o.b. production point and are exclusive of excise taxes. Beginning in January 1987, the weights are values of net shipments of commodities as derived from the industrial censuses of 1982 and other data. For January 1976-December 1986, weights were based on 1972 shipment values.

**Consumer price indexes (CPI).**—The CPI is a measure of the average change in prices over time in a fixed "market basket" of goods and services purchased either by urban wage earners and clerical workers or by all urban consumers.

In 1919, BLS began to publish complete indexes at semiannual intervals, using a weighting structure based on data collected in the expenditure survey of wage-earner and clerical-worker families in 1917-19 (BLS Bulletin 357, 1924). The first major revision of the CPI occurred in 1940, with subsequent revisions in 1953, 1964, 1978, and 1987.

The current revision, initially issued with release of the January 1987 data, is based on updated "market baskets" of goods and services and revised expenditure weights derived from a 1982-1984 Consumer Expenditure Survey.

Effective with the January 1978 index, BLS began publishing CPI's for two population groups: (1) a new CPI for All Urban Consumers (CPI-U); and (2) a revised CPI for Urban Wage Earners and Clerical Workers (CPI-W) which represents about half the population covered by CPI-U. The CPI-U includes in addition to wage earners and clerical workers, groups which historically have been excluded from CPI coverage, such as professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, and retirees and others not in the labor force. Separate, although overlapping samples were used for the two indexes from January 1978 to January 1982. Thereafter, the same samples were used for both indexes.

In January 1983, the method of measuring homeownership costs in the CPI-U was changed to a rental equivalence approach. This treatment calculates homeowner costs of the shelter based on the implicit rent owners would pay to rent the homes they own. The rental equivalence approach was introduced into the CPI-W in January 1985.

Beginning with release of the CPI for January 1987, revised versions of the CPI-U and CPI-W were introduced. The current CPI is based on prices of food, clothing, shelter, fuels, transportation fares, charges for doctors' and dentists' services, drugs, etc. purchased for day-to-day living. Prices are collected in 91 areas across the country from over 60,000 housing units and 21,000 establishments. Area selection was based on the 1980 census. All taxes directly associated with the purchase and use of items are included in the index. Prices of food, fuels, and a few other items are obtained every month in all 91 locations. Prices of most other commodities and services are collected monthly in the five largest geographic areas and every other month in other areas.

In calculating the index, each item is assigned a weight to account for its relative importance in consumers' budgets. Price changes for the various items in each location are then averaged. Local data are then combined to obtain a U.S. city average. Separate indexes are also published for regions, area size- classes, cross-classification of region and size-classes, and for 27 local areas, usually consisting of the Metropolitan Statistical Area (MSA); see Appendix II. Area definitions are those established by the Office of Management and Budget in 1983. Definitions do not include revisions made since 1983. Area indexes do not measure differences in the level of prices among cities, they only measure the average change in prices for each area since the base period. For further detail regarding the CPI, see the BLS *Handbook of Methods*, vol. II, the Consumer Price Index, and Report 736, the CPI: 1987 Revision.

**Other price indexes.**—The fixed-weighted price index is a weighted average of the detailed price indexes used in the deflation of goods and services that make up the GNP. These price indexes are combined using weights that reflect the composition of GNP in 1982. Because the same weights are used for each period, changes in this index measure changes in prices over any period. The chain price index is an alternative measure of price change. It is a weighted average of the same detailed price indexes, but they are combined using weights that reflect the composition of GNP in the first of two consecutive periods. Thus, changes in this index measure changes in prices only between the consecutive periods.

The implicit price deflator is a by-product of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is a weighted average of the detailed price indexes used in the deflation of GNP, but they are combined using weights that reflect the composition of GNP in each period. Thus, changes in the implicit price deflator reflect not only changes in prices but also changes in the composition of GNP.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to the producer price index and the CPI, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

NO. 729. PURCHASING POWER OF THE DOLLAR: 1940 TO 1986

[1987=\$1.00. Producer prices prior to 1961, and consumer prices prior to 1964, exclude Alaska and Hawaii. For 1940 and 1945, producer prices based on all commodities index; subsequent years based on finished goods index. Obtained by dividing the average price index for the 1987 base period (100.0) by the price index for a given period and expressing the result in dollars and cents. Annual figures are based on average of monthly data]

YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—	
	Producer prices	Consumer prices		Producer prices	Consumer prices		Producer prices	Consumer prices
1940.....	\$2.469	\$2.381	1960.....	\$1.067	\$1.127	1974.....	.678	.677
1945.....	1.832	1.855	1961.....	1.067	1.116	1975.....	.612	.620
1948.....	1.252	1.387	1962.....	1.064	1.104	1976.....	.586	.587
1949.....	1.289	1.401	1963.....	1.067	1.091	1977.....	.550	.561
1960.....	1.286	1.387	1964.....	1.063	1.076	1978.....	.510	.512
1951.....	1.156	1.285	1965.....	1.045	1.058	1979.....	.459	.480
1952.....	1.163	1.258	1966.....	1.012	1.029	1980.....	.405	.405
1953.....	1.175	1.248	1967.....	1.000	1.000	1981.....	.371	.367
1954.....	1.172	1.142	1968.....	.972	.960	1982.....	.356	.346
1955.....	1.170	1.247	1969.....	.938	.911	1983.....	.351	.335
1956.....	1.138	1.229	1970.....	.907	.860	1984.....	.343	.321
1957.....	1.098	1.186	1971.....	.860	.824	1985.....	.340	.310
1958.....	1.073	1.155	1972.....	.853	.799	1986.....	.345	.304
1959.....	1.075	1.145	1973.....	.782	.751			

Source: U.S. Bureau of Labor Statistics. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business*.

## NO. 730. ANNUAL PERCENT CHANGE IN SELECTED PRICE INDEXES: 1960 TO 1966

(Yearly averages. Minus sign (-) indicates decrease. GNP=Gross national product; see text, section 15)

	CONSUMER PRICES						PRODUCER PRICES					GNP DEFLATOR <sup>a</sup>			
	All items	Food	Fuel oil and coal <sup>1</sup>	Gas (piped) and electricity	Rent	Services	Finished goods		Intermediate goods	Crude goods		Total	Domestic business	Non-farm business	PCE <sup>a</sup> deflator
							Total	Consumer goods		Total	Fuel				
1960	1.6	1.0	-7	4.1	1.4	3.3	.8	1.0	-	-2.4	1.0	1.6	1.2	1.2	1.9
1961	1.6	1.3	2.0	.8	1.3	2.0	-	-2	-6	-5	-2	1.0	.9	.6	1.2
1962	1.1	.9	.5	-	1.2	1.9	.8	.3	-1	1.0	-5	2.2	1.8	2.1	1.8
1963	1.2	1.4	1.9	-	1.1	2.0	-3	-5	.3	-2.2	1.2	1.6	.9	.9	1.5
1964	1.3	1.3	-6	-	.9	1.6	.4	.2	.3	.9	.4	1.5	1.2	1.2	1.7
1965	1.7	2.2	2.0	-	1.0	2.2	1.7	1.9	1.4	5.1	.8	2.7	2.3	2.0	1.7
1966	2.9	5.0	2.5	.2	1.3	3.9	3.2	3.4	2.5	6.4	3.0	3.6	3.1	2.8	3.1
1967	2.9	.9	3.1	.4	1.8	4.4	1.2	.6	.8	-5.4	3.8	2.8	2.5	3.0	2.6
1968	4.2	3.8	3.1	.9	2.4	6.2	2.8	2.7	2.3	1.6	2.3	5.0	4.6	4.3	4.5
1969	5.4	5.1	2.4	1.9	3.2	6.9	3.7	3.6	3.4	6.7	4.2	5.8	4.9	4.9	4.3
1970	5.9	5.5	4.3	4.4	4.2	8.1	3.5	3.1	3.9	3.8	15.0	5.5	4.7	4.9	4.6
1971	4.3	3.0	6.7	6.9	4.6	5.8	3.1	2.7	3.8	2.5	13.4	5.7	4.9	4.9	4.7
1972	3.3	4.3	.9	5.1	3.5	3.8	3.1	3.3	4.0	10.9	7.0	4.7	4.0	3.8	4.0
1973	6.2	14.5	14.6	4.9	4.3	4.4	9.1	10.6	10.9	36.4	10.6	6.5	6.4	4.7	6.2
1974	11.0	14.4	57.8	16.3	5.1	9.3	15.3	16.6	23.8	12.7	33.4	9.1	9.3	9.7	10.5
1975	9.1	8.5	9.6	16.3	5.1	9.5	10.6	9.6	10.5	.4	23.7	9.6	10.0	10.7	8.0
1976	5.8	3.1	6.6	11.4	5.4	6.3	4.4	3.7	5.1	2.9	12.4	6.4	6.0	6.3	5.7
1977	6.5	6.3	13.0	12.9	6.1	7.7	6.5	6.5	6.6	3.2	21.9	6.7	6.8	6.7	6.5
1978	7.7	10.0	5.3	9.0	6.8	8.5	7.8	7.9	7.0	12.0	14.7	7.3	7.3	7.0	7.3
1979	11.3	10.9	35.1	10.8	7.3	11.0	11.1	11.8	12.8	17.0	18.9	8.9	9.0	8.8	9.2
1980	13.5	8.6	37.9	17.1	8.9	15.4	13.5	14.2	15.3	11.0	21.2	9.0	9.1	9.7	10.7
1981	10.4	7.9	21.8	14.6	8.7	13.1	9.2	9.0	9.2	9.0	22.1	9.7	9.7	9.8	9.2
1982	6.1	4.0	-1.2	13.6	7.6	9.0	4.0	3.6	1.4	-2.9	16.0	6.4	6.0	6.4	6.7
1983	3.2	2.1	-8.0	6.9	5.8	3.5	1.6	1.3	.6	1.3	5.1	3.9	3.5	3.6	4.1
1984	4.3	3.8	2.2	3.8	5.2	5.2	2.1	2.0	2.5	2.2	-	3.7	3.5	3.2	3.8
1985	3.6	2.3	-3.5	1.7	6.1	5.1	.9	.5	-4	-7.5	-2.3	3.2	2.9	3.5	3.4
1986	1.9	3.2	-19.0	-1.3	5.8	5.0	-1.4	-2.4	-3.5	-8.5	-10.1	2.6	2.3	2.5	2.2
1987	1.3	1.4	1.2	.2	1.1	2.0	.4	.3	.3	.5	.2	1.8	1.4	1.4	1.6
1988	4.0	3.1	1.5	2.6	5.7	5.7	2.9	2.7	2.6	2.5	5.6	4.4	3.9	4.0	3.8
1989	6.8	8.8	18.4	9.6	4.5	6.5	8.2	8.3	10.4	11.9	17.2	7.1	6.9	6.7	6.7
1990	6.9	7.7	18.8	12.2	6.9	10.2	8.6	8.8	9.3	9.1	17.8	7.6	7.7	7.7	7.9
1991	5.5	4.0	2.2	9.4	6.7	7.1	3.5	3.2	2.6	.1	8.1	5.4	5.1	5.3	5.2

presents zero. <sup>1</sup> Includes bottled gas. <sup>2</sup> Source: U.S. Bureau of Economic Analysis, *The National Income and Accounts of the United States, 1929-62, and Survey of Current Business*, July 1967. Index 1962=100. <sup>3</sup> Personal consumption expenditures. See table 732. <sup>4</sup> Base year for percent change is 1969. <sup>5</sup> Average annual change. For explanation of average annual percent change, see Guide to Tabular Presentation.

c: Except as noted, U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

## NO. 731. INDEXES OF SPOT PRIMARY MARKET PRICES: 1970 TO 1987

1988. Index computed weekly through 1981; daily, beginning May 27, 1981. Represents unweighted geometric average of quotations of 22 commodities. This index is much more sensitive to changes in market conditions than is a monthly air price index.

1 AND NUMBER OF COMMODITIES	1970 (5-16)	1975 (5-24)	1979 (5-27)	1979 (5-28)	1986 (5-24)	1981 (5-26)	1982 (5-25)	1983 (5-23)	1984 (5-22)	1985 (5-21)	1986 (5-20)	1987 (5-29)
commodities (22)	113.6	186.9	230.0	261.3	266.1	267.9	247.6	246.8	293.9	261.4	219.0	249.2
Rs (9)	112.2	215.3	236.1	265.1	260.9	244.2	252.8	246.1	299.9	246.1	205.5	214.9
metals (13)	114.4	174.1	224.4	293.0	268.0	266.4	243.9	252.3	299.7	253.6	226.9	275.9
oil and products (5)	123.6	240.8	279.0	336.3	250.6	265.2	312.1	278.1	394.5	284.5	231.2	301.3
grains (6)	125.2	186.8	220.8	332.8	257.9	267.3	218.2	225.9	253.4	201.2	191.2	236.3
and fibers (4)	89.8	168.6	173.6	192.2	234.7	243.0	206.8	206.0	244.1	220.8	218.9	247.3
fuels (4)	126.6	213.6	253.5	289.4	229.5	236.7	255.7	225.9	363.5	273.1	166.5	196.9

c: 1970-1981, U.S. Bureau of Labor Statistics, *Tuesday Spot Market Price Indexes and Prices*, weekly and monthly. d: Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY, *CRB Commodity Index* weekly (copyright).

## NO. 732. GROSS NATIONAL PRODUCT IMPLICIT PRICE DEFLATORS: 1970 TO 1986

[1982 = 100, except as indicated. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR OR PERIOD	Gross national product	Personal consumption expenditures	FIXED INVESTMENT <sup>1</sup>			Exports	Imports	Govt. purchases of goods and services	Final sales
			Total	Residential	Nonresidential				
1970	42.0	42.9	39.0	37.0	39.9	36.7	29.0	36.1	42.0
1971	44.4	44.9	41.2	39.0	42.4	40.4	30.2	41.0	44.4
1972	46.5	46.7	43.2	41.2	44.4	41.7	32.0	43.6	46.5
1973	49.5	49.8	45.6	44.8	48.0	47.1	35.5	47.1	49.5
1974	54.0	54.8	50.3	49.8	50.5	56.3	50.4	52.2	54.1
1975	59.3	59.2	56.9	54.2	57.9	62.1	54.1	57.7	59.2
1976	63.1	62.6	60.7	58.0	61.9	64.8	55.7	61.5	63.0
1977	67.3	66.7	65.6	64.8	65.1	68.0	59.8	65.8	67.2
1978	72.2	71.6	71.9	72.6	71.5	72.8	65.8	70.4	72.1
1979	78.8	78.2	78.9	81.4	77.8	81.6	77.1	78.8	78.5
1980	85.7	86.6	86.3	89.4	85.1	90.2	86.0	85.5	85.8
1981	94.0	94.6	94.2	96.6	93.4	97.5	101.8	93.4	93.9
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	103.9	104.1	99.8	102.2	98.8	101.3	97.4	104.0	103.9
1984	107.7	106.1	100.2	106.0	97.9	103.2	97.1	108.6	107.7
1985	111.2	111.8	100.5	108.2	97.5	101.3	94.8	112.6	111.1
1986	114.1	114.3	102.3	111.1	99.5	99.7	92.1	115.3	114.1
AVERAGE ANNUAL PERCENT CHANGE									
1970-1975	7.1	6.7	7.9	7.9	7.7	9.9	13.3	6.7	7.1
1975-1980	7.8	7.9	8.7	10.5	8.0	7.8	12.2	8.2	7.7
1980-1985	5.4	5.2	3.1	3.9	2.6	2.4	-3	5.7	6.3
1976	6.4	6.7	6.7	7.0	6.9	4.3	3.0	6.6	6.4
1977	6.7	6.5	6.1	11.4	6.8	4.9	7.4	7.0	6.7
1978	7.3	7.3	9.6	12.4	6.2	7.1	10.0	7.0	7.3
1979	8.9	8.2	9.7	12.1	6.8	12.1	17.2	8.1	8.8
1980	9.0	10.7	9.4	8.8	9.4	10.5	24.5	11.3	9.3
1981	8.7	8.2	9.2	8.1	9.8	8.1	5.6	9.2	8.4
1982	6.4	6.7	6.2	3.5	7.1	2.6	-1.6	7.1	6.5
1983	3.9	4.1	-2	2.2	-1.2	1.9	-2.6	4.0	3.9
1984	3.7	3.8	.4	3.7	-9	1.9	-3	4.4	3.7
1985	3.2	3.4	.3	2.1	-4	-1.8	-2.4	3.7	3.2
1986	2.8	2.2	1.8	2.7	1.0	-1.6	-2.6	2.4	2.7

<sup>1</sup> Gross private domestic fixed investment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987.

## NO. 733. FIXED-WEIGHTED PRICE INDEXES: 1970 TO 1986

[1982 = 100]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Gross national product	47.2	61.8	78.8	98.1	94.1	104.1	108.3	112.1	115.1	
Personal consumption expenditures	44.7	60.1	78.6	96.8	94.6	104.2	108.4	112.3	115.2	
Durable goods	55.0	68.7	82.5	99.6	95.6	102.3	104.1	105.0	108.2	
Nondurable goods	45.2	63.2	80.8	99.6	97.0	102.1	105.2	107.8	107.7	
Services	41.9	56.2	76.0	94.0	92.6	105.3	111.8	117.5	123.1	
Gross private domestic investment										
Fixed investment	61.5	99.0	80.3	98.9	94.5	100.4	101.5	103.2	104.8	
Nonresidential	66.4	73.1	80.1	86.1	83.9	95.9	100.2	101.8	103.2	
Structures	32.6	52.5	75.0	83.1	83.2	97.3	98.1	100.3	100.7	
Producers durable equipment	91.3	88.3	83.4	88.1	84.4	101.6	101.8	103.1	104.7	
Residential	37.4	54.8	81.2	89.4	86.6	102.2	106.0	108.2	110.9	
Exports	43.3	65.4	82.9	90.5	97.7	101.6	104.3	103.7	103.6	
Imports	33.4	59.7	80.9	96.3	101.6	97.7	97.5	95.7	92.8	
Government purchases of goods and services	39.6	58.8	77.3	85.3	84.1	104.5	108.2	113.7	116.3	
Federal	39.5	59.4	78.8	86.4	84.9	104.1	108.0	110.8	111.3	
National defense	(NA)	56.5	75.1	84.7	83.6	103.7	107.8	111.1	112.1	
Nondefense	(NA)	66.6	81.0	86.7	87.4	105.1	108.9	110.0	109.3	
State and local	39.6	57.9	77.7	86.2	83.5	104.8	110.1	115.8	120.3	
Addenda:										
Final sales	47.2	61.8	78.8	96.1	94.1	104.1	108.2	112.0	115.0	
Personal consumption expenditures, food	43.0	63.8	78.7	96.7	96.0	102.0	108.3	108.6	112.2	
Personal consumption expenditures, energy	27.0	44.0	66.6	86.4	86.4	101.0	102.3	103.3	99.8	
Other personal consumption expenditures	47.4	61.2	79.1	95.4	93.9	105.3	109.7	114.5	119.1	

NA Not available.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July 1987.

NO. 734. PRODUCER PRICE INDEXES, BY STAGE OF PROCESSING: 1970 TO 1986

[1987 = 100. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series E 73-86]

STAGE OF PROCESSING AND COMMODITY	1970	1975	1977	1979	1979	1980	1981	1982	1983	1984	1985	1986
Crude materials for further processing	112.8	198.8	209.2	234.4	274.3	304.8	328.0	318.5	322.8	338.8	388.1	380.0
Foodstuffs and feedstuffs	112.0	191.8	192.1	215.2	247.8	258.2	257.4	247.8	252.2	258.5	235.0	230.6
Nonfoods, exc. fuel	109.8	188.3	212.2	233.1	284.5	348.1	413.7	378.8	372.2	380.5	355.3	288.4
For manufacturing	109.8	182.4	218.8	238.2	292.7	357.4	429.4	387.2	381.9	380.1	360.5	281.0
For construction	113.9	151.1	170.6	185.7	207.0	237.8	261.8	270.3	270.6	278.7	265.8	287.8
Fuel	122.8	271.5	372.1	428.8	507.8	615.0	751.2	888.1	931.5	931.3	900.6	817.3
Manufacturing industries	118.9	252.1	384.8	448.2	548.8	680.8	864.9	1,034.8	1,094.5	1,082.2	1,063.2	942.8
Nonmanufacturing industries	130.2	297.2	370.8	421.1	485.0	567.0	674.0	782.2	816.3	818.1	802.1	731.8
Intermediate materials, supplies, components	108.9	188.8	201.5	215.8	248.2	280.2	308.0	310.4	312.3	328.0	318.7	307.8
Materials and components for manufacturing	110.0	178.7	195.4	208.7	234.4	266.7	288.1	288.8	293.4	301.8	298.5	288.1
Materials for												
Food manufacturing	112.9	209.4	183.4	208.5	228.4	264.4	280.4	255.1	258.4	271.1	258.8	250.9
Non-durable manufacturing	103.8	174.7	190.0	186.7	222.8	258.5	285.8	264.4	280.0	290.5	285.8	278.2
Durable manufacturing	114.7	188.4	217.8	236.2	270.6	301.0	312.1	310.1	319.4	325.1	320.2	313.8
Components for manufacturing	111.1	158.3	178.8	189.6	207.5	231.8	268.3	273.9	280.4	287.5	291.8	284.4
Materials and components for construction	112.8	178.4	203.4	224.7	247.4	288.3	287.8	293.7	301.8	310.3	315.2	317.5
Processed fuels, lubricants	105.0	233.0	282.5	295.3	364.8	503.0	595.4	591.7	584.8	588.2	548.8	430.3
Containers	111.4	171.4	188.3	202.8	226.8	254.5	278.1	286.6	288.8	302.3	311.2	315.1
Supplies	108.0	188.1	188.7	198.5	218.2	244.5	263.8	272.1	277.1	283.4	284.2	287.3
For manufacturing industries	110.0	157.9	177.0	189.3	207.5	231.9	253.1	265.8	268.9	278.0	285.2	287.8
For nonmanuf. industries	107.2	173.4	194.8	203.3	223.8	251.1	289.8	275.7	281.1	285.9	284.0	287.3
Finished goods	110.3	183.4	181.7	195.9	217.7	247.0	288.8	280.7	288.2	291.1	293.7	288.8
Consumer goods	108.9	183.6	180.7	194.9	217.9	248.9	271.3	281.0	284.8	290.3	291.8	284.9
Food	113.5	181.0	188.9	207.2	226.2	239.5	253.8	258.3	261.8	273.3	271.2	278.0
Crude foods	116.3	181.2	201.0	216.8	233.1	237.2	263.8	252.7	268.7	281.8	280.0	286.8
Processed foods	113.1	181.3	187.3	204.6	223.8	237.8	250.8	257.7	260.0	270.3	270.0	278.7
Other non-durable goods	108.3	183.0	189.3	200.0	231.3	283.9	319.8	338.6	335.3	337.3	338.3	311.1
Durable goods	105.9	138.2	152.8	168.9	183.2	208.2	218.6	228.7	233.1	238.8	241.5	248.8
Capital equipment	112.0	182.5	184.8	198.2	216.5	238.8	284.3	279.4	287.2	294.0	300.5	308.5
ANNUAL PERCENT CHANGE <sup>1</sup>												
Crude materials for further processing	3.6	.4	3.9	12.8	17.9	11.8	8.0	-2.9	1.3	2.2	7.5	-8.6
Foodstuffs and feedstuffs	2.5	1.3	1.0	12.5	14.7	4.8	-7	-3.7	1.8	2.9	-9.4	-1.8
Fuel	15.0	23.7	21.8	14.7	18.9	21.2	22.1	18.0	5.1	-	-2.3	-10.1
Intermediate materials, supplies, components	2.9	10.5	6.8	7.6	12.8	18.2	8.2	1.4	.8	2.3	-4	-3.8
Materials and components for												
Manufacturing	4.0	10.2	5.4	8.8	12.3	13.4	7.7	1.3	1.2	2.9	-8	-1.1
Construction	1.6	9.2	8.0	10.5	10.1	8.4	7.2	2.1	2.8	2.8	1.8	7
Processed fuels, lubricants	6.6	17.0	13.0	4.5	23.5	37.9	18.4	-6	-4.8	2	-3.1	-21.8
Finished goods	3.5	10.8	8.5	7.8	11.1	13.8	8.2	4.8	1.8	2.1	.9	1.4
Consumer goods	3.1	9.6	8.5	7.9	11.8	14.2	8.0	3.6	1.3	2.0	.5	-2.4
Capital equipment	4.8	15.2	6.5	7.9	8.7	10.8	10.2	5.7	2.8	2.4	2.2	2.0

- Represents or rounds to zero. <sup>1</sup> For 1970, base year is 1969; thereafter change from immediate prior year.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

NO. 735. PRODUCER PRICE INDEXES—MAJOR COMMODITY GROUPS: 1950 TO 1986

[1987 = 100. Prior to 1981, excludes Alaska and Hawaii. See text, section 18. See also *Historical Statistics, Colonial Times to 1970*, series E 23 and 24]

YEAR	All commodities	Farm products	Processed foods and feeds	INDUSTRIAL COMMODITIES		YEAR	All commodities	Farm products	Processed foods and feeds	INDUSTRIAL COMMODITIES	
				Total	Energy <sup>1</sup>					Total	Energy <sup>1</sup>
1950	81.8	106.7	85.4	78.0	87.1	1950	108.5	109.1	107.3	108.0	100.0
1951	91.1	124.2	92.7	88.1	90.3	1970	110.4	111.0	112.1	111.0	108.2
1952	96.8	117.2	91.6	84.1	90.1	1971	114.0	112.9	114.5	114.1	115.2
1953	87.4	108.2	87.4	84.8	92.8	1972	119.1	125.0	120.8	117.8	118.6
1954	87.6	104.7	88.9	85.0	91.3	1973	134.7	178.3	148.1	125.9	134.3
1955	87.8	98.2	85.0	88.9	91.2	1974	180.1	187.7	170.9	153.8	208.3
1956	90.7	98.9	84.9	90.8	94.0	1975	174.9	188.7	182.8	171.5	245.1
1957	89.3	99.5	87.4	93.3	99.1	1976	183.0	181.0	178.0	182.4	288.6
1958	94.6	103.9	91.6	93.6	95.3	1977	184.2	192.5	188.1	195.1	302.2
1959	94.8	97.5	89.4	95.3	95.9	1978	209.3	212.5	202.6	208.4	322.5
1960	94.9	97.2	88.5	95.3	96.1	1979	235.8	241.4	222.5	238.5	408.1
1961	94.5	98.3	91.0	94.8	97.2	1980	288.8	249.4	241.2	274.8	574.0
1962	94.8	98.0	91.9	94.8	98.7	1981	283.4	254.8	248.7	304.1	684.5
1963	94.5	98.0	92.5	94.7	98.3	1982	299.3	242.4	251.5	312.3	693.2
1964	94.7	94.8	92.3	95.2	93.7	1983	303.1	248.2	255.9	315.7	684.7
1965	98.8	98.7	95.5	98.4	98.5	1984	310.3	258.8	268.0	322.8	684.8
1966	99.8	105.9	101.2	98.5	97.9	1985	308.7	230.5	280.4	323.8	633.6
1967	100.0	100.0	100.0	100.0	100.0	1986	298.8	224.7	285.1	312.1	483.5
1968	102.5	102.5	102.2	102.5	99.9						

<sup>1</sup> Fuels, related products, and power.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.



## NO. 730. PRODUCER PRICE INDEXES, FOR SELECTED COMMODITIES: 1970 TO 1996

(1967=100, except as noted. See text, section 15, and *Historical Statistics, Colonial Times to 1970*, series E 23-29)

COMMODITY GROUP	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986
All commodities <sup>1</sup>	110.4	174.9	208.5	235.6	268.8	293.4	299.3	303.1	310.3	308.7	308.6
Farm products and processed foods and feeds	111.7	164.2	208.6	229.8	244.7	261.5	248.8	262.9	282.4	280.6	282.0
Farm products <sup>1</sup>	111.5	166.7	212.3	241.4	248.4	254.9	242.4	248.2	268.9	230.6	234.7
Fresh and dried fruits, vegetables	111.6	183.7	216.5	229.0	238.8	267.3	253.7	262.1	278.1	280.5	281.2
Grains	96.8	223.9	182.5	214.8	239.0	248.4	210.9	240.4	238.7	202.8	167.2
Livestock	116.7	187.9	220.1	260.3	252.7	248.0	257.8	243.1	251.8	229.9	238.1
Live poultry	99.5	188.8	199.8	194.3	202.1	201.2	191.9	208.5	240.6	228.2	224.8
Plant and animal fibers	90.2	153.1	193.4	209.9	271.1	242.0	202.9	227.0	228.4	187.8	179.3
Fluid milk	115.3	180.2	219.7	250.1	271.2	287.4	282.5	282.0	278.3	284.8	286.9
Eggs	126.8	159.8	158.6	176.5	171.0	167.1	178.7	(NA)	210.8	171.0	177.9
Hay, hayseeds, and oilseeds	99.4	200.2	215.6	244.3	247.1	274.1	212.9	248.6	256.3	208.0	197.9
Processed foods and feeds <sup>1</sup>	112.1	162.6	202.6	222.6	241.2	248.7	261.5	265.9	288.0	288.4	288.1
Cereal and bakery products	107.7	178.0	190.3	210.3	238.0	255.5	253.8	261.0	270.5	279.9	281.8
Meats, poultry, and fish	115.8	191.0	217.1	242.0	243.1	245.2	257.8	248.0	254.4	247.0	257.9
Dairy products	111.2	155.8	188.4	211.2	230.6	245.6	248.9	250.6	251.7	249.4	248.8
Processed fruits and vegetables	110.6	189.6	202.6	221.9	228.7	261.2	274.5	277.4	294.3	286.3	287.9
Sugar and confectionery	115.8	254.3	197.8	214.7	322.5	275.9	288.7	282.8	301.2	291.0	286.7
Beverages and beverage materials	113.0	162.4	200.0	210.7	233.0	248.0	258.9	283.6	273.1	278.6	284.9
Animal fats and oils	140.4	341.8	291.2	320.6	279.2	299.1	303.0	308.1	389.2	323.8	253.6
Crude vegetable oils	121.0	208.1	219.2	243.7	202.8	186.4	158.6	184.2	282.2	218.6	136.8
Shortening and cooking oils	111.9	211.5	209.4	223.5	233.2	238.0	234.4	254.7	311.6	280.6	242.4
Miscellaneous processed foods	112.1	178.4	198.0	216.5	227.2	250.1	248.6	254.8	278.0	283.6	288.0
Prepared animal feeds	103.7	172.1	197.4	219.4	228.8	230.2	211.3	228.8	220.5	190.3	200.0
Industrial commodities	110.5	171.8	208.4	236.5	274.8	304.1	312.3	316.7	322.6	323.8	312.1
Textile products and apparel <sup>2</sup>	107.1	137.8	188.8	188.7	183.6	188.7	184.6	186.1	218.8	218.4	211.1
Synthetic fibers <sup>2</sup>	(NA)	(NA)	109.6	119.0	134.7	158.3	182.1	158.7	158.6	154.8	148.9
Processed yarns, threads <sup>2</sup>	(NA)	(NA)	102.4	109.2	122.6	138.0	138.3	138.5	142.8	141.1	140.7
Gray fabrics <sup>2</sup>	(NA)	(NA)	118.6	127.1	138.1	148.8	145.3	147.0	153.7	151.7	150.7
Finished fabrics <sup>2</sup>	(NA)	(NA)	103.8	107.4	115.7	125.2	134.6	123.1	126.7	128.9	128.4
Apparel	110.8	129.4	152.4	180.4	172.4	188.0	184.4	197.4	201.3	204.1	208.5
Textile furnishings	103.5	151.9	178.6	190.4	206.8	226.7	238.5	236.1	238.9	240.0	240.4
Hides, skins, leather, related products <sup>1</sup>	110.3	148.8	280.0	282.4	248.9	288.9	282.8	271.1	288.3	288.1	288.7
Cattle hides	108.8	181.5	300.1	583.8	308.6	308.3	280.7	365.1	304.4	442.1	518.0
Leather	107.7	151.5	238.8	358.7	310.8	318.8	311.4	380.7	372.3	353.1	383.8
Footwear	113.3	147.8	183.0	218.0	233.1	240.8	245.0	250.1	251.7	256.7	281.8
Fuels, related products, power	108.2	248.1	322.8	408.1	574.0	884.8	888.2	884.7	888.8	833.6	883.6
Coal	150.3	385.8	430.0	480.9	487.3	487.2	534.7	537.4	548.5	546.7	538.8
Coke oven products	127.4	330.6	411.8	429.2	430.8	458.4	461.7	444.8	436.4	430.4	407.9
Gas fuels	103.6	218.7	428.7	544.1	780.7	939.4	1,080.8	1,148.9	1,100.0	1,047.0	882.1
Electric power	108.9	193.4	250.6	270.2	321.8	367.2	408.5	417.9	439.9	483.8	487.9
Crude petroleum, domestic	108.1	245.7	300.1	378.5	558.4	803.6	733.4	681.4	688.8	618.4	343.8
Petroleum products, refined	101.0	257.5	321.0	444.8	674.7	805.9	781.2	684.3	685.1	633.1	405.2
Chemicals and allied products <sup>1</sup>	102.2	181.3	188.8	222.3	288.3	287.8	282.3	283.8	308.8	283.2	288.7
Industrial chemicals	100.9	206.9	225.6	264.0	324.0	363.3	352.6	342.9	341.3	338.3	322.4
Prepared paint	112.4	188.9	182.3	204.4	235.3	249.8	282.8	284.7	272.5	278.8	281.2
Paint materials	101.4	177.2	212.7	241.2	273.9	300.1	304.6	306.8	328.7	333.7	318.0
Drugs and pharmaceuticals	101.2	128.6	148.1	159.4	174.5	193.5	210.1	228.1	240.0	256.3	272.8
Fats and oils, inedible	132.6	255.2	315.8	378.8	298.0	296.8	267.1	286.8	371.4	296.3	218.2
Agricultural chemicals and products	88.5	209.6	188.4	214.4	257.1	285.0	282.4	280.5	284.8	281.3	275.8
Plastic resins and materials	90.6	180.9	199.8	235.9	279.2	289.2	283.4	291.5	308.6	304.7	288.0
Rubber and plastic products <sup>1</sup>	108.3	180.2	174.8	184.3	217.4	232.8	241.4	243.2	248.8	246.9	246.1
Crude rubber	101.8	145.6	187.2	221.4	264.3	281.8	278.9	280.8	278.8	270.5	254.8
Tires and tubes	109.0	148.5	179.2	206.9	238.8	250.6	255.2	248.3	242.1	237.4	234.1
Miscellaneous rubber products	113.3	155.9	189.6	208.4	228.6	251.4	278.9	284.8	280.6	284.4	300.2
Plastic construction products <sup>2</sup>	97.2	123.9	138.4	147.5	154.2	154.8	148.5	183.6	171.5	181.2	188.8
Laminated plastic sheets <sup>2</sup>	(NA)	124.6	146.4	158.6	173.7	188.8	188.2	178.3	187.0	188.3	188.2
Lumber and wood products <sup>1</sup>	113.8	178.9	276.0	380.4	288.8	288.8	284.7	287.1	287.4	288.8	288.8
Lumber	113.7	192.5	322.4	354.3	325.8	325.1	310.8	382.6	349.8	340.6	343.4
Millwork	116.0	180.4	235.4	254.3	280.4	273.4	278.4	302.9	307.8	312.1	317.4
Plywood	108.4	181.2	235.6	250.5	248.5	245.7	232.1	244.1	241.8	231.3	238.8
Other wood products	117.3	181.9	211.8	235.4	249.2	239.1	238.2	230.6	234.5	236.5	238.2
Pulp, paper, and allied products <sup>1</sup>	108.2	179.4	195.6	218.0	248.2	278.8	288.7	286.1	318.8	327.2	336.3
Pulp, paper, and products, except building paper and board	108.5	171.9	195.6	220.2	250.6	270.6	273.2	271.4	283.3	282.0	284.8
Woodpulp	109.8	263.4	286.5	314.3	380.3	387.1	379.0	345.9	387.2	348.6	388.4
Waste paper	125.0	110.2	191.2	206.6	208.7	179.7	121.1	(NA)	240.1	148.8	172.8
Paper	111.0	172.9	206.1	228.6	258.8	279.8	288.3	282.0	302.9	303.4	308.9
Paperboard	101.1	170.3	179.6	202.1	234.6	258.1	254.9	250.9	281.5	274.6	272.8
Converted paper and paperboard products	107.8	161.8	186.5	208.9	236.5	258.8	284.4	285.3	281.2	288.0	288.3
Building paper and board	101.0	127.1	187.4	182.4	208.2	291.7	238.5	250.0	258.0	257.2	288.7

See footnotes at end of table.

No. 730. PRODUCER PRICE INDEXES, FOR SELECTED COMMODITIES: 1970 TO 1986—Continued

[1987 = 100, except as noted. See heading, p. 448]

COMMODITY GROUP	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Metals and metal products</b>	116.8	185.8	227.1	258.3	288.4	300.4	301.8	307.2	318.1	314.9	311.3	311.3	311.3
Iron and steel	115.1	200.9	253.6	283.5	305.2	333.8	339.0	343.4	356.9	355.3	343.0	343.0	343.0
Steel mill products	114.2	197.2	254.5	280.4	302.7	337.6	349.5	352.6	366.0	366.1	348.6	348.6	348.6
Nonferrous metals	124.7	171.6	207.8	216.7	305.0	265.6	263.6	278.1	277.1	262.5	250.7	250.7	250.7
Metal containers	112.6	192.1	243.4	289.2	298.8	315.6	326.5	335.4	350.0	358.1	362.1	362.1	362.1
Hardware	111.5	163.0	200.4	218.7	240.5	263.2	260.3	260.7	268.9	305.8	306.6	306.6	306.6
Plumbing fixtures, brass fittings	111.2	162.3	199.1	217.1	246.7	267.5	278.7	289.3	302.7	311.8	322.1	322.1	322.1
Heating equipment	110.6	150.7	174.4	187.1	206.7	224.2	237.2	243.6	252.9	259.6	268.3	268.3	268.3
Fabricated structural metal products	112.0	169.0	226.4	248.9	270.5	295.5	304.8	303.5	310.7	314.6	315.9	315.9	315.9
Miscellaneous metal products	114.3	181.1	212.0	231.4	250.5	270.5	262.3	263.6	265.3	302.3	302.1	302.1	302.1
<b>Machinery and equipment</b> <sup>1</sup>	111.4	161.4	198.1	213.9	238.8	263.3	278.8	294.4	293.1	298.8	303.3	303.3	303.3
Agricultural	113.2	166.6	213.1	232.1	259.2	288.3	311.1	326.3	336.1	336.2	339.6	339.6	339.6
Construction	115.9	185.2	232.9	256.2	289.4	320.8	343.9	351.9	357.0	362.6	367.0	367.0	367.0
Metalworking	114.1	171.6	217.9	241.3	274.4	301.3	320.9	326.5	334.0	341.9	348.0	348.0	348.0
General purpose	113.7	178.5	216.8	236.4	264.6	288.7	304.0	308.2	314.1	321.3	325.8	325.8	325.8
Special industry	115.7	175.0	223.0	247.0	275.8	307.9	325.1	337.1	348.7	360.3	371.3	371.3	371.3
Electrical	106.4	140.7	164.9	178.9	201.7	220.2	231.6	240.1	248.7	253.8	257.8	257.8	257.8
Miscellaneous	112.6	162.3	194.7	208.9	229.9	252.8	268.4	274.1	274.4	277.2	279.5	279.5	279.5
<b>Furniture and household durables</b> <sup>1</sup>	107.8	139.7	160.4	171.3	187.7	196.5	208.9	214.0	218.7	221.6	223.9	223.9	223.9
Household furniture	111.7	146.3	173.5	188.3	204.8	219.2	229.8	234.7	242.1	249.3	253.4	253.4	253.4
Commercial furniture	114.5	166.7	201.5	221.8	236.0	257.5	275.5	286.3	297.1	306.9	317.6	317.6	317.6
Floor coverings	99.4	124.9	141.6	147.9	163.0	178.7	181.2	185.4	191.2	191.3	195.6	195.6	195.6
Household appliances	105.3	132.3	153.0	160.9	174.2	187.3	199.1	208.9	211.0	212.4	210.5	210.5	210.5
Home electronic equipment	93.3	93.5	90.2	91.1	91.4	89.2	88.1	88.1	83.6	80.0	79.2	79.2	79.2
<b>Nonmetallic mineral products</b> <sup>1</sup>	112.9	174.0	223.8	248.6	283.0	308.5	320.2	335.2	337.9	347.8	352.0	352.0	352.0
Flat glass	115.6	139.2	172.8	183.9	196.5	212.6	221.5	229.7	224.5	225.2	231.3	231.3	231.3
Concrete ingredients	112.6	172.3	217.7	244.0	274.0	296.3	310.0	313.3	325.7	336.2	338.8	338.8	338.8
Concrete products	112.2	170.5	214.0	244.1	273.9	291.2	297.9	302.0	309.6	320.1	325.1	325.1	325.1
Clay construction products, etc. refractories	109.9	151.2	197.2	217.9	231.5	249.8	260.8	277.8	296.8	295.9	308.1	308.1	308.1
Refractories	120.9	166.0	216.5	236.5	264.6	302.4	337.1	341.3	361.2	369.6	371.8	371.8	371.8
Asphalt felts and coatings	102.7	225.9	292.0	325.3	366.8	407.5	398.4	399.5	399.5	399.5	399.5	399.5	399.5
Gypsum products	99.7	144.0	229.1	252.3	256.3	256.2	256.1	266.0	346.7	336.6	350.7	350.7	350.7
Glass containers	120.4	179.7	244.4	261.1	292.7	329.7	355.5	352.4	360.7	379.8	386.0	386.0	386.0
<b>Transportation equipment</b> <sup>1, 2</sup>	104.6	141.5	173.6	188.1	207.0	236.4	248.7	258.7	262.7	268.6	276.2	276.2	276.2
Motor vehicles and equipment	108.7	144.5	178.0	190.5	206.8	237.6	251.3	256.8	261.5	267.3	274.4	274.4	274.4
Motor vehicles	107.3	137.5	167.7	181.6	197.7	216.6	227.1	232.5	237.8	244.6	253.2	253.2	253.2
Railroad equipment	115.1	201.2	252.8	277.3	313.1	336.1	346.5	350.2	355.5	363.3	366.0	366.0	366.0
<b>Miscellaneous products</b> <sup>1</sup>	109.3	147.7	184.3	208.7	256.8	286.7	276.4	298.6	296.9	302.3	306.5	306.5	306.5
Toys, sporting goods, small arms, etc.	109.3	148.0	183.2	178.2	198.6	211.9	221.5	225.2	227.1	231.5	235.9	235.9	235.9
Tobacco products	113.6	149.8	196.5	217.8	245.7	268.8	323.1	365.4	426.1	426.1	480.4	480.4	480.4
Notions	106.4	151.0	182.0	191.8	217.2	259.8	277.0	280.1	283.2	285.1	287.3	287.3	287.3
Photographic equipment and supplies	104.9	130.6	145.7	153.7	202.9	210.0	210.4	215.7	214.8	215.6	219.1	219.1	219.1

NA Not available. <sup>1</sup> Includes other product groups, not shown separately. <sup>2</sup> Dec. 1975=100. <sup>3</sup> Dec. 1980=100.  
<sup>4</sup> Dec. 1970=100. <sup>5</sup> Dec. 1989=100.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 737. PRODUCER PRICE INDEXES—ANNUAL PERCENT CHANGE IN SELECTED MAJOR COMMODITY GROUPS: 1974 TO 1986

[Minus sign (—) indicates decrease]

COMMODITY GROUP	1974 <sup>1</sup>	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>All commodities</b>	18.9	9.2	4.8	6.1	7.8	12.6	14.1	9.2	2.0	1.3	2.4	—5	—2.9
Farm products	6.5	—5	2.3	—8	10.4	13.6	3.3	2.2	4.9	2.4	3.1	—6.9	—2.5
Processed foods, feeds	15.4	6.6	—2.5	4.6	6.9	9.9	8.4	3.1	1.1	1.7	3.6	—1.7	1.8
Textile products, apparel	12.4	—9	7.5	3.9	3.6	5.6	8.6	8.8	2.6	—2	2.4	—2	3
Hides, skins, leather, related products	1.4	2.3	13.0	6.0	11.5	26.2	—1.4	4.8	7	3.2	5.6	1	3.7
Fuels, related products, power	56.1	17.7	6.4	13.6	6.7	26.6	40.7	21.0	—2	—4.1	—1.2	—3.6	—23.7
Chemicals and allied products	33.6	23.6	9.3	3.0	3.1	11.8	17.1	10.5	1.6	—2	2.7	—8	—1.2
Rubber and plastic products	21.2	10.3	6.0	5.3	4.3	11.2	11.9	7.0	3.8	7	1.5	—4	1
Lumber and wood products	3.6	—3.6	16.2	14.9	16.8	6.6	—3.8	1.3	2.8	7.9	1	1.2	—6
Pulp, paper, and allied products	24.2	12.3	6.3	3.9	4.9	12.0	13.8	6.9	5.4	3.3	6.6	2.7	2.5
Metals and metal products	29.4	8.0	5.5	6.7	6.7	14.2	10.5	4.9	—4	1.9	2.9	—4	—1.1
Machinery and equipment	14.5	15.8	5.9	6.3	7.9	9.1	12.1	8.8	5.9	2.7	2.3	2.0	1.5
Furniture and household durables	11.0	9.2	4.2	4.1	5.9	6.8	9.6	5.9	4.2	3.4	2.2	1.9	1.0
Nonmetallic mineral products	17.7	13.6	7.1	7.6	11.1	11.6	13.8	9.4	3.5	1.6	3.7	3.1	1.2
Transportation equipment	9.0	12.7	6.8	6.6	7.6	6.4	10.0	13.7	9.8	2.8	2.3	2.6	2.5

<sup>1</sup> Change from 1973.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

## NO. 738. CONSUMER PRICE INDEXES, BY MAJOR GROUPS: 1950 TO 1986

[1987 = 100. Annual averages of monthly figures, except as indicated. Prior to 1985, excludes Alaska and Hawaii. Through 1977 represents buying patterns of wage earners and clerical workers, beginning 1978, reflects buying patterns of all urban consumers in the 1970's. See text, section 15 for details regarding other periods. See also *Historical Statistics, Colonial Times to 1970*, series E 135-173]

YEAR	All items	FOOD		SHELTER		Fuel oil and coal <sup>1</sup>	Gas and electricity	Apparel and upkeep	TRANSPORTATION		Medical care	All commodities	All services
		Total	Away from home	Total	Rent, residential				Private	Public			
1950	72.1	74.5	(NA)	(NA)	70.4	72.7	81.2	79.0	72.5	48.0	53.7	75.8	69.7
1951	77.8	82.8	(NA)	(NA)	73.2	78.5	81.5	86.1	75.8	54.0	56.3	85.8	81.8
1952	79.5	84.3	(NA)	(NA)	76.2	78.0	82.6	85.3	80.8	51.5	56.3	87.0	84.6
1953	80.1	83.0	88.9	76.5	80.3	81.5	84.2	84.6	82.4	61.3	81.4	86.7	87.3
1954	80.5	82.8	70.1	78.2	83.2	81.2	85.3	84.5	80.3	65.5	81.4	86.7	88.5
1955	80.2	81.6	70.8	79.1	84.3	82.3	87.5	84.1	78.0	67.4	81.4	85.1	70.9
1956	81.4	82.2	72.2	80.4	85.8	85.9	88.4	85.8	80.1	70.0	87.2	85.9	72.7
1957	84.3	84.9	74.9	83.4	87.5	90.3	89.3	87.3	84.7	72.7	89.9	88.6	75.8
1958	86.6	88.5	77.2	85.1	89.1	88.7	92.4	87.5	87.4	78.1	73.2	90.8	78.5
1959	87.3	87.1	79.3	86.0	90.4	89.8	94.7	88.2	81.1	78.3	78.4	90.7	80.8
1960	88.7	88.0	81.4	87.8	91.7	89.2	96.6	89.6	80.8	81.0	79.1	91.6	83.5
1961	89.6	89.1	83.2	88.5	92.9	91.0	98.4	90.4	81.3	84.6	81.4	92.0	85.2
1962	90.6	89.9	85.4	89.6	94.0	91.5	98.4	90.9	83.0	87.4	83.5	92.8	86.8
1963	91.7	91.2	87.3	90.7	95.0	93.2	99.4	91.9	83.4	88.5	85.6	93.6	88.5
1964	92.9	92.4	88.9	92.2	95.9	92.7	99.4	92.7	84.7	90.1	87.3	94.6	90.2
1965	94.5	94.4	90.9	93.8	96.9	94.6	99.4	93.7	86.3	91.9	88.4	95.7	92.2
1966	97.2	98.1	95.1	96.8	98.2	97.0	99.6	96.1	87.5	95.2	93.4	98.2	95.8
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	104.2	103.8	105.2	104.8	102.4	103.1	100.9	105.4	103.0	104.8	101.1	103.7	105.2
1969	108.8	108.9	111.6	113.3	105.7	105.8	102.8	111.5	106.5	112.7	113.4	108.4	112.5
1970	116.3	114.9	119.9	123.5	110.1	110.1	107.3	118.1	111.1	126.5	120.6	113.5	121.8
1971	121.3	118.4	126.1	128.8	115.2	117.5	114.7	119.8	116.6	137.7	128.4	117.4	126.4
1972	125.3	123.5	131.1	134.5	119.2	118.5	120.5	122.3	117.5	143.4	132.5	120.9	132.3
1973	133.1	141.4	141.4	140.7	124.3	136.0	126.4	128.8	121.5	144.6	137.7	129.9	138.1
1974	147.7	161.7	159.4	154.4	130.6	214.6	145.8	136.2	136.6	148.0	150.5	145.5	152.1
1975	161.2	175.4	174.3	169.7	137.3	235.3	169.6	142.3	138.8	158.6	166.6	158.4	166.6
1976	170.5	180.8	186.1	179.0	144.7	250.8	180.0	147.6	164.6	174.2	184.7	166.2	180.4
1977	181.5	192.2	200.3	191.1	159.5	283.4	213.4	154.2	176.6	182.4	202.4	174.7	184.3
1978	196.4	211.4	218.4	210.4	164.0	288.3	232.6	158.6	185.0	187.8	219.4	187.1	210.8
1979	217.4	234.5	242.9	239.7	176.0	403.1	267.8	166.6	212.3	200.3	239.7	208.4	234.2
1980	248.6	254.6	267.0	261.7	191.6	556.0	301.8	178.4	249.2	251.6	265.9	233.9	270.3
1981	272.4	274.6	291.0	314.7	206.2	675.9	345.9	186.9	277.5	312.0	294.5	263.6	305.7
1982	289.1	285.7	306.5	337.0	224.0	667.9	393.8	191.8	287.6	346.0	328.7	269.8	333.3
1983	298.4	291.7	319.9	344.8	236.9	828.0	428.7	196.5	293.9	362.8	357.3	271.5	344.9
1984	311.1	302.8	333.4	361.7	249.3	841.8	445.2	200.2	306.8	385.2	379.5	281.1	363.0
1985	322.2	309.8	346.6	382.0	264.6	819.5	462.7	206.0	314.2	402.8	409.1	286.7	381.5
1986	328.4	319.7	360.1	402.9	280.0	501.5	446.7	207.8	299.5	426.4	433.5	283.9	400.5

NA Not available. <sup>1</sup> Includes bottled gas.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *Handbook of Labor Statistics*, periodic.

## NO. 739. CONSUMER PRICE INDEXES—ANNUAL PERCENT CHANGE IN MAJOR GROUPS: 1973 TO 1986

[See heading, table 738. See also table 740 for base figures. Minus sign (-) indicates decrease]

ITEM	1973 <sup>1</sup>	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All items	8.2	11.0	8.1	8.6	6.5	7.7	11.3	13.5	10.4	6.1	2.2	4.3	2.6	1.9
Food	14.5	14.4	8.5	3.1	6.3	10.0	10.9	6.6	7.9	4.0	2.1	3.6	2.3	3.2
Shelter, total	4.6	9.7	9.9	5.5	6.8	10.1	13.9	11.5	11.7	7.1	2.3	4.9	5.8	5.8
Rent, residential	4.3	5.1	5.1	5.4	6.1	6.6	7.3	6.9	6.7	7.6	5.6	5.2	6.1	5.8
Fuel oil and coal <sup>2</sup>	14.8	57.8	8.8	6.6	13.0	5.3	35.1	37.9	21.8	-1.2	-6.0	2.2	-3.6	-16.9
Gas and electricity	4.9	15.3	15.3	11.4	12.9	9.0	10.8	17.1	14.8	13.8	8.9	3.8	1.7	-1.9
Apparel and upkeep	3.7	7.4	4.5	3.7	4.5	3.5	4.4	7.1	4.8	2.6	2.5	1.9	2.9	.8
Private transportation	3.4	12.4	9.7	9.9	7.3	4.8	14.8	17.4	11.4	3.6	2.2	4.3	2.6	-4.7
Automobiles, new	1	5.8	8.6	8.3	5.3	7.8	7.9	8.0	6.1	3.9	2.5	2.8	3.2	4.3
Gasoline	9.8	35.4	8.6	4.2	5.8	4.3	35.3	39.0	11.3	-5.3	-3.3	-1.6	8	-21.9
Auto maintenance and repair	6.3	10.3	12.6	7.4	7.4	6.3	10.0	10.6	9.4	7.6	4.5	3.5	2.9	3.9
Public transportation	1.0	2.2	7.2	9.8	4.7	3.0	6.7	25.8	24.0	10.8	4.8	6.2	4.6	5.8
Medical care	3.9	9.3	12.0	9.5	9.6	8.4	9.3	10.9	10.8	11.6	8.7	6.2	6.2	7.8
Entertainment	2.8	7.5	8.9	5.0	4.8	5.3	6.7	8.9	7.8	6.5	4.3	3.7	3.9	3.4
All services	4.4	9.3	9.5	8.3	7.7	8.5	11.0	15.4	13.1	9.0	3.5	5.2	5.1	6.0
All commodities	7.4	12.0	8.9	4.3	5.8	7.1	11.4	12.2	8.4	4.0	2.9	3.4	2.1	-1.0

<sup>1</sup> Change from 1972.

<sup>2</sup> Includes bottled gas.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

## No. 749. CONSUMER PRICE INDEXES FOR SELECTED ITEMS AND GROUPS: 1970 TO 1986

[1967 = 100 except as noted. Annual averages of monthly figures. See heading, table 738]

COMMODITY	1970	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986
All items	116.3	161.2	196.4	217.4	248.5	272.4	288.1	298.4	311.1	322.2	328.4
Food and beverages	114.7	172.1	206.3	228.6	248.6	267.3	276.2	284.4	296.1	302.0	311.8
Food	114.9	175.4	211.4	234.5	254.6	274.6	285.7	291.7	302.9	308.8	319.7
Food at home	113.7	175.8	210.2	232.9	251.5	269.9	279.2	282.2	292.6	298.6	305.9
Cereals and bakery products	106.9	164.6	199.9	220.1	246.4	271.1	283.4	292.5	305.3	317.0	325.8
Meats, poultry, fish, eggs	117.3	176.4	204.3	234.2	242.2	252.8	262.1	261.0	266.6	263.4	275.1
Dairy products	111.6	166.6	185.6	207.1	227.4	243.6	247.0	250.0	253.2	258.0	258.4
Fruits and vegetables	113.4	171.0	212.9	230.0	246.7	276.3	291.4	292.2	317.4	325.7	328.7
Sugar and sweets	115.1	246.2	257.5	277.6	341.3	366.3	367.5	374.4	386.1	396.6	411.1
Fats and oils	105.8	196.6	200.8	226.3	241.2	267.1	259.6	263.1	266.0	294.4	267.8
Nonalcoholic beverages	117.4	178.9	340.8	357.6	395.8	412.6	424.2	432.2	443.0	451.7	478.2
Other prepared foods	109.4	163.0	186.4	208.5	231.1	254.9	266.1	278.5	284.9	294.2	301.8
Food away from home	119.9	174.3	218.4	242.9	267.0	291.0	306.5	319.9	333.4	346.6	360.1
Alcoholic beverages	112.3	142.1	159.8	172.4	186.3	199.6	206.5	216.6	222.1	229.5	239.7
Housing	118.2	164.5	202.8	227.8	263.3	293.8	314.7	323.1	336.5	348.8	366.2
Renter	123.6	189.7	210.4	239.7	261.7	314.7	337.0	344.8	361.7	362.0	402.8
Renter's costs <sup>1</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	103.0	106.6	115.4	121.9
Rent	110.1	137.3	164.0	176.0	191.6	208.2	224.0	236.9	249.3	264.6	280.0
Maintenance and repairs	124.0	187.6	233.0	256.4	285.7	314.4	334.1	348.3	369.2	368.9	373.8
Homeowners' costs <sup>1</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	102.5	107.3	113.1	119.4
Fuel and other utilities	107.6	167.8	216.0	239.3	278.6	319.2	350.6	370.3	387.3	393.6	394.7
Fuel oil, coal, and bottled gas	110.1	235.3	298.3	403.1	556.0	675.9	667.9	628.0	641.6	618.5	601.5
Fuel oil	109.3	230.6	296.9	416.6	579.7	709.2	693.9	637.7	651.0	625.0	486.6
Gas (piped) and electricity	107.3	169.6	232.8	257.6	301.8	345.9	393.6	426.7	446.2	452.7	446.7
Electricity	106.2	167.0	203.4	219.1	253.4	291.5	320.3	330.6	351.6	364.1	369.0
Household furnishings and operation <sup>2</sup>	111.5	151.0	177.7	190.3	205.4	221.3	233.2	236.5	242.5	247.2	250.4
Household furnishings	109.3	137.4	164.3	163.1	174.2	185.2	193.8	197.5	198.1	200.1	201.1
Personal and upkeep <sup>3</sup>	116.1	142.3	196.8	198.8	178.4	188.9	191.8	196.5	206.2	208.0	267.8
Apparel commodities	116.5	141.2	155.7	161.1	171.1	177.7	181.0	184.5	187.0	191.6	192.0
Apparel commodities <sup>4</sup>	115.3	140.6	154.2	158.5	167.8	174.0	177.0	180.6	183.2	186.1	188.8
Men's and boys'	117.1	142.2	157.3	160.6	168.4	177.5	183.9	186.9	192.4	197.9	200.0
Women's and girls'	116.0	139.1	149.3	151.9	155.1	157.5	159.1	161.9	163.6	169.5	168.0
Footwear	117.7	144.2	163.8	176.7	190.3	200.4	206.6	206.9	206.6	212.1	211.2
Transportation	112.7	196.6	196.5	212.8	249.7	289.6	291.8	298.4	311.7	316.6	367.5
Private	111.1	148.5	185.0	212.3	249.2	277.5	287.5	293.9	306.6	314.2	268.5
Automobiles, new	107.6	127.6	153.6	166.0	179.3	190.2	197.6	202.6	208.6	215.2	224.4
Automobiles, used	104.3	146.4	186.5	201.0	206.1	256.9	296.4	329.7	375.7	379.7	363.2
Gasoline	105.6	170.6	186.3	265.6	369.1	410.9	399.3	376.3	370.2	373.3	291.4
Auto insurance rates	126.7	145.9	216.8	228.7	247.4	259.0	275.7	302.7	326.3	359.5	407.2
Public	128.5	156.6	187.8	200.3	251.6	312.0	346.0	362.6	365.2	402.6	426.4
Intracity mass transit	134.5	155.5	181.8	189.8	217.6	274.8	310.9	322.1	344.8	352.4	381.6
Intracity bus fare	116.4	166.0	240.2	260.0	297.1	339.6	366.8	402.2	436.3	466.6	514.3
Airline fares	116.5	159.0	190.8	205.5	284.8	358.4	417.8	443.0	470.9	480.2	
Medical care	126.8	196.6	216.4	236.7	286.9	294.5	328.7	367.3	376.6	469.1	433.6
Prescription drugs	101.2	108.3	131.6	141.6	154.6	172.5	182.7	213.8	234.3	256.5	278.6
Physicians' services	121.4	169.4	223.1	243.6	269.3	299.0	327.1	352.3	376.8	386.6	427.7
Dental services	119.4	161.9	186.1	214.8	240.2	263.3	283.6	302.7	327.3	347.9	367.3
Hospital room	146.4	239.1	332.4	370.3	416.9	461.1	556.7	618.7	670.9	710.5	753.1
Entertainment	116.7	162.2	176.8	186.5	206.3	221.4	236.6	246.0	266.1	266.0	274.1
Entertainment commodities	113.5	162.1	177.7	189.3	206.2	225.2	239.0	246.9	253.3	260.6	265.9
Newspapers	119.4	174.5	200.4	213.7	236.2	262.6	283.5	302.4	314.3	328.0	341.1
Entertainment services	121.0	152.4	175.4	187.6	201.6	216.3	231.6	245.3	266.1	271.6	266.3
Merchandise and services	116.8	163.9	182.3	196.7	214.5	236.7	258.9	266.3	307.7	326.6	346.4
Tobacco products	121.2	153.9	177.3	187.9	202.6	218.9	243.5	291.0	310.0	351.0	
Personal care	113.2	150.7	182.0	195.8	213.1	232.0	246.3	261.1	271.4	281.9	291.3
Toilet goods <sup>1</sup>	110.4	150.0	176.8	186.7	206.1	227.2	246.1	260.6	269.8	278.5	287.8
Personal care services	118.0	151.4	187.3	202.7	219.9	237.0	251.2	262.5	274.1	286.0	296.4
Personal and educational expenses	118.2	162.4	198.0	213.8	236.2	265.8	301.0	333.3	365.7	397.1	426.6
Services	121.6	166.6	216.9	234.2	270.3	306.7	333.3	344.9	363.8	381.6	406.6
Transportation services	123.1	152.7	167.4	212.8	242.6	271.6	294.4	303.6	321.1	337.0	364.3
Medical care services	124.2	179.1	236.4	258.3	287.4	316.2	356.0	367.0	410.3	435.1	466.6
Other services	117.3	153.1	184.7	199.8	218.7	239.2	259.9	278.0	314.1	331.8	
Commodities	113.5	166.4	187.1	206.4	233.9	263.6	283.6	271.5	289.7	306.7	263.9
Durable	111.8	146.6	173.9	191.1	210.4	227.1	241.1	253.0	266.5	270.7	270.2
Nondurable	114.0	183.2	192.0	215.9	245.0	266.3	273.6	279.0	286.6	296.2	306.6
Commodities less food	112.6	168.1	174.7	196.1	222.0	241.2	260.9	266.0	267.8	272.6	263.4
Nondurables less food	113.1	151.7	174.3	196.7	236.2	257.5	261.6	266.3	270.8	277.2	282.2
Nondurables less food, apparel	111.2	157.9	185.0	216.2	267.1	296.8	301.1	306.4	311.8	319.2	287.1

NA Not available. Dec. 1982 = 100. See text, section 15. <sup>1</sup> Includes housekeeping supplies and services. <sup>2</sup> Includes personal services. <sup>3</sup> Includes footwear. <sup>4</sup> Includes personal care appliances.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *CPI Detailed Report*, January issues.

## NO. 741. CONSUMER PRICE INDEXES—SELECTED CITIES OR SMSA'S: 1970 TO 1986

[1987=100, except as noted. Annual averages of monthly figures. For coverage details, see headnote, table 736, and last section 15. Area is generally the standard metropolitan statistical area (SMSA), exclusive of farms. Los Angeles-Long Beach-Anaheim, CA is a combination of two SMSA's, and New York, NY-Northeast NJ, and Chicago, IL-Northwestern IN are the more extensive standard consolidated areas. Area definitions are those established by the Office of Management and Budget in 1973, except for Denver-Boulder, CO which does not include Douglas County. Definitions do not include revisions made since 1973.]

CITY/SMSA	ALL ITEMS									
	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
U.S. city average <sup>1</sup>	100.0	101.2	101.5	100.4	117.4	246.8	372.4	500.1	598.4	711.1
Anchorage, AK <sup>2</sup>	(NA)	152.3	175.0	187.5	207.0	226.2	246.5	260.1	284.8	275.8
Atlanta, GA	116.5	181.7	179.6	192.6	212.7	242.3	272.0	288.5	301.3	313.9
Baltimore, MD	117.0	185.2	185.9	199.6	218.2	250.3	273.8	285.8	298.8	312.8
Boston, MA	116.7	182.1	183.4	193.1	212.9	240.0	266.7	277.7	290.0	304.2
Buffalo, NY	118.1	181.8	181.7	193.0	211.3	235.8	257.8	267.2	284.5	294.4
Chicago, IL-Northwestern IN	118.3	157.6	175.6	190.7	214.8	245.5	269.0	287.4	298.8	310.1
Cincinnati, OH-KY-IN	115.7	180.3	182.2	199.1	223.8	254.0	272.1	293.5	312.0	322.6
Cleveland, OH	119.3	180.9	180.5	193.9	219.5	252.9	279.3	301.2	324.3	336.9
Dallas-Fort Worth, TX	117.9	158.2	180.2	194.0	218.6	256.6	284.9	301.3	312.8	327.2
Denver-Boulder, CO	(NA)	161.3	184.7	202.1	233.5	261.5	290.8	317.0	335.1	347.9
Detroit, MI	117.4	180.1	180.4	194.1	218.8	253.5	277.1	288.3	298.5	308.9
Honolulu, HI	114.2	156.0	171.0	184.1	204.6	228.5	252.4	267.8	273.5	284.8
Houston, TX	118.8	184.9	180.2	206.2	236.7	265.4	291.9	312.2	320.8	328.4
Kansas City, MO-KS	115.8	157.9	178.3	191.8	219.2	248.1	268.6	282.0	298.4	310.4
Los Angeles-Long Beach-Anaheim, CA	114.3	157.8	179.8	192.8	213.7	247.3	271.4	287.6	292.7	306.1
Miami, FL <sup>3</sup>	(NA)	(NA)	(NA)	104.5	114.8	130.8	145.8	155.8	161.0	168.8
Milwaukee, WI	115.8	157.0	177.9	192.3	218.8	251.5	280.1	298.3	309.5	320.6
Minneapolis-St. Paul, MN-WI	117.5	180.9	183.0	199.7	222.6	247.8	278.3	306.2	312.8	324.0
New York, NY-Northeast NJ	118.0	188.6	185.5	196.1	213.1	237.2	260.5	275.8	288.6	303.1
Northeast PA	116.3	184.7	179.9	191.9	210.7	237.1	264.1	273.8	283.8	295.3
Philadelphia, PA-NJ	117.8	184.2	183.5	194.3	213.6	241.4	268.0	279.0	287.1	300.8
Pittsburgh, PA	118.4	180.0	179.8	195.5	217.3	247.2	272.5	288.0	306.4	318.0
Portland, OR-WA	113.2	158.5	180.2	196.4	225.4	265.4	278.2	287.0	290.1	301.0
St. Louis, MO-IL	116.2	156.1	176.6	191.5	215.6	244.9	267.5	286.9	297.2	308.9
San Diego, CA	115.3	180.8	182.0	200.1	233.1	268.5	304.6	325.3	334.8	354.2
San Francisco-Oakland, CA	115.8	159.1	180.8	197.8	214.6	247.3	279.0	300.0	302.5	318.8
Seattle-Everett, WA	114.0	155.8	177.8	194.8	216.3	252.1	279.7	297.8	302.8	313.9
Washington, DC-MD-VA	117.6	161.6	183.0	197.0	218.6	244.7	267.3	281.9	294.7	308.9
1986										
	1986, all items	All items	Food and beverage	Housing	Fuel and other utilities	Apparel and upkeep	Transportation	Medical care	Entertainment	
U.S. city average <sup>1</sup>	322.2	328.4	311.6	360.2	384.7	307.8	367.5	433.5	274.1	
Anchorage, AK <sup>2</sup>	282.3	287.8	323.7	270.7	282.0	218.4	294.5	480.7	290.0	
Atlanta, GA	328.4	338.3	323.6	384.6	370.8	213.7	291.8	436.9	244.4	
Baltimore, MD	323.7	331.7	317.8	388.1	353.2	233.4	305.0	408.6	273.8	
Boston, MA	318.0	328.2	304.1	342.6	348.7	232.9	331.7	438.0	288.2	
Buffalo, NY	308.3	309.1	302.7	333.6	480.7	246.0	275.3	348.3	285.3	
Chicago, IL-Northwestern IN	321.8	328.5	299.9	373.2	349.3	171.5	301.7	429.5	288.1	
Cincinnati, OH-KY-IN	329.8	332.8	323.0	383.6	401.3	234.7	278.2	440.9	239.7	
Cleveland, OH	345.4	350.6	311.5	395.8	406.7	199.6	298.4	485.9	275.1	
Dallas-Fort Worth, TX	339.5	344.7	329.4	383.3	361.5	221.1	303.8	448.2		
Denver-Boulder, CO	357.2	359.7	288.3	441.5	385.6	191.8	304.0	418.0	292.9	
Detroit, MI	317.8	322.0	291.8	358.3	432.4	170.4	307.8	484.5	237.6	
Honolulu, HI	294.1	301.1	327.2	282.2	303.4	204.4	271.7	432.6	291.8	
Houston, TX	336.4	333.3	339.6	348.1	430.8	251.2	275.4	486.3	288.3	
Kansas City, MO-KS	318.7	322.7	309.8	348.7	377.8	226.0	288.6	433.4	298.0	
Los Angeles-Long Beach-Anaheim, CA	320.2	330.7	305.1	371.7	362.4	184.1	325.5	458.2	239.2	
Miami, FL <sup>3</sup>	171.7	174.0	184.5	178.7	175.0	146.8	178.9	202.7	138.8	
Milwaukee, WI	330.5	331.7	298.6	377.5	402.1	229.5	300.2	388.0	282.4	
Minneapolis-St. Paul, MN-WI	338.2	340.5	317.8	383.2	384.3	201.7	282.3	418.4	302.8	
New York, NY-Northeast NJ	314.3	324.8	323.4	338.3	382.6	181.3	336.3	442.4	291.4	
Northeast PA	308.5	310.7	299.1	332.7	478.7	209.1	289.3	471.1	288.4	
Philadelphia, PA-NJ	314.2	322.0	314.0	337.6	391.8	183.2	328.2	473.6	254.2	
Pittsburgh, PA	328.2	330.2	301.0	378.5	387.2	196.1	314.8	451.4	280.7	
Portland, OR-WA	312.4	316.6	308.1	323.1	387.5	187.0	314.5	429.8	288.1	
St. Louis, MO-IL	318.1	322.7	312.6	358.2	344.3	195.9	284.3	406.0	282.9	
San Diego, CA	373.2	383.7	327.4	488.8	337.9	217.0	316.8	383.9	357.6	
San Francisco-Oakland, CA	333.1	343.2	312.5	403.0	413.8	208.8	308.0	413.8	281.1	
Seattle-Everett, WA	321.9	322.2	297.9	383.2	385.2	200.6	288.0	404.2	270.7	
Washington, DC-MD-VA	321.9	331.1	325.8	353.3	380.9	223.4	304.1	454.0	288.4	

NA Not available. <sup>1</sup> 1970-1977 based on 56 urban areas; beginning 1978 based on 65 areas. Includes medium- and small-sized cities, not shown separately. 1970-1978, excludes Portland. <sup>2</sup> October 1967=100. <sup>3</sup> November 1977=100.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and in *CPI Detailed Report*, January issues.

# **NO. 742. ANNUAL PERCENT CHANGES IN CONSUMER PRICES, UNITED STATES AND OECD COUNTRIES: 1970 TO 1986**

[Covers member countries of Organization for Economic Cooperation and Development (OECD). For consumer price indexes for OECD countries, see section 31]

COUNTRY	1970-1975, avg.	1975-1980, avg.	1980-1985, avg.	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	6.7	6.9	5.5	5.8	6.5	7.7	11.3	13.5	10.4	8.1	3.2	4.3	3.5	2.0
OECD, total	6.5	6.8	6.6	6.6	6.8	7.9	8.8	12.9	10.5	7.8	5.2	5.3	4.5	2.5
OECD, Europe	9.5	11.2	9.0	10.9	11.1	9.3	10.6	14.3	12.2	10.5	8.2	7.4	6.5	3.8
Australia	10.2	10.8	8.3	13.5	12.3	7.8	9.1	10.2	9.7	11.2	10.1	3.9	6.8	9.1
Canada	7.3	8.7	7.4	7.5	8.0	9.0	9.1	10.1	12.5	10.8	5.9	4.3	4.0	4.8
Japan	11.5	8.5	2.7	9.3	8.1	3.8	3.8	8.0	4.9	2.7	1.9	2.2	2.1	(NA)
New Zealand	10.2	14.8	12.0	16.9	14.3	12.0	13.8	17.1	15.4	16.1	7.4	6.2	15.4	13.2
Austria	7.9	5.3	4.9	7.3	5.5	3.5	3.7	6.4	6.6	5.4	3.3	5.6	3.2	1.7
Belgium	8.4	8.4	7.0	9.2	7.1	4.8	4.5	6.6	7.6	6.7	7.7	6.3	4.9	1.3
Denmark	9.9	10.4	7.8	9.0	11.1	10.0	8.6	12.3	11.7	10.1	6.9	6.3	4.7	3.6
Finland	11.7	10.7	6.6	14.4	12.2	7.8	7.5	11.6	12.0	9.8	8.3	7.1	5.9	3.6
France	8.6	10.5	9.8	8.6	9.4	8.1	10.8	13.8	13.4	11.8	9.6	7.4	5.6	2.7
Greece	12.3	16.3	20.7	13.3	12.1	12.8	19.0	24.9	24.5	21.0	20.2	18.5	19.3	23.0
Ireland	12.3	14.1	12.3	18.0	13.6	7.6	13.3	18.2	20.4	17.1	10.5	8.8	5.4	3.8
Italy	11.3	18.3	13.7	16.8	18.4	12.1	14.8	21.2	19.5	16.6	14.8	10.8	9.2	5.8
Luxembourg	7.2	8.1	11.9	8.8	6.7	3.1	4.5	6.3	8.1	9.4	6.7	4.8	4.1	3
Netherlands	8.8	6.0	4.2	6.8	6.4	4.1	4.2	6.6	6.7	6.0	2.6	3.3	2.3	2
Norway	8.4	8.4	9.0	9.1	9.1	8.1	4.8	10.9	13.6	11.3	8.4	6.2	5.7	7.2
Portugal <sup>1</sup>	15.4	21.8	23.2	18.3	27.2	22.5	23.9	16.6	20.0	22.4	25.5	29.3	19.3	11.7
Spain	12.1	18.6	12.2	17.7	24.5	19.8	15.7	15.5	14.8	14.4	12.1	11.3	8.8	8.6
Sweden	8.0	10.5	9.0	10.3	11.4	10.0	7.2	13.7	12.1	8.6	8.9	8.0	7.4	4.3
Switzerland	7.7	2.9	4.3	1.7	1.3	1.1	3.6	4.0	6.5	5.6	3.0	3.0	3.4	7
Turkey <sup>1</sup>	18.6	50.1	37.8	17.4	29.0	61.9	63.5	64.3	37.8	32.7	28.8	48.8	44.9	34.8
United Kingdom	13.0	14.4	7.2	16.5	15.8	8.3	13.4	18.0	11.9	8.6	4.8	5.0	6.1	3.4
West Germany	6.1	4.1	3.9	4.5	3.7	2.7	4.1	5.5	5.9	5.3	3.3	2.4	2.2	-2

NA Not available. <sup>1</sup> Excludes rent.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators*, monthly.

## **NO. 743. CONSUMER PRICE INDEXES FOR ALL URBAN CONSUMERS—U.S. REGIONS: 1974 TO 1986**

[December 1977 = 100. For composition of regions, see fig. 1, inside front cover]

REGION AND AREA	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>All items:</b>													
Northeast	81.4	87.9	92.9	98.1	104.3	114.7	129.4	143.3	150.8	157.1	164.5	170.7	175.0
Midwest	79.3	86.2	91.2	97.4	105.3	116.2	134.0	146.6	157.0	162.6	168.5	173.7	175.8
South	79.8	86.5	91.3	97.4	105.4	117.4	132.9	147.2	158.6	161.7	168.4	173.8	178.6
West	77.1	85.1	90.2	96.9	105.1	117.3	134.8	148.5	157.5	160.0	167.4	174.5	178.6
<b>Food:</b>													
Northeast	83.1	89.8	92.8	98.0	107.2	118.0	128.6	138.9	144.8	147.8	153.6	157.9	163.7
Midwest	82.8	88.8	92.0	97.9	108.0	119.8	130.0	139.4	144.1	148.9	150.9	153.4	158.0
South	80.9	88.8	92.0	98.0	107.9	120.1	130.4	140.7	148.1	149.5	155.9	159.1	163.8
West	81.1	88.3	90.2	97.1	108.0	120.2	130.2	141.0	147.7	152.3	158.3	162.1	166.5
<b>Housing:</b>													
Northeast	(NA)	(NA)	(NA)	(NA)	104.3	115.2	132.3	146.7	156.9	163.6	171.5	178.8	184.8
Midwest	(NA)	(NA)	(NA)	(NA)	105.1	121.1	140.0	153.5	166.4	175.4	181.1	187.2	191.4
South	(NA)	(NA)	(NA)	(NA)	106.0	119.0	136.6	153.2	165.1	168.7	174.5	180.0	184.8
West	(NA)	(NA)	(NA)	(NA)	105.1	117.8	136.5	154.1	163.7	163.4	171.9	181.0	187.9
<b>Population-size class of SMSA:<sup>1</sup></b>													
Less than 75,000	(NA)	(NA)	(NA)	(NA)	104.9	116.6	131.3	144.6	156.0	160.7	167.2	172.0	173.8
75,000 to 384,999	(NA)	(NA)	(NA)	(NA)	105.4	117.6	133.1	146.4	155.7	160.1	166.6	172.2	175.0
385,000 to 1,249,999	(NA)	(NA)	(NA)	(NA)	105.2	117.5	134.0	148.6	156.9	161.6	168.5	174.5	177.1
1,250,000 to 4,000,000	(NA)	(NA)	(NA)	(NA)	105.1	117.2	133.5	147.8	157.4	162.9	169.8	175.8	178.9
Over 4,000,000	(NA)	(NA)	(NA)	(NA)	104.5	115.4	131.1	143.8	152.1	157.4	164.5	171.1	175.9
<b>ANNUAL PERCENT CHANGE</b>													
<b>All items:</b>													
Northeast	11.1	8.0	5.7	5.8	6.3	10.0	12.8	10.7	5.2	4.2	4.7	3.8	2.5
Midwest	10.9	8.7	5.8	6.8	8.1	12.3	13.4	8.4	7.1	3.6	3.7	3.0	1.2
South	12.1	9.8	5.5	6.7	8.2	11.4	13.2	10.8	6.4	3.3	4.1	3.2	1.9
West	10.6	10.4	6.0	7.4	8.5	11.6	14.7	10.3	6.1	1.6	4.6	4.2	2.3

NA Not available. <sup>1</sup> See headnote, table 744. <sup>2</sup> Change from 1973.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *CPI Detailed Report*, January issues.



No. 744. AVERAGE PRICES (UNIT VALUES)—SELECTED COMMODITIES EXPORTED AND IMPORTED:  
1970 TO 1986

[In dollars per unit. Includes trade of Puerto Rico with foreign countries. Unit values obtained by dividing annual values of domestic exports and imports of merchandise for consumption by annual quantities. Values of goods exported represent those at port of export. For 1970, values of goods imported represent market values in country from which imported; transaction values f.a.s. (free alongside ship) at port of export through 1981; and customs value beginning in 1982. Unit values may show actual price movements only roughly for commodities subject to considerable price variations among different grades, methods of packing, etc., and to year-to-year variations in proportions of grades, etc. Unit values of agricultural exports also include effects of Commodity Credit Corporation sales for export]

COMMODITY	Unit	1970	1975	1980	1982	1982	1984	1985	1986
EXPORTS									
Wheat.....	Bushel.....	1.58	4.54	4.85	4.46	4.41	4.17	3.95	3.34
Milled rice, less than 75% broken kernels.....	Lb.....	.079	.189	.197	.199	.198	.167	.172	.111
Corn.....	Bushel.....	1.45	3.36	3.41	2.91	3.40	3.63	3.00	2.11
Grain sorghums.....	Bushel.....	1.32	3.05	3.34	2.92	3.36	3.17	2.85	2.23
Wheat flour.....	100 lb.....	3.85	10.34	12.17	11.26	6.99	11.09	9.57	6.81
Leaf tobacco, flue-cured, unstemmed.....	Lb.....	.921	1.46	2.11	2.82	2.70	2.82	2.54	2.41
Cigarettes.....	1,000.....	5.45	7.36	12.87	18.78	18.55	19.82	20.02	20.30
Soybeans.....	Bushel.....	2.80	6.24	7.35	6.64	7.09	7.57	6.04	5.01
Synthetic rubber, "s" type <sup>1</sup> .....	Lb.....	.177	.283	.402	.457	.439	.444	.441	.365
Woodpulp, special alpha and dissolving grades.....	Sh. ton.....	187.40	291.97	511.57	518.93	503.64	511.45	474.25	476.94
Cotton, upland, staple 1" to 1 1/2".....	Lb.....	.259	.542	.706	.637	.688	.744	.676	.762
Cotton, upland, staple, 1 1/2" and over.....	Lb.....	.308	.601	.817	.741	.745	.798	.747	.340
Bituminous coal.....	Sh. ton.....	13.40	49.23	40.37	56.39	49.29	50.63	45.23	46.97
Steel scrap, No. 1, heavy melting.....	Sh. ton.....	43.37	64.53	102.20	73.85	74.45	86.41	79.04	101.76
Tallow, inedible.....	Lb.....	.067	.162	.218	.195	.183	.229	.201	.141
Soybean oil, crude.....	Lb.....	.122	.332	.269	.216	.222	.309	.304	.211
Carbon steel sheets, cold rolled.....	Lb.....	.077	.175	.184	.245	.236	.279	.296	.196
Polyethylene resin.....	Lb.....	.134	.257	.423	.340	.341	.376	.317	.374
Styrene, polymer, and copolymer resins.....	Lb.....	.193	.343	.576	.682	.688	.706	.743	.682
Container board liners.....	Lb.....	.062	.126	.156	.144	.128	.153	.133	.294
Nylon yarn, incl. monofilaments.....	Lb.....	.953	1.15	1.41	1.54	1.49	1.24	1.33	1.07
Carbon black, furnace.....	Lb.....	.000	.167	.331	.524	.564	.607	.636	.749
Copper, refined, crude forms.....	Lb.....	.671	.654	.974	.680	.739	.689	.627	.672
Aluminum metal and alloys.....	Lb.....	.263	.361	.607	.751	.690	.901	.984	.744
IMPORTS									
Canned beef.....	Lb.....	.425	.724	1.44	1.15	1.14	1.04	1.14	1.15
Cashew nuts.....	Lb.....	.599	.846	2.02	1.61	1.59	2.12	1.95	2.52
Raw sugar.....	Lb.....	.070	.245	.223	.153	.176	.168	.130	.162
Coffee (Brazil).....	Lb.....	.474	.679	1.87	1.25	1.24	1.31	1.27	1.72
Coffee (Colombia).....	Lb.....	.535	.683	1.70	1.40	1.29	1.37	1.27	1.89
Cocoa (cacao beans, Africa).....	Lb.....	.352	.670	1.26	.815	.732	.920	.947	.996
Tea (Sri Lanka).....	Lb.....	.390	.582	.858	.764	.960	1.37	.950	.785
Whisky, containers of 1 gal. or less (U.K.).....	Proof gal.....	7.48	8.22	13.58	16.78	16.33	16.49	16.60	11.85
Whisky, containers of 1 gal. or less (Canada).....	Proof gal.....	6.70	7.60	9.99	12.94	13.06	13.56	12.71	6.47
Cigarette leaf, unstemmed.....	Lb.....	.568	1.03	1.27	1.43	1.54	1.52	1.49	1.46
Goat and kid skins, dry.....	Lb.....	1.06	1.26	5.10	2.26	2.33	1.89	1.40	3.97
Crude rubber, except milk.....	Lb.....	.189	.236	.586	.367	.423	.454	.352	.350
Sawed lumber, fir.....	Mil. bd. ft.....	71.13	137.64	255.12	170.18	212.01	187.43	205.07	208.42
Sawed lumber, spruce.....	Mil. bd. ft.....	73.96	132.55	192.25	183.15	194.55	184.51	181.30	189.82
Woodpulp, sulphite, bleached, exc. rayon and special chemical grades.....	Sh. ton.....	142.90	323.72	443.79	449.16	416.86	418.24	399.49	399.42
Woodpulp, sulphate, bleached.....	Sh. ton.....	143.68	353.41	431.74	377.23	336.61	412.41	332.84	332.62
Apparel wool, 60's and finer <sup>2</sup> .....	Lb.....	.879	1.59	1.70	1.78	1.57	1.51	1.57	1.97
Iron ore (Canada).....	Ton.....	12.42	22.15	33.61	36.82	36.44	37.05	36.01	36.04
Iron ore (Venezuela).....	Ton.....	8.33	15.84	22.48	33.84	34.97	22.92	24.10	21.11
Manganese ore, metallurgical grade <sup>3</sup> .....	Lb.....	.020	.050	.066	.066	.058	.019	.029	.044
Bauxite, crude.....	Ton.....	10.91	20.67	27.81	33.14	29.17	30.26	29.41	27.96
Copper ore and concentrates <sup>3</sup> .....	Lb.....	.617	.566	.700	.557	.485	.623	.512	.580
Crude petroleum (Venezuela) <sup>4</sup> .....	Bbl.....	2.30	11.68	27.84	33.84	27.78	28.57	27.02	13.59
Newsprint.....	Sh. ton.....	140.11	244.10	368.96	420.68	306.52	417.99	428.87	428.80
Jute burlap.....	Lb.....	.230	.294	.379	.482	.470	.516	.589	.411
Concrete reinforcement bars.....	Lb.....	.051	.092	.150	.123	.094	.101	.106	.113
Steel tubes and pipes, at least .065" thick, 3/4" diameter.....	Lb.....	.075	.208	.233	.308	.237	.210	.496	.382
Copper, refined (Chile) <sup>3</sup> .....	Lb.....	.630	.531	.986	.664	.706	.816	.617	.601
Nickel in pigs, ingots, shot, etc.....	Lb.....	1.30	1.88	3.17	2.81	2.33	2.31	2.49	2.01
Tin bars, blocks, pigs, etc. (Malaysia).....	Lb.....	1.86	3.35	7.75	5.89	6.00	5.52	5.37	3.15

<sup>1</sup> Excludes latex (liquid).   <sup>2</sup> Clean content.   <sup>3</sup> Metal content.   <sup>4</sup> Testing 25° API or more.  
Source: U.S. Bureau of the Census, *U.S. Exports, Schedule B Commodity, By Country*, Report FT 446, annual; and *U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country of Origin*, Report FT 246, annual.

## NO. 748. IMPORT PRICE INDEXES—SELECTED COMMODITIES: 1980 TO 1987

Index values are given for the June quarter of each year. Indexes are weighted by the 1980 Tariff Schedule of the United States. Annotated, a scheme for describing and reporting product composition and value of U.S. imports. Import prices are based on U.S. dollar prices paid by importer. F.O.B. = Free on board; c.i.f. = Cost, insurance, and freight.

COMMODITY	Unit	1980	1982	1983	1984	1985	1986	1987
<b>All commodities</b>	Sept. 1982 = 100	(NA)	(NA)	97.2	98.3	98.0	93.2	96.3
<b>Food</b>	Sept. 1977 = 100	104.4	91.5	87.9	103.5	95.8	104.7	102.0
Meat	June 1977 = 100	139.4	141.6	137.9	133.6	118.2	116.5	135.9
Meat and edible meat offals, fresh, chilled or frozen	Sept. 1977 = 100	156.0	156.7	158.7	151.0	132.7	128.6	147.8
Meat and edible meat offals, prepared or preserved, n.e.s. <sup>1</sup> , fish extracts	June 1977 = 100	107.1	112.6	100.9	104.2	93.6	102.8	117.1
Dairy products and eggs	June 1981 = 100	(NA)	103.4	101.5	99.8	97.9	107.1	119.6
Fish	June 1977 = 100	124.4	135.6	135.9	134.2	129.4	144.6	167.4
Shellfish, fresh, chilled, frozen, salted, or dried, c.i.f.	June 1977 = 100	123.2	149.0	154.6	156.5	146.2	162.4	178.0
Fish in airtight containers, c.i.f.	Sept. 1979 = 100	109.5	108.2	100.2	100.2	96.6	102.5	114.5
Bakery goods <sup>2</sup>	Sept. 1977 = 100	131.1	137.4	131.0	134.6	132.3	149.2	165.2
Fruits and vegetables	June 1977 = 100	100.2	111.9	132.0	135.8	129.4	119.4	125.4
Sugar <sup>3</sup>	Mar. 1982 = 100	(NA)	82.7	117.2	120.3	122.6	121.8	128.6
Coffee, tea, cocoa	June 1977 = 100	67.9	50.0	52.6	62.4	56.0	69.2	49.3
<b>Beverages and tobacco</b>	June 1977 = 100	136.3	153.0	153.8	156.3	157.1	166.5	174.1
Beverages	June 1977 = 100	136.3	153.0	153.5	153.8	154.3	163.9	174.6
Alcoholic	June 1977 = 100	136.3	153.0	153.5	153.4	154.2	163.6	174.2
Wine of fresh grapes, c.i.f.	June 1977 = 100	152.6	165.5	164.9	158.5	162.6	179.2	198.0
Beer, c.i.f.	Sept. 1981 = 100	(NA)	101.7	101.6	102.6	104.7	107.9	116.3
Spirits, c.i.f.	June 1977 = 100	139.2	167.2	168.6	171.6	170.2	178.1	185.6
<b>Crude materials</b>	Sept. 1983 = 100	(NA)	(NA)	(NA)	102.6	93.6	95.3	105.6
Crude rubber <sup>4</sup>	Mar. 1984 = 100	(NA)	(NA)	(NA)	93.7	76.4	75.5	84.5
Wood	Sept. 1981 = 100	(NA)	66.7	124.2	103.2	106.9	106.9	112.0
Lumber	Sept. 1981 = 100	(NA)	65.4	128.3	104.4	108.1	107.4	113.1
Pulp and waste paper	Dec. 1981 = 100	(NA)	86.0	80.3	95.1	80.4	79.9	104.6
Crude minerals	Dec. 1983 = 100	(NA)	(NA)	(NA)	96.2	101.7	100.0	98.4
Metalliferous ores and metal scrap	Mar. 1984 = 100	(NA)	(NA)	(NA)	102.6	87.6	95.6	100.0
Ores and concentrates of base metals, n.e.s. <sup>1</sup>	Mar. 1984 = 100	(NA)	(NA)	(NA)	104.1	84.4	103.0	105.3
Crude vegetable and animal materials, n.e.s. <sup>5</sup>	Mar. 1984 = 100	(NA)	(NA)	(NA)	100.6	104.9	104.4	120.3
<b>Fuels and related products</b>	June 1982 = 100	(NA)	100.0	87.8	88.0	80.9	37.5	54.8
Crude petroleum and petroleum products	June 1982 = 100	(NA)	100.0	87.8	88.1	81.8	38.1	55.2
Crude petroleum	June 1977 = 100	244.0	253.6	219.7	218.5	206.6	65.6	128.8
Natural gas and LNG	Sept. 1981 = 100	(NA)	89.8	89.4	86.6	70.2	55.8	47.5
<b>Fats and oils</b>	Sept. 1983 = 100	(NA)	(NA)	(NA)	141.6	78.7	39.3	54.5
<b>Chemicals and related products</b>	Sept. 1982 = 100	(NA)	(NA)	100.0	100.8	94.9	93.3	98.8
<b>Intermediate manufactured products</b>	Dec. 1977 = 100	141.9	137.8	136.2	136.6	132.4	135.6	147.4
Leather and furskins	June 1977 = 100	141.6	135.6	133.2	145.9	133.3	143.0	196.6
Rubber manufactures	June 1977 = 100	136.3	148.7	142.6	140.6	138.6	137.7	140.5
Cork and wood manufactures	June 1977 = 100	130.1	126.9	134.3	131.0	121.2	134.3	151.6
Paper and paperboard products	June 1977 = 100	132.6	149.9	142.6	150.4	157.2	157.1	165.0
Paper and paperboard	June 1977 = 100	131.9	149.7	141.6	148.7	157.4	155.6	163.6
Newsprint, c.i.f.	June 1977 = 100	132.6	151.4	141.9	150.5	160.0	156.7	166.0
Textiles	June 1977 = 100	132.9	130.3	128.0	130.1	127.5	132.9	140.4
Non-metallic mineral manufactures	June 1977 = 100	158.5	157.3	166.2	166.6	151.6	166.6	190.3
Iron and steel	Sept. 1978 = 100	119.4	127.9	114.8	123.6	120.1	116.1	127.1
Non-ferrous metals	Dec. 1981 = 100	(NA)	87.4	97.2	96.3	82.3	78.9	90.9
Silver platinum and other metals of platinum group, c.i.f.	June 1982 = 100	(NA)	87.6	129.6	118.1	80.5	93.6	124.1
Copper	June 1977 = 100	125.3	106.2	110.7	101.0	97.6	101.3	105.3
Nickel, c.i.f.	Mar. 1982 = 100	(NA)	96.2	81.1	82.1	68.8	73.2	69.8
Zinc	June 1977 = 100	102.5	97.6	103.1	142.6	122.0	82.4	112.8
Tin, c.i.f.	Dec. 1977 = 100	140.2	106.2	110.0	102.6	96.0	46.3	57.1
Metal manufactures, n.e.s. <sup>1</sup>	June 1977 = 100	123.9	125.1	119.3	120.5	117.6	127.6	134.5
<b>Machinery and transport equipment</b>	June 1981 = 100	(NA)	103.2	104.3	104.1	102.6	115.3	126.1
Machinery specialized for particular industries	Dec. 1981 = 100	(NA)	102.8	104.2	100.0	97.0	115.4	129.5
Metalworking machinery	Mar. 1980 = 100	100.7	100.8	97.5	93.8	90.5	107.7	126.1
General industrial machinery, parts n.e.s. <sup>1</sup>	June 1981 = 100	(NA)	96.2	95.6	94.4	91.1	109.0	123.0
Office machines <sup>6</sup>	Mar. 1980 = 100	100.4	95.9	95.3	96.7	89.4	101.9	106.4
Telecommunications <sup>7</sup>	Mar. 1980 = 100	101.5	96.8	97.2	94.6	88.6	91.6	95.5
Electric machinery and equipment	Dec. 1981 = 100	(NA)	98.1	96.4	91.2	83.9	87.5	94.8
Road vehicles and parts	June 1981 = 100	(NA)	105.7	107.4	110.4	112.1	127.1	139.2
<b>Misc. manufactured articles</b>	Mar. 1980 = 100	99.1	100.1	100.4	101.5	98.0	104.6	118.1
Plumbing, heating and lighting fixtures	June 1980 = 100	100.0	104.6	107.3	112.0	114.1	123.5	130.6
Furniture and parts	June 1980 = 100	100.0	101.1	98.2	96.0	94.4	102.2	106.7
Footwear c.i.f.	June 1977 = 100	139.6	139.0	134.6	140.6	136.7	142.2	153.3
Professional, scientific and controlling instruments and apparatus	Dec. 1979 = 100	104.6	104.7	96.4	97.5	82.3	112.5	129.5
Photographic apparatus <sup>8</sup>	Mar. 1980 = 100	101.6	96.7	91.5	82.8	89.5	103.2	114.4
Misc. manufactured articles, n.e.s. <sup>1</sup>	June 1982 = 100	(NA)	100.0	107.7	104.0	95.2	103.4	121.8

NA Not available. <sup>1</sup> N.e.s. = not elsewhere specified. <sup>2</sup> Includes pasta products, grain and grain preparations. <sup>3</sup> Includes sugar preparations and honey. <sup>4</sup> Includes synthetic and reclaimed rubber. <sup>5</sup> Includes automatic data processing equipment. <sup>6</sup> Includes sound recording and reproducing equipment. <sup>7</sup> Includes photographic supplies, optical goods, watches and clocks.

Source: U.S. Bureau of Labor Statistics, News, quarterly.

## NO. 746. EXPORT PRICE INDEXES—SELECTED COMMODITIES: 1980 TO 1987

Index values are given for June quarter of each year. Indexes are weighted by 1980 export values according to the Schedule B classification system of the U.S. Bureau of the Census. Prices used in these indexes were collected from a sample of U.S. manufacturers of exports and are f.o.b. (free on board) factory transaction prices, except as noted.

COMMODITY	Unit	1980	1982	1983	1984	1985	1986	1987
<b>All commodities</b>	Sept. 1983=100	(NA)	(NA)	(NA)	101.5	97.5	98.7	98.9
<b>Food</b>	Mar 1983=100	(NA)	(NA)	105.1	109.8	94.0	89.5	83.4
<b>Meat</b>	Mar 1983=100	(NA)	(NA)	100.5	108.7	104.7	114.7	129.0
<b>Fish</b>	Mar 1983=100	(NA)	(NA)	96.5	98.7	103.6	108.2	122.9
<b>Grain and grain preparations</b>	Mar 1980=100	93.9	93.4	103.5	107.4	90.3	79.1	66.5
Wheat	Mar 1980=100	92.3	87.3	91.1	89.5	80.5	88.2	85.4
Rice	Dec 1983=100	(NA)	(NA)	(NA)	94.8	91.1	57.5	52.2
Barley, f.o.b.	Mar 1980=100	94.2	100.0	89.6	108.2	83.3	81.5	72.0
Corn, yellow, f.o.b.	Mar 1980=100	95.6	100.0	115.4	125.8	99.8	91.3	69.2
Yellow sorghum, f.o.b.	Mar 1980=100	97.0	97.9	117.2	114.4	92.5	84.0	87.8
<b>Fruits and vegetables</b>	Mar 1983=100	(NA)	(NA)	105.8	128.9	120.2	125.8	130.8
<b>Feed stuff for animals</b>	Mar 1983=100	(NA)	(NA)	100.6	98.8	88.6	85.5	93.7
<b>Miscellaneous food products</b>	Mar 1983=100	(NA)	(NA)	101.1	110.6	109.2	104.7	110.0
<b>Beverages and tobacco</b>	June 1983=100	(NA)	(NA)	100.0	101.9	100.1	95.5	104.0
Beverages	Sept. 1983=100	(NA)	(NA)	(NA)	102.9	105.3	103.0	104.8
Tobacco and tobacco products	June 1983=100	(NA)	(NA)	100.0	101.8	99.6	95.9	104.0
<b>Crude materials</b>	June 1983=100	(NA)	(NA)	100.0	118.3	99.9	95.6	106.4
Raw hides and skins	June 1980=100	100.0	118.7	118.2	154.7	128.2	148.8	191.2
Oilseeds and oleaginous fruit	Sept. 1977=100	74.0	77.0	75.0	104.3	71.2	65.8	68.6
Crude rubber, f.o.b. <sup>1</sup>	Sept. 1983=100	(NA)	(NA)	(NA)	108.0	108.3	106.1	111.8
Wood	June 1977=100	156.8	135.4	127.1	129.4	125.7	128.7	148.2
Pulp and waste paper	June 1983=100	(NA)	(NA)	100.0	122.1	95.1	109.7	138.7
Textile fibers	June 1977=100	112.9	108.1	111.3	125.6	105.8	98.6	115.0
Cotton	June 1977=100	112.6	95.3	105.8	124.3	95.8	99.9	105.9
Raw cotton	June 1977=100	112.3	95.1	105.8	123.7	95.0	98.7	105.9
Crude minerals and fertilizers	June 1977=100	131.7	151.1	145.0	147.7	167.9	168.1	155.1
Crude fertilizers	June 1977=100	130.8	131.8	115.5	114.5	112.3	112.7	110.9
Metal ores and scrap	Sept. 1983=100	(NA)	(NA)	(NA)	98.5	82.0	80.5	90.7
Scrap metal (iron or steel) f.o.b. <sup>1</sup>	June 1977=100	137.1	103.6	108.3	124.5	110.8	105.2	108.8
Ores and concentrates of base metals, n.e.s. <sup>1</sup> , f.o.b. <sup>1</sup>	Sept. 1983=100	(NA)	(NA)	(NA)	98.0	88.0	87.5	82.8
Nonferrous base metal waste and scrap, n.e.s. <sup>1</sup> , f.o.b. <sup>1</sup>	Mar 1983=100	(NA)	(NA)	116.5	116.4	98.9	100.5	128.9
<b>Fuels and related products</b>	Sept. 1983=100	(NA)	(NA)	(NA)	99.7	98.2	88.7	84.4
Bituminous coal, f.o.b. <sup>1</sup>	June 1981=100	(NA)	105.0	90.9	87.3	84.8	79.3	74.6
Lubricating oils, f.o.b. <sup>1</sup>	Sept. 1983=100	(NA)	(NA)	(NA)	102.1	100.9	84.8	87.1
Petroleum cokes, tars, and mineral waxes	Dec. 1983=100	(NA)	(NA)	(NA)	103.5	110.6	94.0	97.8
Natural gas, f.o.b. <sup>1</sup>	Sept. 1983=100	(NA)	(NA)	(NA)	100.4	98.4	81.3	(NA)
<b>Fats and oils</b>	June 1983=100	112.8	112.8	100.0	164.5	144.5	87.5	92.7
Vegetable oils	June 1983=100	(NA)	(NA)	100.0	178.4	164.8	95.3	94.7
<b>Chemicals and related products</b>	Mar 1983=100	(NA)	(NA)	98.4	99.7	98.8	85.4	103.1
Organic chemicals	Dec. 1983=100	(NA)	(NA)	(NA)	101.0	98.5	89.3	114.9
Hydrocarbons, n.e.s. <sup>1</sup> and derivatives f.o.b. <sup>1</sup>	Dec. 1978=100	178.5	154.0	148.2	146.1	135.1	111.2	165.9
Alcohols, phenols, phenol-alcohols, and derivatives, f.o.b. <sup>1</sup>	June 1977=100	151.4	144.2	136.5	138.0	135.9	130.0	147.0
Carboxylic acids, f.o.b. <sup>1</sup>	June 1977=100	151.2	150.6	144.3	155.8	151.8	143.7	151.2
Fertilizers, manufactured	Mar 1983=100	(NA)	(NA)	88.8	96.9	87.9	84.0	80.4
Pesticides, starches, glue, gas and oil additives, chemical materials and products, n.e.s. <sup>1</sup>	Mar 1984=100	(NA)	(NA)	(NA)	100.2	102.5	105.1	101.9
<b>Intermediate manufactured products</b>	Sept. 1981=100	(NA)	97.7	100.4	101.3	99.2	101.2	108.8
Leather and fur skins	Sept. 1979=100	80.4	69.7	67.2	81.2	79.2	82.5	101.1
Rubber manufactures	June 1977=100	129.4	148.2	144.8	147.5	149.0	150.0	153.9
Paper and paperboard products	June 1978=100	130.4	139.5	135.8	154.7	151.6	158.7	177.7
Textiles								
Woven man-made fabric, f.o.b. <sup>1</sup>	Dec. 1978=100	110.7	133.3	134.7	141.3	140.6	141.3	148.2
<b>Non-metallic mineral manufactures:</b>								
Glassware	June 1977=100	137.2	169.4	169.5	188.0	198.6	204.6	212.3
Iron and steel	Mar 1982=100	(NA)	100.5	95.9	96.1	95.3	98.4	101.5
Non-ferrous metals	Sept. 1981=100	(NA)	85.4	102.8	92.9	79.6	79.1	90.8
Metal manufactures, n.e.s. <sup>1</sup>	Mar 1982=100	(NA)	101.5	104.5	105.2	105.2	106.5	105.8
<b>Machinery and transport equipment<sup>2</sup></b>	Dec. 1978=100	112.8	132.6	135.3	139.4	142.9	144.2	148.8
Power generating machinery <sup>3</sup>	Dec. 1978=100	118.6	149.0	152.5	158.9	167.4	169.2	172.9
Internal combustion piston engines, parts	June 1978=100	122.0	151.5	156.7	165.7	168.6	167.9	171.9
Electric motors, generators, and other rotating plant, f.o.b., factory	June 1977=100	130.4	148.0	147.8	147.7	155.9	157.8	168.8
<b>Machinery specialized for particular industries</b>	Sept. 1978=100	119.8	145.9	148.9	152.8	155.7	154.7	159.0
Agricultural machinery and parts <sup>4</sup>	Sept. 1978=100	113.2	135.0	145.9	152.2	155.2	158.3	168.8
Tractors, f.o.b., factory	June 1977=100	138.9	156.4	163.9	187.4	170.2	(NA)	(NA)
Civil engineering and contractors, plant and equipment <sup>5</sup>	June 1977=100	134.6	173.0	169.6	173.2	174.9	172.8	172.1
Metalworking machinery	June 1978=100	120.8	146.1	148.4	151.2	155.1	158.8	165.9
General industrial machines, parts, n.e.s. <sup>1</sup>	Sept. 1978=100	117.3	142.6	145.0	149.0	152.0	153.3	157.8
Office machines <sup>7</sup>	June 1977=100	100.7	105.0	103.6	101.5	100.0	99.2	96.0
Telecommunications <sup>8</sup>	June 1977=100	117.8	128.2	131.1	132.3	133.3	137.0	140.8
Electrical machinery, equipment	June 1977=100	100.3	108.6	108.5	112.6	118.1	114.2	117.2
Road vehicles and parts	Mar 1980=100	103.3	121.2	125.6	131.2	133.9	136.4	138.5
Other transport equipment <sup>9</sup>	June 1977=100	127.8	168.5	175.6	187.7	198.9	208.8	214.7

NA Not available. <sup>1</sup> F.o.b.—free alongside ship. N.e.s.—not elsewhere specified. <sup>2</sup> Excludes military and commercial aircraft. <sup>3</sup> Includes equipment. <sup>4</sup> Excludes tractors. <sup>5</sup> Tractors are fitted with or without power take-offs, winches or pulleys. <sup>6</sup> Includes parts. <sup>7</sup> Includes data processing equipment. <sup>8</sup> Includes sound recording and reproducing equipment.

Source: U.S. Bureau of Labor Statistics, News, quarterly.

## No. 747. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1973 TO 1986

(Represents average price except as noted. Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M96, 139, 148, 209, 246, and 262)

MINERAL	Unit	1973	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel
Aluminum <sup>1</sup>	Cents/lb.	25.3	39.6	51.6	54.0	61.0	71.6	76.0	76.0	77.8	81.0	81.0	81.0
Bituminous coal <sup>2</sup>	Dol./sh. ton	8.53	18.23	19.82	21.78	23.65	24.52	26.29	27.14	25.85	25.51	25.10	24.50
Cobalt <sup>3</sup>	Dol./lb.	3.00	3.98	5.58	6.40	24.58	25.00	14.58	8.58	5.78	10.40	11.43	7.49
Copper electrolytic	Cents/lb.	59.5	64.2	66.8	68.5	93.3	101.3	84.2	72.8	78.5	68.8	67.0	66.1
Gold	Dol./fine oz.	98	161	148	194	308	613	480	378	424	361	316	388
Lead (NY)	Cents/lb.	16.3	21.5	30.7	33.7	52.6	42.5	36.5	25.5	21.7	25.8	19.1	22.1
Natural gas <sup>2</sup>	Dol./1,000 cu. ft.	22	45	79	91	1.18	1.59	1.98	2.46	2.59	2.66	2.51	1.87
Nickel <sup>1</sup>	Dol./lb.	1.53	2.20	2.41	2.10	3.20	2.85	2.65	2.24	2.20	2.22	2.26	1.88
Petroleum, crude <sup>2</sup>	Dol./bbl.	3.89	7.67	8.57	9.00	12.84	21.59	31.77	26.52	26.19	25.88	24.09	12.68
Platinum <sup>2</sup>	Dol./troy oz.	150	164	162	237	352	439	475	475	475	475	475	919
Silver	Dol./fine oz.	2.56	4.42	4.62	5.40	11.09	20.63	10.52	1.95	11.44	8.14	6.14	5.47
Tungsten concentrate <sup>2</sup>	Dol./lb.	2.71	5.30	9.15	8.22	8.40	8.38	7.96	6.36	4.70	5.18	4.22	3.21
Zinc <sup>10</sup>	Cents/lb.	20.7	39.0	34.4	31.0	37.3	37.4	44.6	38.5	41.4	48.6	40.4	36.0

<sup>1</sup> 99.5 percent primary aluminum ingot. <sup>2</sup> Average value at point of production; includes Alaska. Source: U.S. Energy Information Administration, *Annual Energy Review* and *Monthly Energy Review*. <sup>3</sup> Includes subbituminous coal and lignite. <sup>4</sup> Weighted average based on the market price quoted by a major U.S. cobalt dealer, otherwise based on range of prices. <sup>5</sup> Represents low price for year. Price ranged from low 6.40 lb. to 20.00 per lb. <sup>6</sup> Average value of marketed production. <sup>7</sup> 1973-1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, includes U.S. duty i.o.b. Port California, Ontario; thereafter, from New York dealer. <sup>8</sup> Producer prices. <sup>9</sup> Average value of shipments. <sup>10</sup> Delivered price.

Source: 1973 compiled from *Metals Week* (copyright); *Producer Prices and Price Indexes* (U.S. Bureau of Labor Statistics); *Minerals Yearbook* and *Mineral Commodity Summaries* (U.S. Bureau of Mines); thereafter, except as noted, *Minerals Yearbook*.

## No. 748. COMMODITY RESEARCH BUREAU FUTURES PRICE INDEX: 1974 TO 1986

(1967 = 100. Index computed daily. Represents unweighted geometric average of commodity futures prices (through 12 months forward) of 27 major commodity futures markets. Represents end of year index)

ITEM	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All commodities	203.5	191.0	204.7	206.3	227.6	291.5	308.5	254.9	234.0	277.6	244.3	229.3	209.1
Imported	274.1	259.4	348.1	334.8	345.0	425.3	426.0	357.0	269.0	326.0	291.7	306.2	321.2
Industrial	132.1	154.8	173.6	175.0	222.1	354.8	324.6	249.2	249.9	249.0	217.0	211.7	210.4
Grains	240.2	195.6	192.5	179.0	187.8	251.9	312.1	251.3	215.1	249.6	224.9	198.5	184.6
Oilseeds	289.2	181.6	229.7	208.6	240.6	258.1	314.6	271.0	236.9	318.6	273.5	245.4	189.8
Livestock and meats	175.2	180.8	162.5	166.9	196.4	195.0	217.4	186.3	219.9	229.7	240.6	208.9	200.2
Metals (precious) <sup>1</sup>	(NA)	141.0	149.5	163.8	230.4	658.0	531.4	319.7	368.0	328.5	243.3	256.6	296.6

NA Not available. <sup>1</sup> Prior to 1979, index for metals only.

Source: Commodity Research Bureau, Inc. (CRB), New York City, NY, *CRB Commodity Index Report*, weekly (Copyright.)

## No. 749. FOOD PRICES—FARM VALUE AND RETAIL PRICE FOR SELECTED ITEMS: 1975 TO 1986

(In dollars per retail unit indicated. The farm value is the payment to farmers for the quantity of farm products equivalent to the unit sold at retail minus imputed value of byproducts. Because of losses from processing, waste, and spoilage, the farm value represents larger quantities than the retail unit)

FOOD ITEM	Unit	FARM VALUE					RETAIL PRICE				
		1975	1980	1984	1985	1986	1975	1980	1984	1985	1986
Beef, choice	Lb.	.98	1.45	1.40	1.27	1.24	1.55	2.38	2.40	2.33	2.31
Pork	Lb.	.80	.63	.77	.71	.62	1.35	1.40	1.62	1.62	1.78
Broilers	Lb.	.37	.39	.44	.40	.46	.63	.73	.61	.76	.64
Eggs, grade A	Doz.	.51	.51	.66	.52	.54	.77	.64	1.01	.80	.87
Milk, sold in stores	1/2 gal.	.41	.69	.68	.56	.55	.79	1.05	1.13	1.13	1.11
Bread, white <sup>1</sup>	Lb.	.07	.05	.05	.05	.04	.41	.51	.54	.55	.57
Potatoes, Northeast white round	10 lb.	(NA)	.62	.68	.37	.50	(NA)	1.60	1.91	1.60	1.56
Oranges, California	Lb.	(NA)	.05	.17	.12	.08	(NA)	.36	.50	.53	.48
Lettuce, California <sup>2</sup>	Lb.	(NA)	.05	.04	.07	.06	(NA)	.46	.50	.53	.54
Orange juice, frozen	12 oz.	(NA)	.38	.49	.62	.39	(NA)	.86	1.22	1.32	1.07
Tomatoes, California <sup>3</sup>	Lb.	(NA)	.05	.05	.05	.05	(NA)	.42	.53	.52	.51

NA Not available. <sup>1</sup> Beginning 1980, farm value includes value for wheat, land, soybean oil, high fructose corn syrup, and soy-whey blend. <sup>2</sup> Farm value represents value in the field. Harvesting and packing, a contract operation, appears as processing or packing cost. <sup>3</sup> Whole canned tomatoes.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review*, 1986.

## NO. 750. RETAIL CONSUMER PRICE INDEXES OF FOOD—SELECTED AREAS: 1970 TO 1986

[1967 = 100. See headnote, table 741 and text, section 15 regarding SMSA's]

CITY/SMSA	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total food <sup>1</sup>	114.9	175.4	234.5	254.8	274.9	295.7	291.7	302.9	308.8	315.7
Anchorage, AK	(NA)	167.8	227.2	242.2	253.8	260.4	268.8	275.8	284.3	295.5
Atlanta, GA	114.8	181.8	238.2	257.3	278.8	291.8	298.8	310.3	318.0	334.6
Baltimore, MD	117.4	178.2	235.8	254.9	272.4	279.0	287.4	300.7	309.8	324.2
Boston, MA	114.9	175.2	229.0	245.3	258.7	265.4	271.7	286.1	297.8	311.3
Buffalo, NY	118.2	173.8	226.8	248.1	267.8	278.5	283.0	291.0	300.4	307.9
Chicago, IL-Northwestern IN	115.4	175.1	238.8	258.2	273.1	279.5	281.2	286.6	294.8	307.9
Cincinnati, OH-KY-IN	114.9	177.4	244.4	265.3	286.8	298.5	308.7	321.9	324.4	332.4
Cleveland, OH	117.5	175.8	235.3	254.2	276.3	285.9	296.4	309.1	315.6	319.5
Dallas-Ft. Worth, TX	114.8	172.5	235.8	257.7	278.3	289.2	300.0	314.2	322.1	334.1
Denver-Boulder, CO	(NA)	171.4	230.1	256.0	268.0	285.5	274.5	288.2	293.2	295.1
Detroit, MI	115.2	171.6	226.5	245.2	264.2	274.3	273.7	279.8	284.4	295.4
Honolulu, HI	114.1	178.7	239.8	259.9	285.8	298.8	308.7	319.7	332.2	338.0
Houston, TX	115.5	181.2	248.3	270.8	295.8	311.1	320.1	336.7	338.0	348.6
Kansas City, MO-KS	116.1	177.8	238.2	258.8	275.3	282.4	286.7	298.8	308.3	318.1
Los Angeles-Long Beach-Anaheim, CA	112.2	170.1	228.5	248.7	268.7	281.8	291.3	300.0	307.0	315.8
Miami, FL <sup>2</sup>	(NA)	(NA)	121.3	130.6	140.9	149.4	153.8	160.2	161.3	165.3
Milwaukee, WI	113.1	171.9	234.9	250.7	273.5	283.5	287.0	294.4	305.3	310.7
Minneapolis-St. Paul, MN-WI	118.5	178.9	244.4	264.8	280.4	291.6	300.1	313.8	321.0	329.1
New York, NY-Northeast, NJ	117.8	178.6	232.6	253.9	276.9	290.8	295.2	308.4	320.3	334.8
Northeast, PA	115.7	172.9	228.1	248.1	264.5	273.7	277.8	288.6	298.3	308.9
Philadelphia, PA-NJ	115.8	178.6	239.7	259.1	278.7	294.1	300.7	308.2	318.0	324.1
Pittsburgh, PA	115.8	177.4	233.5	254.5	274.1	285.9	294.8	293.8	297.0	305.1
Portland, OR-WA	110.9	168.4	233.6	250.3	269.9	284.2	291.8	302.5	309.9	316.8
St. Louis, MO-IL	115.4	174.3	234.7	252.3	270.9	281.2	286.7	298.7	308.1	317.9
San Diego, CA	113.8	173.7	238.0	257.8	276.6	291.1	308.6	322.8	329.4	341.6
San Francisco-Oakland, CA	112.5	171.2	233.1	250.4	268.5	288.2	292.7	308.8	312.8	323.2
Seattle-Everett, WA	113.5	188.8	225.4	243.2	263.7	283.4	287.8	292.2	298.9	307.1
Washington, DC-MD-VA	117.3	180.7	245.7	264.1	277.7	291.4	299.0	306.7	317.9	329.4

NA Not available. <sup>1</sup> 1970 and 1975 based on 56 areas; beginning 1979, 85 areas. Excludes Portland, Oregon through 1975.  
<sup>2</sup> November 1977 = 100.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

## NO. 751. WEEKLY FOOD COST FOR FAMILIES, BY TYPE OF FAMILY: 1975 TO 1987

[In dollars. As of December, except as indicated. Based on moderate-cost food plan; assumes all meals are eaten at home or taken from home]

URBAN FAMILY TYPE	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	
										Jan.	May
Couple, 20-54 years old <sup>1</sup>	37.10	47.50	52.00	53.40	54.80	54.70	56.50	58.30	60.40	61.30	62.40
Couple, 55 years and over <sup>1</sup>	32.40	41.80	45.80	47.10	48.10	52.00	53.90	55.70	57.80	58.70	59.88
Couple with children:											
1 child, 1-5 years old	44.80	57.30	62.80	64.70	66.00	66.90	68.20	71.30	73.90	75.00	76.39
1 child, 15-19 years old	53.50	68.00	74.80	76.80	78.50	77.80	80.50	83.00	85.80	87.10	88.78
2 children, 1-5 years old	51.80	65.90	72.80	74.70	76.20	77.80	80.50	82.90	85.80	87.10	88.78
2 children, 6-11 years old	63.00	79.90	88.10	90.70	92.80	93.50	97.10	99.80	103.20	104.70	106.89
2 children, 12-19 years old	67.20	85.20	93.80	96.50	98.60	98.00	101.80	104.60	108.20	109.80	111.80

<sup>1</sup> Beginning 1983, costs based on revised food plans with age groups 20-50 years old and 51 years old and over.Source: U.S. Dept. of Agriculture, Human Nutrition Information Service. 1975, *Food and Home Notes*, weekly; thereafter, *Home Features*, weekly.

## NO. 752. SELECTED AGRICULTURAL COMMODITY PRICES RECEIVED BY FARMERS: 1981 TO 1986

[Minus sign (-) indicates decrease]

COMMODITY	Unit	PRICE						PERCENT CHANGE				
		1981	1982	1983	1984	1985	1986	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986
American cheese	Cents per lb.	139.4	138.3	138.3	138.0	127.7	127.3	8	-	.2	-7.5	-3
Beef	Dol. per 100 lb.	58.80	58.70	55.50	57.30	53.70	52.80	3.2	-2.1	3.2	6.3	-2.0
Broilers	Cents per lb.	28.4	28.9	28.6	33.7	30.1	34.5	-5.3	5.3	17.8	-10.7	14.6
Calves	Dol. per 100 lb.	64.00	59.80	61.70	59.90	62.10	61.10	6.6	3.2	2.9	3.7	1.8
Eggs	Cents per doz.	63.1	59.5	61.1	72.3	67.1	61.8	5.7	2.7	18.3	-21.0	7.9
Hogs and pigs	Dol. per 100 lb.	43.90	52.30	46.80	47.10	44.00	49.30	19.1	10.5	6	-6.6	12.0
Rice, rough	Dol. per 100 lb.	8.05	8.11	8.78	8.06	6.62	3.93	-10.4	8.0	-8.0	-17.9	-40.6
Sheep and lambs	Dol. per 100 lb.	78.10	72.60	68.80	78.50	91.80	84.60	4.6	4.1	9.9	19.7	3.3
Turkeys	Cents per lb.	38.2	39.5	38.0	48.9	49.1	47.1	3.4	3.8	28.7	4	4.1
Wheat	Dol. per bu.	3.68	3.55	3.53	3.38	3.15	2.34	-3.0	.6	-4.2	-6.8	-25.7
Whole milk <sup>2</sup>	Cents per qt.	48.3	48.1	48.1	49.2	48.7	45.4	-4	6	1.7	1.0	-5

- Represents zero. <sup>1</sup> Marketing year average price. <sup>2</sup> Sold to consumers.Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 708); *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly. Also, *Meat Animals—Production, Disposition, and Income*, annual; and annual livestock summaries. *Milk Production, Disposition, and Income*, annual; and *Poultry—Production, Disposition, and Income*; and *Farmlands*.

## No. 753. SEAFOOD PRICES: 1970 TO 1984

Percent. Live weight. 1979-1984 data are preliminary. Based on prices received by fishermen and vessel owners. See also *Historical Statistics, Colonial Times to 1870*, series L 321-337]

SPECIES	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic sea scallop	13.1	24.2	25.4	29.3	27.3	33.0	36.2	33.9	37.9		
Atlantic sea scallop	15.3	34.9	50.5	47.2	42.4	57.9	56.7	54.0	60.5		
Atlantic sea scallop	25.8	32.8	31.9	42.8	36.7	39.4	49.5	50.8	71.5		
Broil	1.8	2.7	3.8	4.2	4.5	3.8	3.8	4.0	4.0		
Broil	4.9	10.3	17.1	21.0	23.0	28.3	27.4	26.6	28.8		
Chinook	55.4	65.8	133.8	173.5	186.3	182.5	182.3	127.3	173.1		
Coho	39.3	77.8	118.6	142.5	109.7	94.5	99.4	86.5	90.5		
Salmon	26.7	33.3	80.6	64.7	80.1	91.0	89.1	61.6	82.3		
Salmon											
Salmon	47.5	66.6	124.3	144.6	150.7	158.7	152.3	174.8	222.6		
US, hard	6.6	15.7	20.5	19.1	20.3	23.4	32.2	29.1	29.0		
American	94.7	161.5	177.1	180.3	189.7	208.6	221.8	233.1	252.2		
Eastern	81.1	80.1	110.7	125.8	131.3	129.2	129.5	144.3	211.4		
Japan	136.6	188.8	253.5	340.3	404.2	406.8	384.2	570.0	580.3		
Japan	47.6	107.0	130.6	185.4	149.0	152.4	206.2	216.2	173.2		

U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen*, H.S. No. 12 (C.F.S. No. 4657 *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## No. 754. MEDIAN PURCHASE PRICE OF EXISTING ONE-FAMILY HOUSES: 1960 TO 1986

Thousands of dollars, except percent. Represents SMSA unless specified; see Appendix II. Minus sign ( - ) indicates decrease]

METROPOLITAN AREA	PRICE							AVERAGE ANNUAL PERCENT CHANGE	
	1960	1961	1962	1963	1964	1965	1966	1960-1966	1966-1986
Albany, NY	81.8	88.3	98.0	97.5	96.3	106.7	119.8	5.5	12.3
Albany, NY	69.5	82.5	78.8	79.8	84.5	101.4	123.7	7.8	22.0
Albany-Lowell, MA-NH SCSA	70.5	77.5	77.5	91.0	102.5	127.3	153.4	12.8	20.5
Albany, IL-IN SCSA	78.0	80.9	87.8	92.8	90.7	98.7	113.3	4.8	14.8
Albany-Lorain, OH SCSA	83.8	73.4	75.1	73.3	73.2	73.8	84.4	3.0	14.4
Albany	85.7	82.8	78.8	77.7	72.7	76.4	85.1	3.8	7.2
Albany	88.4	107.4	97.2	104.5	109.2	124.1	130.5	6.8	5.2
Albany, CO	80.0	79.8	85.4	118.3	115.3	131.6	152.7	10.5	18.0
Albany, MI SCSA	87.9	77.3	85.0	73.8	75.3	78.4	82.0	2.8	4.8
Albany-Winston Salem-High Point, NC	83.6	84.5	70.1	74.6	70.6	82.4	88.7	5.3	7.8
Albany	119.3	117.8	129.1	135.0	138.7	150.8	161.8	4.8	7.3
Albany, TX SCSA	85.7	87.8	90.2	101.8	94.8	101.1	114.2	3.4	13.0
Albany, IL-IN	80.3	89.2	70.0	71.2	67.2	71.4	81.7	3.4	14.4
Albany, MO-KS	84.2	78.7	80.1	78.0	80.3	90.5	97.6	7.1	7.8
Albany-Long Beach-Anaheim, CA SCSA	110.7	116.2	122.3	133.4	132.0	142.8	150.1	5.2	9.2
Albany-IN	58.5	61.0	59.1	61.9	61.1	70.0	73.1	3.7	4.4
Albany-Lauderdale, FL SCSA	75.3	88.9	89.0	80.8	84.7	89.3	99.3	3.8	11.2
Albany-Racine, WI SCSA	84.9	79.4	85.7	80.8	82.2	83.7	88.8	3.3	5.9
Albany-St. Paul, MN-WI	80.9	89.5	95.8	95.3	103.4	115.4	132.8	7.4	15.2
Albany-Newark-Jersey City, NY-NJ-CT SCSA	83.8	87.1	102.7	114.8	126.5	139.4	158.0	8.3	13.3
Albany-Wilmington-Trenton, PA-DE-NJ-MD SCSA	82.6	86.3	85.0	71.7	75.9	81.4	97.7	5.4	20.0
Albany	92.7	103.8	81.3	97.2	101.4	116.6	130.3	4.7	11.7
Albany	64.6	58.2	68.8	68.0	67.7	72.5	81.9	2.3	13.0
Albany-WA	75.5	81.0	86.5	81.8	86.8	92.6	110.8	4.2	19.7
Albany-NY	57.5	59.5	67.8	72.1	73.8	84.2	91.3	7.8	8.4
Albany-ID-IL	58.5	71.8	63.9	71.0	73.2	75.7	81.4	6.0	7.5
Albany-Ogden, UT	73.2	84.4	86.5	78.0	92.2	92.9	120.9	4.9	30.1
Albany	105.7	107.4	118.0	124.6	122.9	141.7	148.9	6.0	5.1
Albany-Oakland-San Jose, CA SCSA	122.9	130.8	137.6	144.2	143.4	154.9	187.5	4.7	8.1
Albany-Orem, WA SCSA	82.2	88.9	94.8	98.1	97.8	102.7	123.5	4.8	20.3
Albany-Petersburg, FL	84.0	75.0	83.8	78.4	78.1	78.1	88.1	4.3	11.4
Albany-DC-MD-VA	100.1	112.3	128.4	130.0	131.7	152.6	158.5	8.8	2.6

Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.



# **No. 755. CONSUMER PRICE INDEXES OF RESIDENTIAL RENTS IN SELECTED SMSA'S: 1980 TO 1986**

[1987 = 100. Annual averages of monthly figures, except as indicated. Minus sign (-) indicates decrease. See Appendix III]

SMSA <sup>1</sup>	CONSUMER PRICE INDEX						PERCENT CHANGE					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
<b>Area pricing schedule 1:<sup>2</sup></b>												
Anchorage, AK (Oct. 1987 = 100)	158.3	208.8	230.3	248.8	245.5	237.4	-1.7	22.2	15.8	3.9	-1.2	-3.3
Baltimore, MD	173.8	204.8	221.5	234.8	248.7	264.8	8.3	9.0	8.3	6.0	5.8	6.4
Boston, MA	198.8	245.5	262.0	277.3	298.5	321.8	8.6	10.3	8.7	5.8	8.0	7.4
Cincinnati, OH-KY-IN	189.1	191.8	200.2	208.8	217.4	228.1	9.0	4.5	4.4	4.3	4.1	4.3
Denver-Boulder, CO	188.8	228.5	244.0	255.5	262.4	265.9	10.7	11.5	8.8	4.7	2.7	1.3
Miami, FL	124.2	150.0	155.7	158.8	160.3	163.6	13.7	6.3	3.8	7	2.2	2.1
Milwaukee, WI	179.6	208.8	221.0	231.1	243.6	254.8	8.5	8.4	5.8	4.6	5.4	4.8
Northeast, PA	220.7	238.1	251.7	260.2	275.3	285.1	8.5	3.8	5.7	3.4	5.8	3.8
Portland, OR-WA	202.6	222.5	227.1	231.7	241.9	251.0	7.5	2.5	2.1	2.0	4.4	3.8
St. Louis, MO-IL	185.8	191.8	202.4	213.3	225.7	237.3	11.1	7.0	5.5	5.4	5.8	5.1
San Diego, CA	225.3	263.5	286.4	313.6	347.4	374.0	9.6	8.3	8.7	9.5	10.8	7.7
Seattle-Everett, WA	228.1	245.2	247.6	254.8	285.9	278.3	15.9	2.3	1.0	2.9	4.4	4.7
Washington, DC-MD-VA	197.2	233.8	251.2	268.3	287.6	305.1	8.8	8.5	7.4	8.0	8.0	8.1
<b>Area pricing schedule 2:<sup>3</sup></b>												
Atlanta, GA	188.2	189.9	214.2	228.4	245.0	262.1	10.4	6.1	7.2	6.7	8.2	7.0
Buffalo, NY	177.2	195.6	208.5	218.0	228.8	239.8	4.7	5.8	5.8	4.8	5.9	4.8
Cleveland, OH	170.9	180.5	199.8	207.7	218.8	229.4	7.8	6.0	4.8	4.0	5.2	4.8
Dallas-Fort Worth, TX	191.2	228.6	247.7	259.8	270.7	280.0	10.8	8.3	8.4	4.8	4.2	3.4
Honolulu, HI	208.1	240.7	253.0	268.0	281.9	297.3	10.0	7.1	5.1	8.3	4.8	5.3
Houston, TX	182.8	223.8	230.4	225.5	220.5	218.5	8.2	12.5	3.0	-2.1	-2.2	-5
Kansas City, MO-KS	180.3	187.2	199.2	212.7	226.9	235.4	7.4	7.8	8.4	6.8	6.7	3.7
Minneapolis-St. Paul, MN-WI	195.2	231.1	244.5	254.4	270.9	284.1	11.0	7.8	6.8	4.0	6.5	4.9
Pittsburgh, PA	185.3	211.8	223.8	231.0	243.4	257.2	6.6	6.8	5.7	3.3	5.4	5.7
San Francisco-Oakland, CA	214.3	258.8	284.4	306.3	333.3	361.1	12.6	8.8	9.9	8.4	8.1	8.3

<sup>1</sup> See headline, table 741 and text, section 15.

<sup>2</sup> Collected in odd months.

<sup>3</sup> Collected in even months.

# **No. 756. CONSUMER PRICE INDEXES OF FUELS AND UTILITIES: 1970 TO 1986**

[1987 = 100. Represents all urban consumers. Annual averages for cities combined. See text, section 15. See also *Historical Statistics, Colonial Times to 1970*, series E 203-211]

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
Consumer price index, all items	118.3	161.2	186.4	217.4	248.8	272.4	298.1	298.4	311.1	322.2	338.4
Fuels and other utilities	107.8	167.8	218.0	238.3	278.6	319.2	350.8	370.3	387.3	393.8	384.7
Gas (piped) and electricity	107.3	168.8	232.6	257.8	301.8	345.9	383.8	428.7	445.2	452.7	448.7
Utility (piped) gas	108.5	172.5	263.1	305.3	383.9	414.9	497.2	580.1	584.4	580.4	552.0
Gasoline, regular and premium	105.6	170.8	196.3	265.6	368.1	410.9	389.3	378.3	370.2	373.3	291.4
Electricity (composite)	108.2	167.0	203.4	218.1	253.4	291.5	320.3	330.6	351.9	364.1	388.9
Fuel oil, coal, and bottled gas	110.1	235.3	298.3	403.1	556.0	675.9	867.9	828.0	841.8	819.5	501.5
Fuel oil No. 2	109.3	230.6	296.9	416.8	579.7	709.2	883.9	837.7	851.0	825.0	488.6
Telephone services, residential	102.6	125.3	132.8	132.4	135.7	147.7	162.8	173.3	187.8	195.1	204.8
Water and sewer service, residential	120.4	169.9	232.6	243.3	258.9	290.9	325.5	352.8	375.8	388.3	419.8

Source of tables 755 and 756: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

# **No. 757. AVERAGE PRICE OF RESIDENTIAL UTILITY (PIPED) GAS, ELECTRICITY, AND FUEL OIL NO. 2 IN SELECTED AREAS: 1985 AND 1986**

[In dollars per unit shown. One therm contains approximately 100 cubic feet of natural gas. As of January. See Appendix III]

STANDARD METROPOLITAN STATISTICAL AREA	UTILITY (PIPED) GAS (100 therms)		ELECTRICITY (500 kWh)		FUEL OIL No. 2 (gallon)		STANDARD METROPOLITAN STATISTICAL AREA	UTILITY (PIPED) GAS (100 therms)		ELECTRICITY (500 kWh)		FUEL OIL No. 2 (gallon)	
	1985	1986	1985	1986	1985	1986		1985	1986	1985	1986	1985	1986
<b>U.S. city average<sup>1</sup></b>	<b>61.88</b>	<b>58.79</b>	<b>40.12</b>	<b>48.86</b>	<b>1.078</b>	<b>.936</b>	<b>LA, Long Beach-Anaheim</b>	<b>64.85</b>	<b>65.72</b>	<b>40.08</b>	<b>43.17</b>	<b>(NA)</b>	<b>(NA)</b>
Anchorage	31.51	34.90	38.11	38.29	1.115	.954	Miami	67.88	58.73	48.07	45.43	(NA)	(NA)
Atlanta	63.67	63.68	34.59	36.17	1.094	.759	Milwaukee	67.08	64.08	37.09	37.79	.997	.821
Baltimore	65.40	65.10	41.88	41.80	1.082	.874	Minn.-St. Paul	58.28	53.33	34.32	36.32	1.056	.828
Boston	74.66	70.87	42.38	43.28	1.120	.831	New York	61.23	79.01	64.85	63.85	1.127	.886
Buffalo	64.49	61.65	38.89	41.80	1.017	.880	Northeast PA	71.94	68.78	41.88	44.84	1.006	.787
Chicago	54.22	48.45	50.92	52.82	1.132	.885	Philadelphia	73.89	70.84	48.78	52.12	1.082	.889
Cincinnati	58.45	58.16	37.49	37.36	1.052	.807	Pittsburgh	61.58	60.06	40.87	42.36	.972	.730
Cleveland	52.67	51.11	46.10	49.78	1.089	.884	Portland, OR	65.79	62.43	24.08	24.54	1.007	.708
Dallas <sup>2</sup>	49.77	45.48	41.75	38.81	(NA)	(NA)	St. Louis	60.56	53.94	38.50	41.30	1.029	.737
Denver-Boulder	54.25	51.22	41.06	39.84	(NA)	(NA)	San Diego	69.87	64.88	64.41	59.83	(NA)	(NA)
Detroit	63.67	58.20	41.79	45.85	1.090	.925	San Francisco-Oakland	60.01	35.05	40.67	39.83	(NA)	(NA)
Honolulu <sup>3</sup>	148.84	129.81	42.85	42.85	(NA)	(NA)	Seattle-Everett	65.88	57.08	21.18	18.82	1.143	.858
Houston	49.39	42.17	42.33	38.24	(NA)	(NA)	Wash., DC	73.90	71.05	36.50	38.82	1.148	.808
Kansas City	45.73	41.73	36.72	36.32	(NA)	(NA)							

NA Not available. <sup>1</sup> Excludes Honolulu. <sup>2</sup> Includes Ft. Worth. <sup>3</sup> Prices are for synthetic natural gas and propane only.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, monthly.

### NO. 758. AVERAGE MONTHLY RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL BILLS FOR ELECTRICITY: 1960 TO 1986

[In dollars. As of January 1. Represents composite averages, derived using census data; for 1960 data, the 1970 census was used; thereafter, 1980 Census was used. Residential, for cities of 2,500 or more population; commercial and industrial, for 486 large cities in United States and Puerto Rico. kW=Kilowatts; kWh=Kilowatt-hours. See source for coverage detail.]

ITEM	1960	1964	1966	1968, pref.	ITEM	1960	1964	1966	1968, pref.
<b>RESIDENTIAL</b>					<b>COMMERCIAL—Cont.</b>				
Average bill, dollars:					Average bill, cents per kWh:				
300 kWh	27.80	40.18	41.86	42.54	6 kW, 750 kWh	7.5	10.0	10.7	10.5
750 kWh	38.84	54.78	57.88	58.79	12 kW, 1,500 kWh	7.8	10.3	10.9	10.8
1,000 kWh	46.79	72.77	76.37	77.80	30 kW, 8,000 kWh	8.4	8.9	9.6	9.4
Average bill, cents per kWh:					40 kW, 10,000 kWh	5.9	8.3	8.8	8.7
300 kWh	5.6	8.9	8.4	8.6	<b>INDUSTRIAL</b>				
750 kWh	5.1	7.3	7.7	7.8	Average bill, dollars:				
1,000 kWh	4.8	7.3	7.6	7.8	150 kW, 30,000 kWh	1,757	2,500	2,732	2,858
<b>COMMERCIAL</b>					300 kW, 80,000 kWh	3,431	4,891	5,359	5,208
Average bill, dollars:					1,000 kW, 200,000 kWh	10,910	15,789	17,012	18,852
6 kW, 750 kWh	57	75	88	78	Average bill, cents per kWh:				
12 kW, 1,500 kWh	111	154	189	183	150 kW, 30,000 kWh	5.9	8.3	9.1	8.9
30 kW, 8,000 kWh	534	578	561		300 kW, 80,000 kWh	5.7	8.2	8.9	8.7
40 kW, 10,000 kWh	825	883	888		1,000 kW, 200,000 kWh	5.5	7.9	8.5	8.3

### NO. 759. NET MONTHLY RESIDENTIAL ELECTRIC BILLS (RANGE OF LOWEST TO HIGHEST) FOR 750 KILOWATT-HOURS USE, 1970 TO 1986, AND BY STATE, 1986

[In dollars. Based on rates as of January 1 for communities of 2,500 inhabitants or more. Beginning 1980, bill does not include water heating usage. For composition of regions, see fig. 1, inside front cover.]

YEAR, REGION, DIVISION, AND STATE	Lowest bill	Highest bill	DIVISION AND STATE	Lowest bill	Highest bill	DIVISION AND STATE	Lowest bill	Highest bill
1970	5.83	34.00	<b>E. So. Cent.:</b>			<b>E. So. Cent.:</b>		
1975	6.75	59.09	OH	32.07	71.88	KY	33.24	59.88
1979	7.02	78.28	IN	35.88	80.03	TN	33.91	41.38
1980	7.82	82.79	IL	39.50	75.30	AL	34.84	56.88
1981	8.73	105.86	MI	27.50	71.85	MS	36.51	53.25
1982	8.25	119.53	WI	30.73	52.22	<b>W. So. Cent.:</b>		
1983	8.25	119.53	<b>W. Mo. Cent.:</b>			AR	30.45	81.37
1984	8.25	117.03	MN	22.88	58.38	LA	31.25	86.02
1985	13.75	115.15	IA	28.25	86.18	OK	33.78	78.72
1986, U.S.	13.36	117.22	MO	25.73	64.82	TX	24.48	79.54
Region:			ND	29.10	51.84	<b>MR.:</b>		
Northeast	13.85	117.22	SD	23.83	70.15	MT	29.25	58.48
Midwest	22.88	83.03	NE	29.45	56.15	ID	27.80	41.43
South	24.48	86.02	KS	33.26	83.03	WY	30.00	50.61
West	13.35	109.56	<b>So. Atl.:</b>			CO	23.75	64.88
Div. Eng.:			DE	50.56	73.62	NM	44.84	72.48
ME	42.86	88.08	MD	41.76	88.86	AZ	28.35	83.82
NH	51.99	87.43	DC	42.86	42.86	UT	24.46	67.81
VT	41.30	88.96	VA	38.04	57.50	NV	23.75	66.91
MA	40.50	83.88	WV	37.79	54.17	<b>Pac.:</b>		
RI	80.25	73.41	NC	43.81	71.54	WA	13.35	40.83
CT	59.62	77.27	SC	40.45	68.35	OR	17.75	38.93
Mid. Atl.:			GA	29.00	64.75	CA	31.35	74.98
NY	13.65	117.22	FL	39.45	87.27	AK	23.70	75.70
NJ	54.12	87.03				HI	75.18	108.58
PA	25.50	78.88						

Source of tables 758 and 759: Through 1975, U.S. Federal Power Commission, *Typical Electric Bills*, annual, thereafter, U.S. Energy Information Administration, *Typical Electric Bills* and unpublished data.

### NO. 760. AVERAGE PRICES OF SELECTED FUELS AND ELECTRICITY: 1973 TO 1986

[In dollars per unit, except electricity, in cents per kWh. Represents price to end-users, except as noted.]

ITEM	Unit <sup>1</sup>	1973	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
Crude oil, composite <sup>2</sup>	Barrel	4.15	10.36	12.48	17.72	28.07	35.24	31.87	28.69	28.63	28.75	14.55
Motor gasoline:												
Leaded regular	Gallon	.39	.57	.63	.86	1.19	1.31	1.22	1.16	1.13	1.12	.88
Unleaded regular	Gallon	(NA)	(NA)	.67	.90	1.25	1.38	1.30	1.24	1.21	1.20	.89
Unleaded premium	Gallon	(NA)	(NA)	.80	(NA)	(NA)	1.47	1.42	1.36	1.37	1.34	1.09
No. 2 heating oil	Gallon	(NA)	(NA)	.40	.52	.79	.91	.91	.92	.92	.85	.56
No. 2 diesel fuel	Gallon	(NA)	(NA)	.38	.50	.82	1.00	.84	.83	.82	.79	.48
Residual fuel oil	Gallon	(NA)	(NA)	.30	.44	.81	.78	.88	.85	.80	.81	.34
Natural gas, residential	1,000 cu. ft.	1.29	1.71	2.58	2.98	3.86	4.28	5.17	6.06	6.12	6.12	5.82
Electricity, residential	kWh	2.54	3.51	4.31	4.84	5.36	6.20	6.89	7.18	7.54	7.79	7.41

NA Not available. <sup>1</sup> See heading. <sup>2</sup> Refiner acquisition cost. <sup>3</sup> Average, all service.

Source: U.S. Energy Information Administration, *Monthly Energy Review*.

NO. 761. SALES PRICE OF MOTOR GASOLINE, BY GRADE, AND STATE: 1986 AND 1987

[In cents per gallon. As of March. Represents all refinery and gas plant operators' sales through company-operated retail outlets. Gasoline prices exclude excise taxes]

STATE	Gasoline excise taxes 1983 <sup>1</sup>	TOTAL		LEADED REGULAR		UNLEADED REGULAR		PREMIUM	
		1983	1987	1983	1987	1986	1987	1986	1987
United States.....	(x)	66.6	64.0	61.3	60.4	66.6	62.7	77.9	74.6
Alabama.....	<sup>a</sup> 13.0	66.7	66.2	62.9	60.6	70.3	66.9	(NA)	75.3
Alaska.....	8.0	116.6	85.3	116.7	69.0	116.5	82.3	(D)	91.3
Arizona.....	16.0	75.8	72.4	69.8	66.3	77.5	72.2	93.3	84.0
Arkansas.....	13.5	62.4	60.2	59.5	56.9	63.6	60.6	71.2	69.3
California.....	<sup>a</sup> 9.0	70.6	66.8	63.2	63.5	71.2	67.5	86.6	81.5
Colorado.....	18.0	56.6	62.2	54.6	57.5	60.6	63.6	66.5	72.4
Connecticut.....	17.0	62.5	66.6	70.5	61.5	62.1	65.9	91.7	77.0
Delaware.....	11.0	67.3	84.6	62.5	60.2	65.0	62.2	80.2	73.4
District of Columbia.....	15.5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Florida.....	<sup>a</sup> 9.6	71.9	62.5	63.5	56.6	71.7	61.0	84.0	74.6
Georgia.....	7.5	67.8	84.2	59.8	56.2	67.5	62.3	79.9	76.9
Hawaii.....	<sup>a</sup> 11.0	84.5	83.6	56.2	74.4	97.3	66.0	107.2	(D)
Idaho.....	14.5	70.0	62.6	66.8	60.9	70.7	62.6	94.9	80.7
Illinois.....	<sup>a</sup> 13.0	63.9	66.1	58.8	67.4	63.5	62.7	66.6	75.2
Indiana.....	14.0	57.6	61.7	54.8	56.9	57.2	61.4	62.6	66.6
Iowa.....	16.0	61.5	63.9	60.1	61.9	61.9	64.9	66.1	67.3
Kansas.....	11.0	62.2	62.7	61.4	60.6	61.4	62.7	65.9	69.2
Kentucky.....	15.0	63.0	63.4	56.6	59.0	64.3	62.2	72.4	73.2
Louisiana.....	16.0	69.4	61.3	62.1	56.3	66.6	59.3	80.5	70.3
Maine.....	14.0	79.1	71.4	75.0	66.5	76.5	69.8	69.7	61.4
Maryland.....	13.5	72.3	63.8	67.8	59.4	71.0	61.5	82.7	72.5
Massachusetts.....	11.0	79.1	(NA)	71.7	(NA)	77.1	(NA)	90.1	(NA)
Michigan.....	15.0	62.0	59.9	57.8	57.6	62.3	58.9	71.7	70.6
Minnesota.....	17.0	67.3	63.6	64.0	61.2	69.8	64.1	72.4	66.6
Mississippi.....	<sup>a</sup> 9.0	66.0	67.1	62.9	62.5	66.8	67.5	79.0	75.0
Missouri.....	7.0	59.7	62.7	57.1	59.8	60.4	62.3	71.2	72.0
Montana.....	17.0	63.1	61.9	63.2	61.3	62.7	62.1	84.4	64.6
Nebraska.....	19.0	62.5	67.6	60.8	67.9	63.4	67.3	65.4	69.1
Nevada.....	<sup>a</sup> 11.25	73.4	61.4	66.6	57.8	75.7	62.1	67.1	71.4
New Hampshire.....	14.0	60.0	(NA)	73.8	(NA)	79.0	(NA)	69.8	79.5
New Jersey.....	8.0	77.6	67.3	70.1	59.4	74.4	62.3	66.0	79.5
New Mexico.....	11.0	74.4	64.6	72.9	61.0	74.7	66.3	87.3	74.4
New York.....	<sup>a</sup> 8.0	73.3	65.9	66.8	61.9	72.1	63.5	65.7	76.0
North Carolina.....	15.5	64.6	84.4	57.1	57.9	84.3	62.9	77.8	74.8
North Dakota.....	13.0	70.9	66.6	73.7	65.8	70.7	67.1	64.6	70.0
Ohio.....	12.0	62.3	65.7	56.3	60.7	61.5	63.6	77.8	76.6
Oklahoma.....	10.0	54.3	61.2	52.0	56.3	54.6	60.8	60.9	66.0
Oregon.....	<sup>a</sup> 11.0	71.6	60.1	66.4	57.6	73.4	60.3	84.2	72.4
Pennsylvania.....	12.0	66.3	62.6	64.7	56.2	65.7	59.9	79.7	74.7
Rhode Island.....	13.0	74.9	66.1	66.8	61.0	72.5	64.6	62.1	74.6
South Carolina.....	13.0	60.6	62.9	54.6	57.5	60.9	62.4	71.8	72.9
South Dakota.....	<sup>a</sup> 13.0	69.8	63.5	66.4	63.8	70.8	62.9	77.2	74.6
Tennessee.....	<sup>a</sup> 17.0	64.3	61.7	57.5	56.2	65.5	60.6	76.3	72.4
Texas.....	10.0	66.7	62.0	62.6	58.0	67.9	60.5	81.6	72.1
Utah.....	14.0	56.8	61.7	57.5	56.7	59.3	62.1	65.7	70.4
Vermont.....	13.0	79.7	73.6	73.3	67.0	79.8	72.1	90.2	64.1
Virginia.....	<sup>a</sup> 15.0	75.1	65.3	67.3	56.9	75.4	62.7	66.1	76.6
Washington.....	18.0	67.3	61.4	61.9	57.7	69.3	61.1	80.9	73.3
West Virginia.....	10.5	70.1	66.5	65.1	63.7	69.9	67.3	83.0	76.1
Wisconsin.....	17.5	62.0	62.2	60.6	60.3	61.9	61.6	71.3	70.6
Wyoming.....	8.0	75.1	66.1	70.8	65.0	70.8	65.4	(D)	79.0

D Withheld to avoid disclosure of data. NA Not available. X Not applicable. <sup>1</sup> Source: U.S. Advisory Committee on Intergovernmental Relations, *Significant Features of Fiscal Federalism, 1986-87 Edition*, based on CCH, *State Tax Reporter*.  
<sup>a</sup> Plus local taxes, if any.

Source: Except as noted, U.S. Energy Information Administration, *Petroleum Marketing Monthly*.



## Section 16

# Banking, Finance and Insurance

This section presents data on the Nation's finances, various types of financial institutions, money and credit, securities, and insurance. The primary sources of these data are publications of several departments of the Federal Government, especially the Treasury Department, and independent agencies such as the Federal Deposit Insurance Corporation, the Federal Reserve System, and the Securities and Exchange Commission. National data on insurance are available primarily from private organizations, such as the American Council of Life Insurance.

**Flow of funds.**—The flow of funds accounts of the Federal Reserve System (see tables 705 to 750) bring together statistics on all of the major forms of financial transactions and financial claims to present an economy-wide view of asset and liability relationships. In flow form, the accounts relate borrowing and lending to one another and to the nonfinancial activities that generate income and production. Each claim outstanding is included simultaneously as an asset of the lender and as a liability of the debtor. The accounts also indicate the balance between asset totals and liability totals over the economy as a whole. Several publications of the Board of Governors of the Federal Reserve System contain information on the flow of funds accounts: Summary data on flows, in the *Federal Reserve Bulletin*, *Flow of Funds Accounts* (quarterly), and *Annual Statistical Digest*; and concepts and organization of the accounts, in *Introduction to Flow of Funds* (June 1980).

**Banking system.**—Banks in this country are organized under the laws of both the States and the Federal Government and are regulated by several bank supervisory agencies. State-chartered banks are supervised by officials of the respective States. National banks are supervised by the Comptroller of the Currency. *Reports of Condition* have been collected from national banks since 1863. Summaries of these reports are published in the Comptroller's *Annual Report*, which also presents data on the structure of the national banking system.

The Federal Reserve System was established in 1913 to exercise central banking functions, some of which are shared with the U.S. Treasury. It includes national banks and such State banks as voluntarily join the System. Statements of State bank members are consolidated by the Board of Governors of the Federal Reserve System with data for national banks collected by the Comptroller of the Currency into totals for all member banks of the System. Balance sheet data for member banks and other commercial banks are published quarterly in the *Federal Reserve Bulletin*.

The Federal Deposit Insurance Corporation (FDIC), established in 1933, insures each depositor up to \$100,000 currently in banks that are members of the Federal Reserve System and in such nonmember banks as join the insurance fund. Major item balance sheets for all commercial banks are published monthly in the *Federal Reserve Bulletin*.

**Savings institutions and other credit agencies.**—Savings institutions, insurance companies, finance companies dealing primarily in installment sales financing, credit unions, and personal loan companies represent important sources of funds for the credit market. Savings institutions are primarily involved in credit extension in the form of mortgage loans. Statistics on savings institutions are collected by the Federal Home Loan Bank Board. Statistics on loans, investments, cash, etc., of life insurance companies are published principally by the American Council of Life Insurance in its *Life Insurance Fact Book*. Consumer credit data are published currently in the *Federal Reserve Bulletin*.

Federally chartered credit unions are under the supervision of the National Credit Union Administration, established in 1970. State-chartered credit unions are supervised by the respective State supervisory authorities. The Administration publishes comprehensive program and statistical information on all Federal and federally insured State credit unions in the *Annual Report of the National Credit Union Administration*. Deposit insurance (up to \$100,000 per account) is provided to members of all Federal and those State credit unions that are federally-insured by the National Credit Union Share Insurance Fund which was established in 1970. Deposit insurance for State chartered

credit unions is also available in some States under private or State-administered insurance programs.

Government corporations and credit agencies make available credit of specified types or to specified groups of private borrowers, either by lending directly or by insuring or guaranteeing loans made by private lending institutions. Data on operations of Government credit agencies, along with other Government corporations, are available in reports of individual agencies; data on their debt outstanding are published in the *Federal Reserve Bulletin*.

Currency.—Currency, including coin and paper money, represents more than one-fourth of all media of exchange in the United States, with most payments made by check. All currency is now issued by the Federal Reserve Banks.

Securities.—The Securities and Exchange Commission (SEC) was established in 1934 to protect the interests of the public and investors against malpractices in the securities and financial markets and to provide the fullest possible disclosure of information regarding securities to the investing public.

Insurance.—Insuring companies, which are regulated by the various States or the District of Columbia, are classified as either life or property. Companies that underwrite accident and health insurance only and those that underwrite accident and health insurance in addition to one or more property lines are included with property insurance. Insuring companies, other than those classified as life, are permitted to underwrite one or more property lines provided they are so licensed and have the necessary capital or surplus.

There are a number of published sources for statistics on the various classes of insurance—life, health, fire, marine, and casualty. Individual States collect data on all insurers operating within their respective jurisdictions, and many of the States publish an annual insurance report giving individual company data and aggregates of certain items for the companies operating within the State. Organizations representing certain classes of insurers publish reports for these classes. Among them are the annual commercial publishers, such as The National Underwriter Company whose *Argus Health Chart* (annual) contains financial and operating data for individual health and accident insurance companies, including Blue Cross and Blue Shield Plans. The American Council of Life Insurance publishes statistics on life insurance purchases, ownership, benefit payments, and assets in its annual *Life Insurance Fact Book*.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

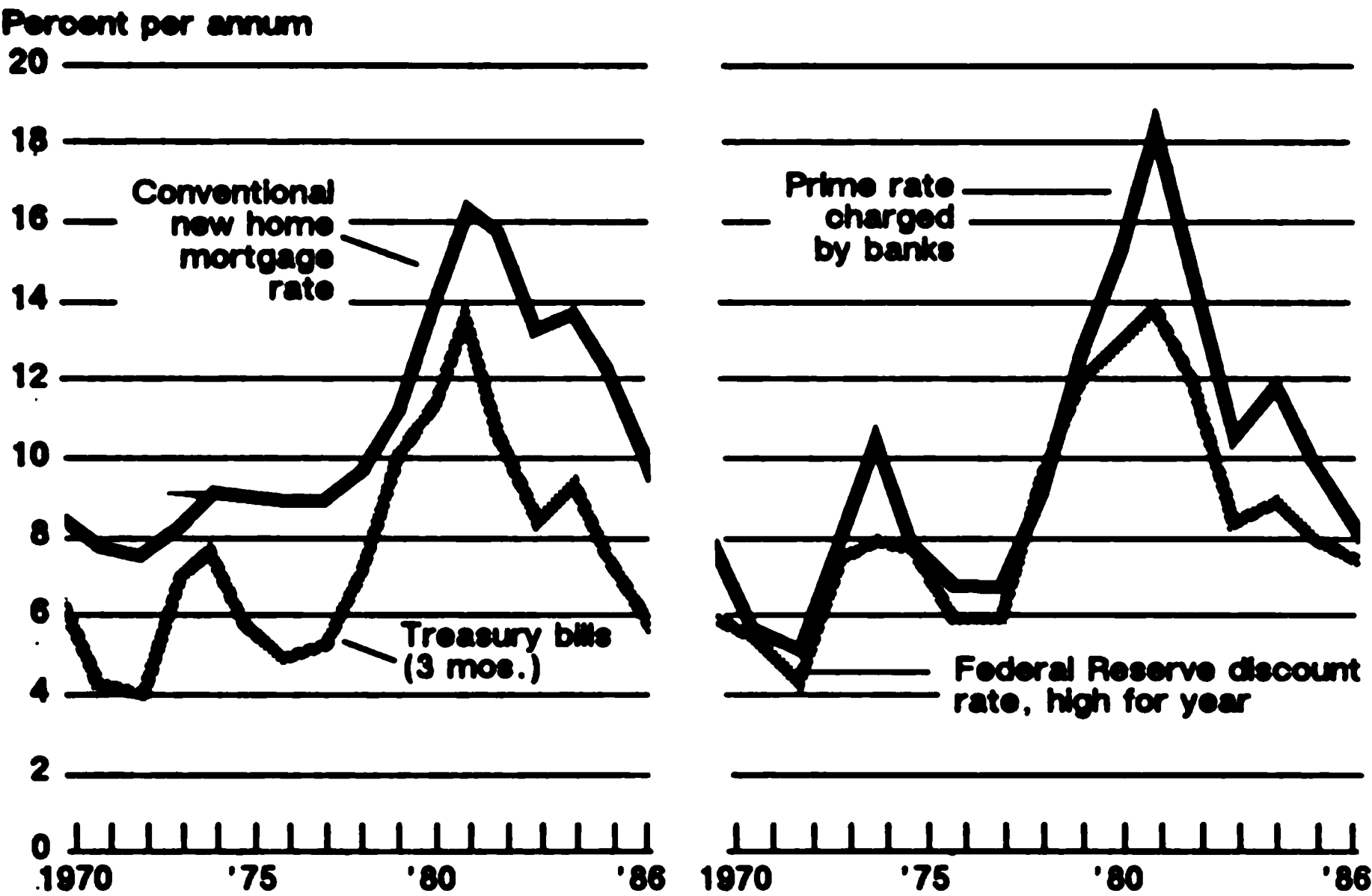
No. 762. GROSS NATIONAL PRODUCT IN FINANCE, INSURANCE, AND REAL ESTATE IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1986

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1970	1983	1981	1982	1985	1984	1986	1986
CURRENT DOLLARS										
Finance, insurance, real estate, total ....	145.8	221.7	383.3	400.6	449.3	475.1	536.4	572.8	622.8	695.9
Percent of gross national product.....	14.4	13.9	14.5	14.7	14.7	15.0	15.8	15.2	15.5	16.4
Banking .....	18.4	25.8	45.8	51.1	54.4	59.8	68.1	70.8	68.9	69.0
Credit agencies other than banks .....	1.7	3.3	7.2	5.5	6.5	5.4	10.6	9.8	12.5	14.6
Security and commodity brokers, and serv- ices.....	3.3	5.0	7.7	9.7	11.4	13.1	20.7	19.7	25.1	32.9
Insurance carriers .....	11.6	17.2	34.0	37.0	34.7	29.8	36.5	34.9	38.8	53.6
Insurance agents and brokers, and services.....	4.8	7.8	12.9	14.4	15.5	17.0	17.6	20.1	22.5	25.7
Real estate .....	105.4	161.8	254.7	281.5	318.7	342.7	374.2	409.1	441.3	483.2
Holding and other investment companies.....	.6	.7	.9	1.3	8.1	7.2	8.7	8.5	13.6	15.8
CONSTANT (1982) DOLLARS										
Finance, insurance, real estate, total.....	220.7	987.8	489.2	484.3	474.2	475.1	400.6	896.6	622.8	681.3
Percent of gross national product.....	13.3	14.4	14.4	14.6	14.6	15.0	14.9	14.5	14.5	14.8
Banking .....	38.2	46.4	54.2	56.7	56.8	59.8	80.5	81.0	61.9	63.0
Credit agencies other than banks .....	3.4	4.1	5.1	5.2	5.4	5.4	6.0	6.6	7.0	7.7
Security and commodity brokers, and serv- ices.....	9.1	7.9	9.4	10.7	12.1	13.1	14.9	16.1	16.6	18.6
Insurance carriers .....	21.3	25.3	28.6	28.6	28.9	29.8	30.1	31.5	33.6	37.7
Insurance agents and brokers, and services.....	13.7	16.0	17.9	17.3	17.1	17.0	17.4	17.8	18.6	21.6
Real estate .....	232.2	283.4	337.8	339.6	345.3	342.7	352.7	385.3	375.6	399.1
Holding and other investment companies.....	2.8	4.5	6.2	8.3	6.5	7.2	7.4	8.2	6.6	9.7

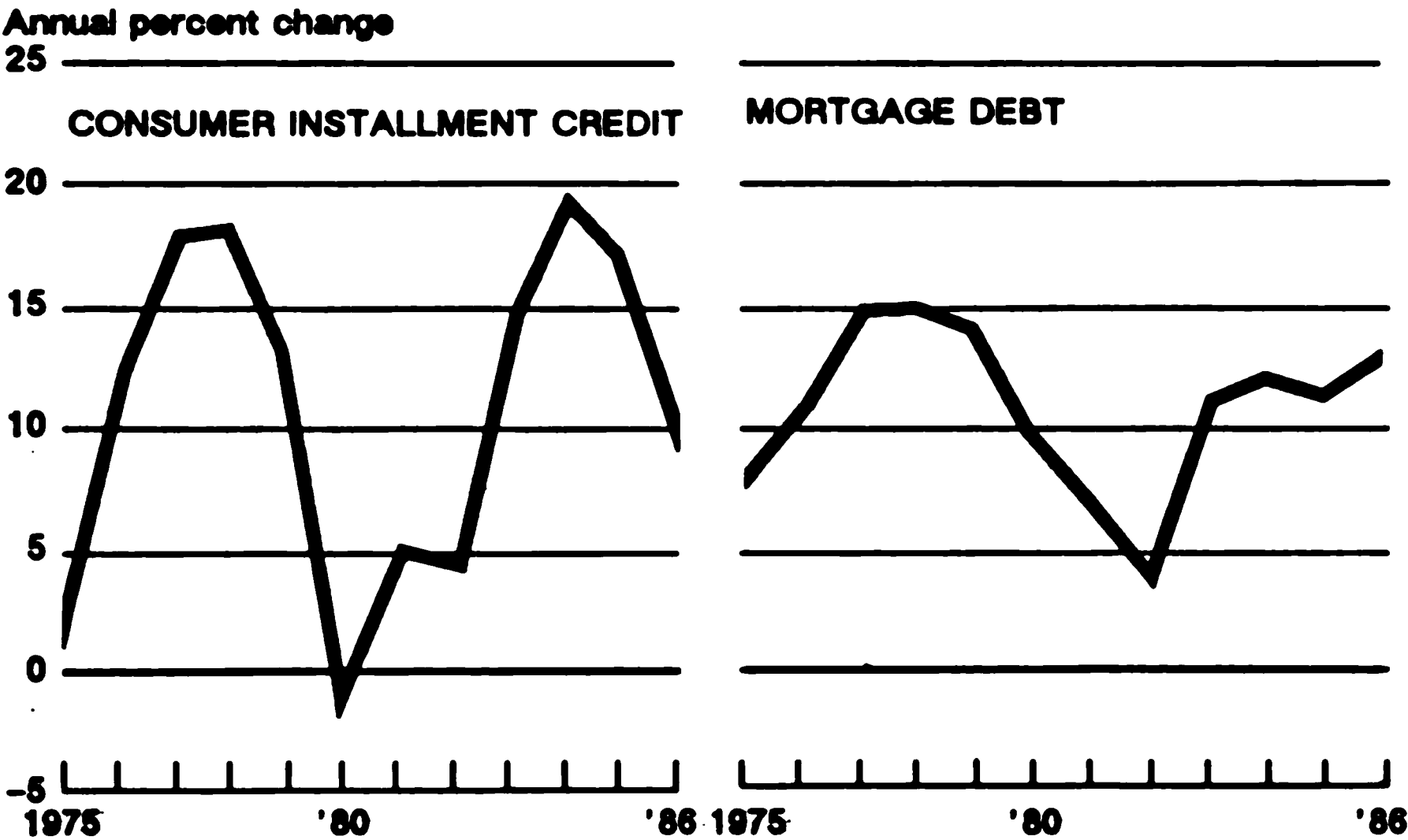
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

Figure 16.1  
Interest Rates: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 803 and 805.

Figure 16.2  
Consumer Installment Credit Outstanding and Mortgage Debt Outstanding—Annual Percent Changes: 1975 to 1986



Note: Represents change in amounts outstanding.  
Source: Chart prepared by U.S. Bureau of the Census. For data see tables 783 and 789.



## No. 763. PERSONS WORKING IN FINANCE, INSURANCE, AND REAL ESTATE INDUSTRIES: 1970 TO 1986

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to their unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Finance, insurance, real estate, total	3,749	4,495	5,395	5,491	5,822	6,725	6,395	6,137	6,393	6,644
Banking	1,010	1,225	1,430	1,497	1,554	1,580	1,588	1,600	1,625	1,653
Credit agencies other than banks	360	429	533	546	563	564	620	666	734	807
Security and commodity brokers, and services	219	192	228	259	292	317	360	390	409	448
Insurance carriers	896	1,053	1,199	1,225	1,238	1,238	1,238	1,249	1,276	1,338
Insurance agents and brokers, and services	355	440	539	553	598	623	628	665	698	719
Real estate	777	967	1,263	1,286	1,259	1,273	1,344	1,407	1,470	1,503
Holding and other investment companies	82	82	114	116	120	132	135	150	163	177

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

## No. 764. FINANCE, INSURANCE, AND REAL ESTATE—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1980 TO 1985

[Exclude government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC code	INDUSTRY	ESTABLISHMENTS			EMPLOYEES (1,000)			Payroll, 1985 (\$ mil.)
		1980	1984	1985	1980	1984	1985	
60	Finance, insurance, real estate	430,979	477,788	467,780	5,378	5,783	6,584	131.7
601	Banking <sup>1</sup>	40,184	51,358	52,215	1,497	1,588	1,588	30.4
6011	Federal reserve banks	50	82	86	21	24	24	.8
602	Commercial and stock savings banks	41,908	46,372	47,174	1,360	1,432	1,451	27.8
603	Mutual savings banks	2,223	2,433	2,478	88	88	(D)	(D)
606	Functions closely related to banking	1,630	2,165	2,177	28	39	(D)	(D)
61	Credit agencies other than banks <sup>2</sup>	60,339	60,372	61,145	588	700	743	15.0
612	Savings and loan associations	15,065	17,486	17,788	235	302	322	5.7
613	Agricultural credit institutions	1,380	1,321	1,305	18	19	18	.4
614	Personal credit institutions	36,133	30,481	29,823	218	212	217	4.1
615	Business credit institutions	2,416	2,979	2,933	50	65	73	1.9
618	Mortgage bankers and brokers	4,852	7,352	6,419	63	66	105	2.7
62	Security, commodity brokers and services <sup>2</sup>	11,279	17,547	16,843	215	322	338	16.2
621	Security brokers and dealers	7,611	10,936	11,703	174	285	289	12.7
622	Commodity contracts brokers, dealers	893	1,111	1,020	9	15	14	.4
623	Security and commodity exchanges	110	138	124	6	7	7	.2
628	Security and commodity services	2,463	4,765	5,146	24	43	45	1.8
63	Insurance carriers <sup>2</sup>	33,167	37,391	34,830	1,234	1,241	1,253	28.9
631	Life insurance	15,815	15,522	14,671	563	581	585	13.0
632	Medical service and health insurance <sup>2</sup>	1,678	1,735	1,917	125	129	145	3.2
6321	Accident and health insurance	845	947	1,093	27	28	35	.7
6324	Hospital and medical service plans	725	789	815	97	100	109	2.4
633	Fire, marine, and casualty insurance	9,236	10,278	10,625	449	451	453	10.9
635	Surety insurance	450	527	485	8	9	9	.2
636	Title insurance	2,714	2,657	2,721	51	48	(D)	(D)
637	Pension, health, and welfare funds	3,157	6,013	3,180	33	37	22	.3
64	Insurance agents, brokers and services	76,833	94,530	95,262	463	523	553	12.0
65	Real estate <sup>2</sup>	189,952	189,446	189,480	989	1,051	1,145	18.4
651	Real estate operators and lessors	94,750	96,901	96,813	482	453	470	6.5
653	Real estate agents and managers	50,998	65,116	69,048	362	446	462	9.5
654	Title abstract offices	2,805	2,989	3,019	21	21	21	.4
655	Subdividers and developers <sup>2</sup>	13,029	15,343	17,511	111	106	120	2.9
6552	Subdividers and developers, n.e.c. <sup>3</sup>	7,581	9,007	10,108	72	66	87	1.9
6553	Cemetery subdividers and developers	4,292	4,821	4,526	39	39	33	.5
66	Combined real estate, insurance, etc.	6,426	5,326	4,973	30	25	24	.5
67	Holding and other investment offices <sup>2</sup>	13,135	19,843	19,258	140	181	193	5.4
671	Holding offices	3,806	5,262	5,864	63	86	97	3.2
672	Investment offices	764	843	803	7	6	6	.3
673	Trusts	4,240	7,521	6,280	40	46	46	.8
679	Miscellaneous investing	3,701	5,812	5,950	25	37	41	1.0
	Administrative and auxiliary	1,661	1,837	1,844	123	160	167	3.9

D Withheld to avoid disclosure of operations of individual establishments. <sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> Includes industries not shown separately. <sup>3</sup> N.e.c.—Not elsewhere classified.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

## INSTRUMENT: 1980

(In billions of dollars. As of Dec. 31. Preliminary. A = Assets; L = Liabilities; BDR = Special drawing rights; IMF = International Monetary Fund. RPs = Repurchase Agreements. "N.e.c." = Not elsewhere classified)

TYPE OF INSTRUMENT	TOTAL <sup>1</sup>		PRIVATE DOMESTIC NONFINANCIAL INSTITUTIONS						U.S. GOVERNMENT		FINANCIAL INSTITUTIONS									
	A	L	Total		Households		Business		State and local govs.		Total		Monetary authority		Commercial banking		Nonbank finance		Federally sponsored credit agencies and mortgage pools	
			A	L	A	L	A	L	A	L	A	L	A	L	A	L				
Financial assets:	23,730.8	(x)	13,343.9	(x)	11,303.8	(x)	1,616.8	(x)	523.5	(x)	9,046.3	(x)	2,680.9	(x)	5,318.1	(x)	5,167.5	(x)	574.5	(x)
Liabilities	18,263.9	(x)	10,739.0	(x)	2,741.8	(x)	3,423.1	(x)	576.0	(x)	8,396.4	(x)	2,636.7	(x)	5,167.5	(x)	5,167.5	(x)	574.5	(x)
Gold stock and SDR's	19.5	-	-	-	-	-	-	-	-	-	11.1	-	-	-	-	-	-	-	-	-
IMF position	11.7	11.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Official foreign exchange	17.3	17.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Treasury currency SDR certificates	22.6	18.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Checkable deposits currency	775.5	832.5	652.8	-	523.7	-	111.3	-	17.8	-	22.8	-	2.5	562.9	61.1	74.8	2.7	-	-	-
Time and savings accounts	2,459.8	2,459.8	2,298.8	-	2,129.1	-	112.0	-	55.6	-	180.6	-	1,203.2	1,203.2	1,156.7	58.4	32.1	-	-	-
Fed funds and security RPs	226.2	255.0	83.4	-	-	-	40.5	-	52.9	-	132.9	-	196.5	100.7	58.4	-	-	-	-	-
Money market fund shares	226.3	226.3	226.3	-	226.3	-	-	-	-	-	22.2	-	-	-	22.2	-	-	-	-	-
Foreign deposits	48.6	48.6	24.5	-	-	-	24.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Life insurance reserves	267.2	267.2	267.2	-	267.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pension fund reserves	1,967.4	1,967.4	1,967.4	-	1,967.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interbank claims	29.1	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corporate equities <sup>2</sup>	3,488.7	487.6	2,350.3	-	2,350.3	-	-	-	-	-	76.8	-	73.8	54.2	-	-	-	-	-	-
Credit market instruments <sup>3</sup>	9,355.8	9,355.8	1,751.7	5,884.2	1,168.5	2,835.8	218.7	2,677.8	374.5	350.8	953.2	-	2,173.3	178.8	3,886.7	459.5	332.2	306.9	-	-
U.S. Treasury securities <sup>4</sup>	1,811.7	1,811.7	829.1	-	376.3	-	45.6	-	207.2	-	814.5	-	221.5	203.5	488.5	-	-	-	-	-
Federal agency securities <sup>5</sup>	803.1	803.1	295.9	-	221.0	-	1.5	-	73.4	-	914.5	-	211.3	113.3	383.5	-	-	-	-	-
Tax-exempt securities <sup>6</sup>	723.8	723.8	276.5	-	260.7	-	8.0	-	118.6	-	447.4	-	10.1	202.8	244.6	-	-	-	-	-
Corporate and foreign bonds	903.0	903.0	71.7	-	71.7	-	-	-	-	-	800.1	-	-	47.3	678.1	129.3	-	-	-	-
Mortgages	2,562.8	2,562.8	236.3	2,560.1	150.3	1,090.8	92.8	857.3	60.0	-	830.1	-	502.5	1,090.4	2,657.2	-	-	-	-	-
Consumer credit	723.0	723.0	92.8	-	723.0	-	-	-	-	-	800.1	-	-	-	310.5	-	-	-	-	-
Bank loans, n.e.c.	764.2	764.2	701.2	-	701.2	-	-	-	-	-	204.2	-	-	74.8	129.3	-	-	-	-	-
Open-market paper	384.9	384.9	148.4	82.9	78.5	51.6	70.9	62.9	36.1	-	204.2	-	502.5	1,090.4	2,657.2	-	-	-	-	-
Security credit	131.2	131.2	38.3	59.9	39.3	-	-	-	-	-	2.8	-	-	319.8	718.8	-	-	-	-	-
Proprietors' equity	2,404.3	2,404.3	2,404.3	-	2,404.3	-	-	-	-	-	36.1	-	11.1	43.1	216.3	182.7	1.5	-	-	-
Trade credit <sup>7</sup>	735.3	621.7	646.8	581.2	-	-	-	-	-	-	71.4	-	-	-	52.3	71.4	-	-	-	-
Taxes payable	37.1	12.0	22.9	10.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous claims	1,529.2	1,531.4	588.5	223.5	135.6	15.0	462.6	208.5	-	-	819.2	-	290.8	350.2	312.6	564.7	7.9	61.0	-	-

- Represents zero. X Not applicable. Z Less than \$50 million. <sup>1</sup> Includes "rest of world", not shown separately. <sup>2</sup> Assets shown at market value; nonbank finance liability is redemption value of shares of open-end investment companies. No specific liability attributed to issuers of stocks other than open-end investment companies for amounts outstanding. <sup>3</sup> Includes "Other loans," not shown separately. <sup>4</sup> Includes savings bonds and other nonmarketable debt held by public. <sup>5</sup> Issues by agencies in the budget and by sponsored credit agencies in financial sectors, issues backed by mortgage pools, and loan participation certificates. <sup>6</sup> Asset is corporate only; noncorporate credit deducted in liability total to conform to quarterly flow tables.

Source: Board of Governors of the Federal Reserve System, Annual Statistical Digest.

# **NO. 766. FLOW OF FUNDS ACCOUNTS—FINANCIAL ASSETS OF FINANCIAL AND NONFINANCIAL INSTITUTIONS, BY HOLDER SECTOR: 1970 TO 1986**

[In billions of dollars. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series X 182, X 229, X 821, and X 835]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>All sectors</b>	<b>4,884.7</b>	<b>7,077.3</b>	<b>13,088.8</b>	<b>14,300.1</b>	<b>16,336.8</b>	<b>17,028.1</b>	<b>18,888.2</b>	<b>21,232.9</b>	<b>23,738.9</b>
Households	2,502.7	3,552.2	5,882.2	7,178.2	7,748.3	8,527.1	9,117.3	10,234.8	11,203.9
Nonfinancial business	415.8	618.9	1,082.9	1,156.9	1,178.5	1,298.9	1,401.6	1,511.0	1,616.3
Farm	10.8	14.8	24.2	26.1	27.9	29.1	31.2	33.6	36.3
Nonfarm noncorporate	35.4	44.4	84.3	69.9	73.5	73.6	85.8	100.9	110.3
Nonfinancial corporations	369.6	557.6	994.4	1,061.0	1,077.1	1,194.2	1,284.6	1,376.5	1,469.8
U.S. Government	88.2	120.2	223.8	255.2	292.0	302.7	334.1	388.6	383.2
U.S. Government-sponsored credit agencies and mortgage pools	51.5	122.1	309.3	361.8	433.8	502.2	567.8	694.6	874.8
State and local government	71.7	128.5	216.1	223.8	248.5	284.1	330.6	448.7	523.5
Monetary authorities	86.1	124.8	173.8	182.0	194.4	203.9	218.5	243.4	275.4
Commercial banking <sup>1</sup>	516.7	885.7	1,481.9	1,905.9	1,700.3	1,853.7	2,083.3	2,328.4	2,580.0
Domestic commercial banks	488.9	792.4	1,268.1	1,366.2	1,471.9	1,603.2	1,801.0	1,994.1	2,171.6
Foreign banking offices in U.S.	9.3	29.2	101.2	117.3	87.3	81.9	103.4	131.1	168.8
Nonbank finance	823.0	1,343.8	2,549.1	2,818.4	3,131.9	3,555.1	3,988.3	4,629.4	5,318.1
Savings and loan associations <sup>2</sup>	173.0	333.1	621.9	857.8	707.6	830.3	988.6	1,072.1	1,158.3
Life insurance	200.9	279.7	484.2	507.5	567.5	632.7	682.9	788.3	880.2
Other insurance	48.9	77.3	174.3	185.8	202.8	225.3	241.0	269.9	329.8
Private pension funds	110.4	212.6	467.4	477.8	548.1	646.7	668.1	757.4	828.3
Govt. retirement funds <sup>3</sup>	80.3	104.8	198.1	224.2	262.5	311.2	358.6	432.1	502.7
Finance companies	84.1	99.1	205.0	230.2	242.3	269.9	308.3	357.9	412.1
Money market funds	-	3.7	74.4	161.9	206.6	182.5	208.7	207.5	228.3
Mutual savings banks <sup>4</sup>	79.3	121.1	171.5	175.3	174.3	194.4	204.7	218.6	238.2
Investment companies	48.8	43.0	83.7	84.0	90.0	130.1	162.5	283.0	487.8
Credit unions	18.0	36.9	89.0	72.3	62.7	98.3	113.0	137.2	165.8
Security brokers, dealers	16.2	18.5	36.1	38.8	42.9	48.0	53.5	77.1	79.2
Real estate investment trusts	3.9	14.0	3.3	3.2	3.5	3.5	5.8	8.1	8.6
Rest of the world	89.0	183.4	399.6	418.7	414.8	502.4	620.8	773.0	855.5

- Represents zero. <sup>1</sup> Includes other sectors not shown separately. <sup>2</sup> See footnote 2, table 786. <sup>3</sup> State and local. <sup>4</sup> Includes Federal savings banks insured by Federal Deposit Insurance Corporation and a few insured by Federal Savings and Loan Insurance Corporation.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

# **NO. 767. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF HOUSEHOLDS: 1970 TO 1986**

[As of December 31. See also *Historical Statistics, Colonial Times to 1970*, series X 114-147]

TYPE OF INSTRUMENT	TOTAL (bil. dol.)							PERCENT DISTRIBUTION		
	1970	1975	1980	1983	1984	1985	1986	1970	1985	1986
<b>Total financial assets</b>	<b>2,582.7</b>	<b>3,982.2</b>	<b>6,882.2</b>	<b>8,527.1</b>	<b>9,117.3</b>	<b>10,234.8</b>	<b>11,203.9</b>	<b>103.6</b>	<b>100.0</b>	<b>100.0</b>
Deposit and market instrument <sup>1</sup>	796.3	1,267.3	2,181.7	2,989.1	3,421.2	3,784.2	4,039.6	31.8	32.7	35.1
Checkable deposits and currency	118.2	187.6	273.4	362.1	380.8	425.9	523.7	4.7	4.1	4.7
Small time and savings deposits	408.9	719.6	1,142.1	1,533.8	1,686.8	1,829.7	1,949.4	15.8	17.1	17.4
Money market fund shares	-	3.7	74.4	162.5	209.7	207.5	228.3	-	1.1	2.0
Large time deposits	17.4	44.5	133.1	126.1	197.5	194.8	179.7	7	2.0	1.6
Credit market instruments	251.8	332.0	568.6	804.8	946.3	1,128.5	1,158.5	10.1	8.4	10.3
U.S. Government securities	105.8	130.7	258.4	421.0	531.8	589.9	587.4	4.2	3.8	5.3
Treasury issues	84.9	118.5	206.8	357.8	432.8	427.7	378.3	3.4	3.1	3.4
Savings bonds	52.1	67.4	72.5	71.5	74.5	79.8	83.3	2.1	1.1	.8
Other Treasury	32.8	51.1	133.1	286.5	358.2	347.9	283.0	1.3	2.0	2.5
Agency issues	20.9	12.2	52.8	63.0	98.0	162.2	221.0	.8	.8	2.0
Tax-exempt obligations	48.0	88.1	88.3	161.7	190.2	248.8	280.7	1.8	1.3	2.3
Corporate and foreign bonds	36.2	65.9	56.2	41.8	36.5	52.4	71.7	1.4	.8	.8
Mortgages	52.1	58.4	116.4	145.1	151.1	152.2	150.3	2.1	1.7	1.3
Open-market paper	11.8	8.9	39.3	35.1	34.8	82.4	78.5	.5	.6	.7
Corporate equities	728.6	641.0	1,185.7	1,454.2	1,480.7	1,948.0	2,350.3	28.1	17.5	21.0
Mutual fund shares	48.8	43.0	83.7	130.1	162.5	289.0	487.8	1.9	1.0	4.4
Other corporate equities	681.8	598.0	1,103.0	1,324.0	1,328.2	1,665.0	1,862.8	27.2	16.6	16.6
Life insurance reserves	130.7	188.5	218.4	240.8	246.0	256.7	287.2	5.2	3.2	2.4
Pension fund reserves <sup>2</sup>	239.2	431.7	913.9	1,358.3	1,477.2	1,738.3	1,967.4	9.6	12.7	17.8
Equity in noncorp. business	577.2	1,000.7	2,098.3	2,365.4	2,355.5	2,355.1	2,404.3	23.1	31.5	21.5
Security credit	4.4	4.5	14.8	18.8	18.1	30.6	39.3	.2	.2	.4
Miscellaneous assets	26.3	40.8	72.4	100.8	107.6	120.7	135.8	1.1	1.1	1.2
<b>Total liabilities</b>	<b>800.8</b>	<b>791.4</b>	<b>1,888.8</b>	<b>1,825.3</b>	<b>2,187.5</b>	<b>2,462.8</b>	<b>2,741.8</b>	<b>100.8</b>	<b>100.0</b>	<b>100.0</b>
Credit market instruments	480.1	762.2	1,451.8	1,847.5	2,082.0	2,388.7	2,536.8	95.8	98.2	98.2
Mortgages	308.0	484.5	974.8	1,213.8	1,344.8	1,493.8	1,880.6	61.7	84.6	81.7
Installment consumer credit	105.5	188.7	301.4	383.8	460.8	543.2	588.3	21.1	20.0	21.4
Other consumer credit	37.6	50.9	74.5	91.0	108.0	123.3	138.7	7.5	4.9	5.9
Tax-exempt debt	-	2.7	16.7	41.0	51.2	81.3	82.0	-	1.1	2.0
Bank loans, not elsewhere classified	6.9	13.9	29.5	41.5	36.7	44.8	51.5	1.4	2.0	1.9
Other loans	20.9	31.5	54.7	78.5	79.4	83.3	88.4	4.2	3.8	3.2
Security credit	10.4	12.1	27.2	37.7	34.8	51.3	58.9	2.1	1.8	2.2
Trade credit	5.3	8.4	17.8	24.0	25.8	28.0	30.5	1.1	1.1	1.1
Unpaid life insurance premiums <sup>3</sup>	5.1	7.7	12.9	18.1	15.1	13.8	15.0	1.0	.9	.9

- Represents zero. <sup>1</sup> Excludes corporate equities. <sup>2</sup> See also table 888. <sup>3</sup> Includes deferred premiums.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

# **NO. 758. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF PRIVATE NONBANK FINANCIAL INSTITUTIONS, BY TYPE OF INSTRUMENT: 1986**

(In billions of dollars. As of Dec. 31. Preliminary. A=Assets; L=Liabilities; "N.e.c."=Not elsewhere classified; RP's=Repurchase agreements)

TYPE OF INSTRUMENT	TOTAL <sup>1</sup>		SAVINGS AND LOAN ASSOCIATIONS <sup>2</sup>		INSURANCE COMPANIES		PRIVATE PENSION FUNDS		STATE AND LOCAL GOVERNMENT RETIREMENT FUNDS		FINANCE COMPANIES		INVESTMENT COMPANIES	
	A	L	A	L	A	L	A	L	A	L	A	L	A	L
Financial assets.....	5,318.1	(x)	1,188.3	(x)	1,218.0	(x)	338.5	(x)	582.7	(x)	412.1	(x)	487.8	(x)
Liabilities.....	(x)	5,187.8	(x)	1,130.7	(x)	1,082.1	(x)	826.3	(x)	502.7	(x)	438.6	(x)	487.6
Checkable deposits.....	61.1	74.9	17.2	40.5	9.0	-	4.5	-	2.8	-	7.0	-	6.5	-
Time and savings accounts.....	120.8	1,158.7	15.9	848.4	-	-	35.0	-	22.5	-	-	-	-	-
Fed. funds, security RP's.....	100.7	58.4	29.4	58.4	22.9	-	-	-	-	-	-	-	-	-
Money market fund shares.....	-	228.3	-	-	-	-	-	-	-	-	-	-	-	-
Foreign deposits.....	22.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserves.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Life insurance.....	-	256.7	-	-	-	256.7	-	-	-	-	-	-	-	-
Pension fund.....	-	1,797.8	-	-	-	488.6	-	628.3	-	502.7	-	-	-	-
Corporate equities.....	953.1	487.8	-	-	155.8	-	436.6	-	180.3	-	-	-	181.2	487.6
Credit market instruments.....	3,885.7	459.5	983.9	144.5	925.1	-	271.5	-	297.2	-	405.1	308.8	319.9	-
Securities.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Treasury.....	488.5	-	31.6	-	105.7	-	85.1	-	102.5	-	-	-	124.2	-
Federal agency.....	383.5	-	188.1	-	84.7	-	47.1	-	47.2	-	-	-	-	-
Tax-exempt.....	244.6	-	.8	-	-	-	-	-	.5	-	-	-	138.4	-
Corporate and foreign bonds.....	679.1	129.3	-	12.0	362.8	-	122.2	-	131.4	-	-	115.6	45.9	-
Mortgages.....	1,080.4	2.8	884.7	-	195.4	-	4.6	-	15.6	-	67.5	-	-	-
Consumer credit.....	310.6	-	50.6	-	-	-	-	-	-	-	162.8	-	-	-
Bank loans, n.e.c.....	-	36.1	-	23.9	-	-	-	-	-	-	-	11.4	-	-
Open market paper.....	216.3	182.7	26.0	-	33.2	-	32.3	-	-	-	-	181.8	9.4	-
Other loans.....	252.8	108.6	24.0	108.6	54.0	-	-	-	-	-	174.8	-	-	-
Security credit.....	52.3	71.4	-	-	-	-	-	-	-	-	-	-	-	-
Trade credit.....	29.7	-	-	-	29.7	-	-	-	-	-	-	-	-	-
Notes payable.....	-	1.5	-	-	-	.5	-	-	-	-	-	1	-	-
Miscellaneous.....	312.8	564.7	191.9	41.0	67.5	368.1	77.6	-	-	-	-	127.6	-	-

- Represents zero or rounds to zero. X Not applicable. <sup>1</sup> Includes mutual savings banks, credit unions, real estate investment trusts, and security brokers and dealers not shown separately. <sup>2</sup> Includes most Federal savings banks insured by FDIC. A few of them are included with mutual savings banks, not shown separately.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

## **NO. 756. FLOW OF FUNDS ACCOUNTS—CREDIT MARKET DEBT OUTSTANDING: 1970 TO 1986**

(In billions of dollars. As of Dec. 31. "N.e.c."=Not elsewhere classified)

ITEM	1970	1975	1979	1980	1981	1982	1982	1984	1986	1986
Credit market debt.....	1,804.0	2,823.9	4,251.2	4,884.6	5,185.4	5,645.9	6,308.9	7,307.8	8,263.2	9,355.8
Government.....	450.0	686.5	941.7	1,038.1	1,132.2	1,315.0	1,535.6	1,761.9	2,083.3	2,365.5
Federal.....	300.8	448.3	683.6	742.8	830.1	991.4	1,177.9	1,378.8	1,800.4	1,814.7
State and local.....	149.2	220.2	278.1	295.3	302.1	323.7	357.7	385.1	482.9	550.8
Non-government.....	1,154.0	1,867.4	3,309.5	3,846.6	4,053.2	4,330.9	4,773.3	5,446.0	6,189.9	6,980.2
Financial <sup>1</sup> .....	120.4	280.6	487.6	583.0	684.9	757.8	852.0	980.7	1,179.2	1,442.2
Sponsored credit agencies <sup>2</sup> .....	38.9	80.3	137.0	182.6	185.0	210.4	211.8	242.2	283.9	278.1
Mortgage pools.....	4.8	28.5	94.8	114.0	129.0	178.5	244.9	288.0	388.6	529.8
Commercial banks <sup>3</sup> .....	11.2	38.3	89.8	82.7	100.3	117.4	132.2	147.8	156.0	149.5
Savings and loan associations.....	11.0	18.1	50.2	57.8	73.4	75.8	73.8	93.2	115.5	144.1
Finance companies.....	50.8	74.9	134.6	133.3	151.7	158.5	170.1	191.2	245.0	308.8
Foreign.....	51.8	94.3	172.1	185.8	218.2	209.0	228.3	231.8	233.0	234.7
Private domestic nonfinancial.....	981.8	1,802.5	2,839.8	2,867.7	3,169.0	3,384.1	3,885.0	4,223.6	4,757.7	5,313.4
Corporations <sup>4</sup> .....	354.5	545.2	835.4	914.2	1,018.4	1,088.2	1,151.5	1,222.9	1,514.0	1,705.3
Bonds.....	187.3	281.0	373.5	412.0	448.2	482.0	507.5	574.1	670.6	775.9
Mortgages.....	88.8	86.0	78.4	80.6	78.7	77.4	80.9	81.2	81.7	83.7
Bank loans, n.e.c.....	103.8	189.0	288.7	296.9	338.4	378.7	388.8	478.7	515.1	583.8
Nonbank finance loans.....	14.0	31.9	75.4	80.8	90.2	92.3	102.4	127.6	148.1	170.3
Individuals.....	827.5	1,057.2	1,804.4	1,973.5	2,149.6	2,274.9	2,543.5	2,878.7	3,243.7	3,808.1
By sector.....	-	-	-	-	-	-	-	-	-	-
Households.....	480.1	782.2	1,329.0	1,451.6	1,577.7	1,658.8	1,847.5	2,082.0	2,389.7	2,836.6
Farm.....	47.4	82.0	144.6	158.8	178.4	183.2	187.5	187.5	173.2	158.2
Nonfarm noncorporate.....	100.0	213.1	330.8	362.2	395.5	431.9	508.5	808.1	700.8	814.3
By type of instrument.....	-	-	-	-	-	-	-	-	-	-
Mortgages.....	408.5	717.4	1,238.7	1,385.7	1,478.8	1,551.5	1,730.6	1,950.7	2,181.8	2,476.3
Consumer credit.....	143.1	219.8	371.4	375.9	388.5	418.1	474.9	589.9	688.5	723.0
Policy loans.....	17.0	25.5	35.9	42.6	50.0	54.2	55.2	55.8	58.5	55.3
Bank loans, n.e.c.....	29.8	48.6	83.0	74.6	88.1	191.0	108.8	107.6	111.5	117.4
Other loans.....	28.0	45.4	83.8	88.0	115.4	120.8	132.9	143.8	147.0	154.0
Tax-exempt debt.....	-	2.7	13.6	16.7	21.1	28.6	41.0	51.2	81.3	62.0

- Represents zero. <sup>1</sup> Includes other types, not shown separately. <sup>2</sup> U.S. Government. <sup>3</sup> Includes bank affiliates.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

## NO. 770. OWNERSHIP OF PUBLIC DEBT SECURITIES BY PRIVATE INVESTORS: 1970 TO 1986

(As of December. Per values. Estimated)

INVESTOR	AMOUNT (bil. dol.)							PERCENT DISTRIBUTION				
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1985	1986
Total privately held.....	229.1	346.4	518.4	1,022.6	1,212.5	1,417.2	1,802.8	100.0	100.0	100.0	100.0	100.0
Commercial banks <sup>1</sup> .....	82.7	85.1	112.1	188.8	163.4	192.2	230.1	27.4	24.4	18.2	13.6	14.4
Nonbank investors.....	185.4	254.2	504.3	833.8	1,029.1	1,225.0	1,371.9	72.6	75.6	81.8	86.4	85.6
Individuals <sup>2</sup> .....	81.2	90.6	117.1	133.4	143.8	154.8	157.0	35.4	26.0	19.0	10.9	9.8
Insurance companies.....	7.4	9.5	24.0	58.7	78.4	95.8	105.9	3.2	2.7	3.9	6.8	6.7
Money market funds.....	(NA)	(NA)	3.5	22.8	25.0	25.1	26.6	(NA)	(NA)	.6	1.6	1.8
Corporations <sup>3</sup> .....	7.3	21.3	19.9	39.7	50.1	59.0	68.8	3.2	6.1	3.1	4.2	4.3
State and local governments <sup>4</sup> .....	27.8	34.2	87.9	150.5	173.4	235.8	273.1	12.1	9.8	14.3	16.8	17.0
Foreign and international <sup>5</sup> .....	19.8	88.5	129.7	166.3	192.9	212.5	251.5	8.6	19.0	21.0	15.0	15.7
Other investors <sup>6</sup> .....	23.0	41.9	122.8	264.4	366.6	442.0	486.0	10.0	12.0	19.9	31.2	30.3

NA Not available. <sup>1</sup> Consists of domestically chartered banks, U.S. branches and agencies of foreign banks, NY investment companies majority owned by foreign banks, and Edge Act corporations owned by domestically chartered and foreign banks. <sup>2</sup> Includes partnerships and personal trust accounts. <sup>3</sup> Exclusive of banks and insurance companies. <sup>4</sup> Includes State and local pension funds. <sup>5</sup> Consists of the investment of foreign balances and international accounts in the United States. <sup>6</sup> Consists of savings and loan associations, credit unions, mutual savings banks, nonprofit institutions, money market funds (for 1970 and 1975), corporate pension trust funds, and dealers and brokers. Also included are certain government deposit accounts and government-sponsored agencies.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

## NO. 771. SELECTED FINANCIAL INSTITUTIONS—NUMBER AND ASSETS, BY ASSET SIZE: 1986

(As of December)

ASSET SIZE	NUMBER OF INSTITUTIONS				ASSETS (bil. dol.)			
	F.D.I.C.-insured commercial banks <sup>1</sup>	F.S.L.I.C.-insured savings institutions <sup>2</sup>	F.D.I.C.-insured savings banks <sup>1</sup>	Credit unions <sup>3</sup>	F.D.I.C.-insured commercial banks <sup>1</sup>	F.S.L.I.C.-insured savings institutions <sup>2</sup>	F.D.I.C.-insured savings banks <sup>1</sup>	Credit unions <sup>3</sup>
Total.....	14,199	3,227	472	14,893	2,940.9	1,195.6	237.8	147.7
Less than \$5.0 million.....	221		1	10,477	.7		(2)	14.0
\$5.0 million-\$9.9 million.....	814	382	6	1,530	7.1	6.1	(2)	10.8
\$10.0 million-\$24.9 million.....	3,066		21	1,483	63.3		.4	23.4
\$25.0 million-\$49.9 million.....	3,664	558	45	600	132.6	20.8	1.8	29.9
\$50.0 million-\$99.9 million.....	2,999	710	65	353	201.0	50.6	6.5	24.4
\$100.0 million-\$499.9 million.....	2,236	1,168	217	239	432.1	246.0	60.1	43.1
\$500.0 million or more.....	556	413	97	12	2,104.1	\$42.2	178.4	11.1
PERCENT DISTRIBUTION								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5.0 million.....	1.6		.2	71.3	(2)		(2)	9.5
\$5.0 million-\$9.9 million.....	5.4	12.1	1.3	10.4	.2	.5	(2)	7.3
\$10.0 million-\$24.9 million.....	26.0		4.4	10.1	2.2		.2	15.8
\$25.0 million-\$49.9 million.....	25.0	17.2	9.5	4.1	4.5	1.8	.7	14.2
\$50.0 million-\$99.9 million.....	20.4	22.0	19.0	2.4	6.8	4.3	2.7	16.6
\$100.0 million-\$499.9 million.....	15.7	35.8	46.0	1.6	14.7	21.1	21.1	29.2
\$500.0 million or more.....	3.9	12.8	20.6	.1	71.6	72.3	75.3	7.5

<sup>1</sup> Less than \$50 million or .05 percent. <sup>2</sup> Source: U.S. Federal Deposit Insurance Corporation (F.D.I.C.), unpublished data. <sup>3</sup> Source: U.S. League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual, F.S.L.I.C.—Federal Savings and Loan Insurance Corporation. <sup>4</sup> Source: National Credit Union Administration, *National Credit Union Administration Yearend Statistics 1986*. Excludes nonfederally insured State chartered credit unions and federally insured corporate credit unions.

Source: Compiled from sources listed in footnotes.

## NO. 772. FEDERAL RESERVE MEMBER BANKS—REVENUE AND EXPENSES: 1970 TO 1986

(Includes one member bank in the Virgin Islands)

ITEM	Unit	1970	1975	1979	1979	1986	1981	1982	1983	1984	1985	1986
Member banks.....	Number.....	5,789	5,790	5,564	5,425	5,422	5,474	5,619	5,807	5,961	6,034	6,069
Current revenue.....	Bil. dol.....	27.8	51.4	89.1	118.9	150.8	198.6	202.3	195.8	215.6	216.9	211.9
Expenses.....	Bil. dol.....	22.2	44.4	77.8	105.8	136.5	181.9	186.4	171.8	200.8	200.2	197.4
Not current earnings.....	Bil. dol.....	5.7	7.0	11.3	13.1	14.2	14.7	13.9	14.0	14.7	17.6	17.3
Not income.....	Bil. dol.....	3.8	5.5	7.8	9.2	9.8	10.6	10.7	10.8	11.2	13.5	13.4
Cash dividends declared.....	Bil. dol.....	1.6	2.5	2.9	3.5	3.9	4.4	4.9	5.5	5.7	6.3	6.9
Capital accounts <sup>1</sup> .....	Bil. dol.....	33.0	50.0	61.5	67.1	73.7	80.9	98.7	99.7	108.6	117.9	126.2
Ratio to avg. capital accounts:												
Not current earnings.....	Percent.....	17.4	13.9	18.4	19.5	19.2	18.2	15.7	14.5	13.6	15.1	13.7
Not income.....	Percent.....	11.6	11.1	12.8	13.7	13.4	13.1	12.1	11.2	10.5	11.5	10.9
Cash dividends declared.....	Percent.....	6.3	6.0	4.8	5.2	5.3	5.5	5.6	5.7	6.3	6.4	6.6

<sup>1</sup> Averages of amounts reported for varying call dates; for details, see source.Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

### No. 773. BANKS, BANKING OFFICES, AND DEPOSITS, BY INSURANCE STATUS AND CLASS OF BANK: 1986

[As of June 30]

INSURANCE STATUS AND CLASS OF BANK	Banks (num- ber)	Bank- ing offices (num- ber)	DEPOSITS (mil. dol.)				
			Total <sup>1</sup>	Individuals, partnerships and corporations			Govern- ment
				Total	Trans- action ac- counts <sup>2</sup>	Non- transac- tion accounts	
Total.....	14,846	61,538	2,003,400	1,808,208	803,297	1,304,908	108,478
F.D.I.C.-insured banks <sup>3</sup> .....	14,801	61,462	2,002,757	1,807,776	803,027	1,304,749	108,474
Commercial banks.....	14,333	58,145	1,823,359	1,628,379	490,186	1,138,193	108,474
National banks.....	4,922	28,095	1,055,032	943,485	290,522	652,963	59,918
State (Federal Reserve, member bank).....	1,090	6,127	246,150	212,242	72,424	139,818	12,307
State (non-Federal Reserve member).....	8,321	23,923	522,208	472,649	127,238	345,411	37,248
Savings banks.....	466	3,317	179,397	179,397	12,841	166,556	-
Noninsured banks <sup>4</sup> .....	45	76	643	429	270	159	4
Commercial banks.....	42	68	643	429	270	159	4
Savings banks.....	3	8	(NA)	(NA)	(NA)	(NA)	(NA)

- Represents zero. NA Not available. <sup>1</sup> Includes other types of deposits, not shown separately. <sup>2</sup> A transaction account is a deposit or account on which the depositor or account holder is permitted to make withdrawals by negotiable or transferable instrument, payment orders of withdrawal, telephone transfers, or other similar devices for the purpose of making payments or transfers to others. <sup>3</sup> F.D.I.C. = Federal Deposit Insurance Corporation. <sup>4</sup> Includes only those noninsured banks for which data are available.

Source: U.S. Federal Deposit Insurance Corporation, *Data Book, Operating Banks and Branches, June 30, 1986*, vol. 1.

### No. 774. BANKING OFFICES, BY DEPOSIT INSURANCE STATUS: 1970 TO 1986

[As of December 31. Includes Puerto Rico and outlying areas. Beginning 1982 excludes automatic teller machines that were previously being reported by many banks as branches. See also *Historical Statistics, Colonial Times to 1970*, series X 716-724]

ITEM	1970	1975	1975	1983	1981	1983	1983	1984	1983	1983
All banking offices.....	37,186	47,239	54,936	57,232	59,348	57,913	59,050	60,067	59,050	61,897
Commercial banks, total.....	35,585	44,917	51,588	53,649	55,749	54,829	55,980	57,010	57,764	58,585
Member, Federal Reserve										
System.....	21,989	28,526	29,163	29,985	31,414	30,921	31,946	32,809	33,854	34,542
National banks.....	17,191	21,073	23,307	24,217	25,221	24,867	26,080	27,037	27,844	28,218
State banks.....	4,798	5,453	5,856	5,798	6,193	6,054	5,898	5,772	6,010	6,324
Nonmember banks.....	13,596	18,391	22,426	23,664	24,335	23,908	24,014	24,201	23,910	24,023
Insured.....	13,332	16,043	21,993	23,186	23,788	23,314	23,380	23,535	23,910	24,023
Noninsured.....	264	348	432	478	547	594	634	666	(NA)	(NA)
Savings banks, total.....	1,581	2,322	3,338	3,583	3,599	3,084	3,080	3,057	3,126	3,332
Insured.....	1,223	1,897	2,840	3,066	3,217	2,733	2,760	2,728	3,126	3,332
Noninsured.....	358	425	498	517	382	351	330	329	(NA)	(NA)

NA Not available.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

### No. 775. CHANGES IN NUMBER OF OPERATING BANKING OFFICES: 1970 TO 1986

[As of December 31. Includes Puerto Rico and outlying areas. Beginning 1985, excludes noninsured institutions. Minus sign (-) indicates decrease]

TYPE OF CHANGE	1970	1975	1979	1983	1981	1983	1983	1984	1986	1986
Banking offices <sup>1</sup> .....	37,186	47,239	54,936	57,239	59,348	57,913	59,050	60,067	60,890	61,897
Number of banks.....	14,199	15,130	15,201	15,330	15,355	15,412	15,440	15,489	14,809	14,681
Number of branches <sup>1</sup> .....	22,987	32,109	39,725	41,902	43,993	42,501	43,610	44,578	46,081	47,216
Net change during year.....	1,584	1,931	2,318	2,306	2,116	-1,436	1,137	1,017	1,818	1,897
Offices opened.....	1,664	2,224	2,891	2,800	2,901	2,387	2,119	2,336	2,874	2,758
Banks.....	186	277	239	271	265	379	432	486	482	396
Branches.....	1,678	1,947	2,652	2,529	2,636	2,008	1,687	1,852	2,392	2,360
Offices closed.....	280	293	573	494	785	3,822	982	1,321	1,056	1,749
Banks.....	165	108	244	142	240	322	404	427	496	524
Branches.....	115	185	329	352	545	<sup>2</sup> 3,500	578	894	560	1,225

<sup>1</sup> See headnote, table 774. <sup>2</sup> Includes 3,000 automatic teller machines that were previously reported as branches.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.



No. 776. BANK HOLDING COMPANIES—OFFICES, ASSETS, AND DEPOSITS: 1970 TO 1986

[As of Dec. 31. A "bank holding company" means any company which has control over any bank or over any company that is, or becomes, a bank holding company by virtue of the Bank Holding Company Act and its amendments. Represents domestic data only]

ITEM	1970	1975	1970	1983	1981	1983	1983	1984	1985	1986
Number of companies.....	121	1,821	2,478	2,905	3,500	4,285	5,389	5,702	5,946	6,489
Banking offices.....	4,155	22,056	27,099	29,924	33,733	37,066	41,349	44,670	47,106	49,217
Banks.....	895	3,674	4,280	4,954	5,989	6,731	7,835	8,840	9,156	9,426
Branches.....	3,260	18,382	22,819	24,970	28,044	30,337	33,514	35,830	37,950	39,790
Assets (bil. dol.) .....	92.9	681.3	1,004.7	1,134.4	1,296.7	1,537.9	2,019.8	2,151.9	2,363.4	2,573.0
Percent of all commercial banks.....	18.1	68.5	70.6	74.1	77.3	82.6	86.0	89.4	90.2	91.1
Deposits (bil. dol.).....	78.1	527.5	744.7	840.6	936.7	1,113.7	1,527.2	1,637.3	1,786.2	1,955.8

Source: Board of Governors of the Federal Reserve System, *Banking and Monetary Statistics, 1941-1970; Annual Statistical Digest*; and unpublished data.

No. 777. COMMERCIAL BANKS—DOMESTIC ASSETS AND DEPOSITS, STATES AND OTHER AREAS: 1986

[As of December 31. Excludes foreign branches of U.S. banks]

STATE	ALL COMMERCIAL BANKS <sup>1</sup>				INSURED COMMERCIAL BANKS <sup>2</sup>		STATE OR OTHER AREA	ALL COMMERCIAL BANKS <sup>1</sup>				INSURED COMMERCIAL BANKS <sup>2</sup>	
	Assets		Deposits		Assets (bil. dol.)	Deposits (bil. dol.)		Assets		Deposits		Assets (bil. dol.)	Deposits (bil. dol.)
	Total (bil. dol.)	Per cent held by multi-bank holding companies	Total (bil. dol.)	Per capita <sup>3</sup> (dol.)				Total (bil. dol.)	Per cent held by multi-bank holding companies	Total (bil. dol.)	Per capita <sup>3</sup> (dol.)		
Total .....	(NA)	(NA)	(NA)	(NA)	2,531.8	1,988.5	NE .....	16.6	40.9	14.5	9,053	16.6	14.5
U.S. ....	2,573.1	71.0	1,955.8	8,113	2,519.9	1,958.6	NV .....	9.0	95.4	5.9	6,142	9.1	6.0
AL .....	28.9	72.6	23.2	5,726	26.9	23.2	NH .....	7.9	83.9	6.9	6,903	7.9	6.9
AK .....	5.0	24.4	4.1	7,610	5.0	4.1	NJ .....	68.5	67.1	56.0	7,618	69.3	59.1
AZ .....	27.6	46.6	23.8	7,168	27.6	23.8	NM .....	9.9	56.3	6.5	5,763	9.9	6.5
AR .....	17.2	39.2	15.8	6,861	18.0	15.8	NY .....	423.3	66.9	255.5	14,376	391.0	255.5
CA .....	251.5	57.4	206.5	7,652	246.3	207.9	NC .....	55.4	80.5	38.9	6,144	54.8	38.9
CO .....	25.7	75.5	21.3	6,531	25.6	21.4	ND .....	6.9	47.3	6.1	8,957	6.9	6.1
CT .....	32.8	79.6	26.3	8,240	32.5	28.3	OH .....	87.5	82.8	69.1	6,427	86.2	69.5
DE .....	34.2	62.2	15.3	24,117	34.1	15.3	OK .....	29.2	36.6	25.3	7,652	29.2	25.4
DC .....	14.5	28.3	11.7	18,626	13.9	11.7	OR .....	18.9	83.1	14.5	5,361	18.6	14.5
FL .....	102.4	73.3	68.4	7,401	101.8	66.4	PA .....	136.2	81.4	102.4	8,617	134.2	102.4
GA .....	50.2	78.4	37.9	6,206	49.4	36.2	RI .....	11.3	87.0	7.9	8,131	11.3	7.9
HI .....	10.6	5.7	9.3	8,786	9.2	9.3	SC .....	17.0	51.0	13.2	3,901	17.0	13.2
ID .....	7.1	84.3	5.9	5,922	7.1	5.9	SD .....	18.2	82.6	8.1	11,391	18.2	6.1
IL .....	148.7	71.1	108.8	9,421	148.3	106.8	TN .....	38.8	49.5	32.1	6,667	38.2	32.1
IN .....	46.7	61.3	40.4	7,346	46.0	40.4	TX .....	201.3	75.4	158.2	9,482	198.9	157.4
IA .....	30.1	39.9	26.0	9,119	30.1	26.0	UT .....	11.1	73.7	9.0	5,403	10.9	9.0
KS .....	24.6	24.9	21.5	8,746	24.6	21.5	VT .....	4.7	37.9	4.1	7,665	4.7	4.1
KY .....	33.1	66.7	26.2	7,025	33.0	26.2	VA .....	51.0	83.8	40.9	7,070	50.6	40.9
LA .....	37.0	50.9	31.5	7,003	36.8	31.5	WA .....	31.4	79.0	25.6	5,746	31.0	25.6
ME .....	6.1	66.2	5.2	4,451	6.1	5.2	WV .....	14.9	54.2	12.8	6,670	14.9	12.8
MD .....	37.8	37.5	29.1	6,513	37.4	29.1	WI .....	40.5	67.9	33.8	7,065	40.4	33.8
MA .....	77.4	76.7	58.6	10,056	76.4	58.6	WY .....	4.4	63.5	3.9	7,716	4.4	3.9
MI .....	78.0	68.6	62.0	6,782	74.2	62.0	AM <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(Z)	(Z)
MN .....	54.3	72.1	38.9	9,225	53.8	38.9	PR .....	(NA)	(NA)	(NA)	(NA)	11.5	8.7
MS .....	17.9	22.7	15.1	5,756	17.9	15.1	GU <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	.3	.2
MO .....	52.7	69.9	43.5	8,592	52.4	43.5	Pacific Islands <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(Z)	(Z)
MT .....	7.3	68.6	6.1	7,479	7.3	6.1							

NA Not available. Z Less than \$50 million. <sup>1</sup> Data reflect revisions submitted by banks after original filing date. <sup>2</sup> Based on U.S. Bureau of the Census resident population estimates as of July 1. <sup>3</sup> Source: U.S. Federal Deposit Insurance Corporation, unpublished data. <sup>4</sup> Consists of data for one insured commercial bank chartered in the outlying areas.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

## NO. 773. INSURED COMMERCIAL BANKS—ASSETS AND LIABILITIES: 1975 TO 1986

(In billions of dollars, except number of banks. As of Dec. 31. Includes outlying areas. Excludes noninsured banks and nondescript trust companies. 1975 includes American branches of foreign banks. Except as noted, includes foreign branches of U.S. banks. See *Historical Statistics, Colonial Times to 1970*, series X 568-609, for related data.)

ITEM	1975	1976	1980	1981	1982	1983	1984	1985	1986
Number of banks	14,384	14,384	14,434	14,414	14,452	14,465	14,481	14,404	14,236
Assets	1,086.4	1,082.1	1,865.7	2,029.1	2,194.3	2,342.1	2,808.8	2,781.6	2,846.0
Securities, total <sup>1</sup>	231.5	283.9	334.4	352.1	386.0	441.3	385.8	439.6	484.8
U.S. Treasury, direct obligations	61.0	68.4	104.5	103.7	118.7	168.1	108.2	118.3	127.0
Obligations of States and subdivisions <sup>2</sup>	100.9	132.8	148.3	151.5	155.2	168.4	120.9	160.6	140.4
Federal funds sold and securities purchased <sup>3</sup>	37.0	61.3	70.3	91.2	103.9	93.5	110.8	135.2	136.2
Net loans and leases <sup>4</sup>	580.1	935.6	1,006.4	1,120.2	1,211.6	1,201.9	1,489.7	1,607.8	1,727.2
Commercial and industrial loans	(NA)	361.1	391.0	454.6	504.4	524.6	565.0	577.7	600.8
Real estate loans	(NA)	249.3	266.1	291.4	308.0	336.6	365.6	436.5	514.6
Loans to depository institutions <sup>5</sup>	(NA)	89.5	81.2	84.7	106.9	109.2	72.3	66.0	70.2
Loans to farmers (excl. real estate)	(NA)	31.4	32.3	32.7	37.0	39.9	40.7	36.1	31.7
Other loans to individuals	(NA)	192.7	187.4	193.0	199.2	224.6	269.9	309.0	335.6
All other loans <sup>6</sup>	(NA)	60.6	62.6	69.4	73.1	83.6	176.6	195.1	191.4
Lease financing receivables	(NA)	11.6	14.0	15.9	16.7	17.1	20.2	24.3	27.5
Cash, balances with banks, etc.	189.4	306.6	331.9	327.4	334.3	341.9	323.5	340.6	379.0
Other	47.4	94.7	112.6	136.2	158.5	164.2	196.9	209.8	206.7
Liabilities and equity capital	<sup>7</sup> 1,086.4	1,082.1	1,865.7	2,029.1	2,194.3	2,342.1	2,808.8	2,781.6	2,846.0
Deposits	915.9	1,363.1	1,481.2	1,588.8	1,708.5	1,842.5	1,962.6	2,117.9	2,262.3
Demand <sup>8</sup>	(NA)	414.8	415.1	399.2	354.2	370.6	421.6	460.9	510.6
Time and savings <sup>9</sup>	(NA)	659.6	755.6	695.1	1,029.1	1,140.9	1,223.4	1,345.2	1,457.9
Deposits in foreign offices	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	317.6	321.8	313.8
Individuals, partnerships and corporations <sup>10</sup>	(NA)	914.5	1,007.8	1,102.9	1,214.9	1,353.6	1,486.6	1,617.1	1,751.5
Government <sup>11</sup>	(NA)	88.5	64.2	85.3	90.0	88.7	96.5	107.5	108.7
Domestic interbank, foreign government, and other banks in foreign countries <sup>12</sup>	(NA)	72.8	77.7	64.2	77.5	70.6	55.6	64.0	78.9
Miscellaneous liabilities	101.6	225.5	290.4	315.4	351.5	352.0	381.4	414.9	458.1
Subordinated notes and debentures	4.4	8.3	6.5	8.5	7.3	7.1	10.2	14.7	18.9
Limited-life preferred stock	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14.0	1
Equity capital	64.3	97.2	107.6	118.3	129.0	140.5	154.3	169.5	182.6

NA Not available. <sup>1</sup> Book value. Includes other categories not shown separately. <sup>2</sup> Beginning 1984, nonrated industrial development and other obligations of States and political subdivisions are included under all other loans. <sup>3</sup> Under agreements to resell. <sup>4</sup> Excludes allowance for loan and lease losses and unearned income. <sup>5</sup> Includes loans to foreign banks. <sup>6</sup> Includes reserves on loans and securities, not shown separately. <sup>7</sup> Represents deposits in domestic offices only. <sup>8</sup> Beginning 1984, noninterest bearing deposits. <sup>9</sup> Beginning 1984, interest bearing deposits. <sup>10</sup> Includes official institutions in foreign countries.

Source: U.S. Federal Deposit Insurance Corporation, *Assets and Liabilities: Commercial and Mutual Savings Banks*, semiannual; beginning 1979, *Annual Report*; and unpublished data.

## NO. 779. INSURED COMMERCIAL BANKS—SELECTED MEASURES OF FINANCIAL CONDITION: 1975 TO 1986

(As of December 31. Capital figures exclude reserves for possible loan losses)

ITEM	Unit	1975	1976	1980	1981	1982	1983	1984	1985	1986
Number of banks	Number	14,384	14,384	14,434	14,414	14,452	14,465	14,481	14,404	14,236
Equity and debt capital	BL. dol.	70.3	103.3	114.1	124.9	136.2	147.8	164.5	<sup>1</sup> 196.2	<sup>1</sup> 198.6
Equity capital to total assets	Percent	6.1	5.7	5.8	5.8	5.9	6.0	6.2	6.2	6.2
Equity capital to total deposits	Percent	6.5	7.1	7.3	7.4	7.6	7.6	7.9	8.0	8.0
Debt capital to total capital	Percent	6.3	6.1	5.7	5.2	5.4	4.8	6.2	<sup>1</sup> 14.5	<sup>1</sup> 8.5
Total capital to total assets	Percent	6.5	6.1	6.2	6.2	6.2	6.3	6.6	6.7	6.7
Total capital to total liabilities	Percent	6.9	6.5	6.6	6.6	6.6	6.7	7.0	7.2	7.2
Total capital to risk assets <sup>2</sup>	Percent	9.0	8.3	8.4	8.2	8.2	8.4	8.5	9.1	9.3
Total loans, excluding Federal funds <sup>3</sup>	BL. dol.	579.4	681.2	1,002.5	1,131.9	1,224.4	1,316.6	1,508.3	1,630.8	1,786.5
Total loans to deposits	Percent	63.4	68.4	67.7	71.2	71.7	71.5	79.9	77.0	76.6
Net loan charge-offs to average total loans	Percent	.61	.34	.36	.36	.56	.66	.76	.84	.86
Aggregate net operating income	ML. dol.	7,146	13,126	14,484	15,600	15,567	14,907	15,540	16,287	13,478
Aggregate net income to average equity capital	Percent	11.7	13.9	13.7	13.1	12.1	11.1	10.7	11.3	10.1
Aggregate net income to average assets	Percent	.78	.81	.78	.77	.72	.66	.65	.70	.64

<sup>1</sup> Includes limited life preferred stock as debt capital. <sup>2</sup> Risk assets are total assets less cash, U.S. Government securities, and Federal funds sold. <sup>3</sup> Beginning in 1984, some assets previously classified as securities are included among loans.

Source: U.S. Federal Deposit Insurance Corporation, *The Condition of the Financial System*, May 1980, and unpublished data.

### NO. 700. FDIC-INSURED BANKS CLOSED OR ASSISTED DUE TO FINANCIAL DIFFICULTIES, AND PROBLEM BANKS: 1971 TO 1986

[Banks are closed either permanently or temporarily by order of supervisory authorities or by directors of banks. F.D.I.C.—Federal Deposit Insurance Corporation. See *Historical Statistics, Colonial Times to 1870*, series X 741, 746, 756, and 761]

ITEM	Unit	1971-1980	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total banks closed or assisted.....	Number	79	8	7	10	10	10	42	45	179	120	145
Agricultural banks <sup>1</sup> .....	Number	(NA)	(NA)	(NA)	(NA)	(NA)	1	7	7	31	62	59
Deposits, closed and assisted banks.....	ML. dol.	5,372	205	854	111	216	3,826	9,308	5,442	12,683	8,058	6,597
Agricultural banks <sup>1</sup> .....	ML. dol.	(NA)	(NA)	(NA)	(NA)	(NA)	7	112	114	421	808	1,408
Problem banks <sup>2</sup> .....	Number	(X)	368	342	287	217	223	366	642	848	1,140	1,484

NA Not available. X Not applicable. <sup>1</sup> Excludes assistance by FDIC to Continental Illinois. <sup>2</sup> Banks with at least 25 percent of their portfolios devoted to farm loans. <sup>3</sup> FDIC-insured commercial and savings banks considered to be problem banks by the supervisory authorities, end-of-period.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

### NO. 701. U.S. BANKING OFFICES OF FOREIGN BANKS—SUMMARY: 1975 TO 1986

[In billions of dollars, except as indicated. As of December, except as indicated. Covers agencies, branches, subsidiary commercial banks, New York State investment companies, and, for data by country only, finance companies]

YEAR	Assets	LOANS		Deposits	COUNTRY	NUMBER OF—		Assets	Loans, commercial and industrial	Deposits
		Total	Business			Banks with U.S. offices	U.S. offices			
1975.....	52.4	29.9	19.9	22.6	1986, total <sup>1</sup> .....	265	839	469.1	139.9	285.3
1980.....	200.6	121.4	59.6	80.4	Japan.....	27	81	201.8	48.0	110.3
1981.....	250.6	157.7	73.6	101.8	United Kingdom.....	14	52	44.5	18.0	28.6
1982.....	299.6	165.2	82.4	154.3	Canada.....	9	53	42.0	12.3	23.2
					Italy.....	12	26	28.1	6.4	12.3
1983.....	328.9	182.4	84.5	181.3	Hong Kong.....	11	30	24.1	7.1	17.8
1984.....	384.4	220.1	97.8	233.7						
1985.....	440.6	247.4	108.6	236.7	Switzerland.....	7	11	21.9	4.2	6.0
1986.....	524.3	276.9	126.8	276.2	France.....	15	11	20.2	4.4	11.8
					Israel.....	4	11	9.8	2.6	6.4
SHARE <sup>2</sup> .....					West Germany.....	12	11	7.8	2.1	3.7
					Netherlands.....	4	17	6.5	1.9	3.1
1975.....	5.3	5.7	10.4	2.9						
1980.....	11.9	13.4	18.2	6.6						
1985.....	16.1	15.4	22.5	12.1						
1986.....	17.3	15.6	23.3	12.8						

<sup>1</sup> Percent of "domestically owned" commercial banks plus U.S. offices of foreign banks. <sup>2</sup> As of June 30. Includes other countries not shown separately. Source: *American Banker*, New York, NY, selected issues.

Source: Except as noted, Board of Governors of the Federal Reserve System, unpublished data.

### NO. 702. 500 LARGEST BANKS IN THE WORLD—NUMBER AND DEPOSITS, BY LOCATION OF BANK: 1970 TO 1986

[Deposits in billions of dollars, except percent. Data cover U.S. commercial banks and foreign banks that conduct a commercial banking business; beginning 1983, includes U.S. and foreign savings banks. Beginning 1981, covers top 500 banks in assets available. Number of banks includes banks more than 50 percent owned by other banks. To avoid double-counting of deposits, banks more than 50 percent owned by other banks are excluded from deposit totals if their parent bank consolidates their deposits]

LOCATION OF BANK	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	PERCENT		
											1979	1983	1986
NUMBER													
U.S. banks.....	186	137	96	83	97	97	102	115	110	102	37.6	18.8	20.4
Foreign banks.....	316	363	405	407	405	403	398	395	390	398	63.0	81.4	79.6
DEPOSITS													
Total.....	590	2,178	4,508	4,984	5,213	5,230	5,883	5,854	7,022	9,204	100.0	100.0	100.0
U.S. banks.....	296	494	697	754	806	794	882	861	1,014	1,051	39.3	15.1	11.9
Foreign banks.....	594	1,682	3,811	4,240	4,407	4,436	4,991	4,993	6,008	8,153	60.7	84.9	88.6

Source: *American Banker*, New York, NY, selected July issues.

### NO. 783. FOREIGN BRANCHES OF U.S. FEDERAL RESERVE MEMBER BANKS—NUMBER AND ASSETS: 1970 TO 1986

(As of year end. The foreign branch activities of nonmember banks are not significant)

ITEM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980, prel.
Member banks operating foreign branches	Number	79	126	139	159	159	162	166	163	162	158	
Foreign branches	Number	532	762	789	787	841	900	892	906	916	886	
Assets of foreign branches <sup>1</sup>	Bil. dol.	50.0	145.3	279.5	310.5	343.3	341.3	333.1	291.3	286.7	290.0	
Percent of total assets of all insured commercial banks <sup>2</sup>	Percent	7.3	13.1	15.4	16.3	16.1	14.2	11.9	10.3	8.9	8.3	
Assets of branches in United Kingdom <sup>1</sup>	Bil. dol.	24.0	66.7	95.0	107.4	111.9	110.8	132.4	66.7	93.9	94.0	
Assets of branches in The Bahamas and Cayman Islands <sup>1</sup>	Bil. dol.	4.0	36.8	67.5	93.3	104.6	100.5	116.7	65.5	76.5	78.0	

<sup>1</sup> Data exclude claims on other foreign branches of the same bank. <sup>2</sup> Includes assets of foreign branches in countries other than those shown separately. <sup>3</sup> Percentages reflect adjustments to exclude foreign branch claims on the U.S. offices of their parent banks.

Source: Board of Governors of the Federal Reserve System, unpublished data.

### NO. 784. FOREIGN LENDING BY LARGE U.S. BANKS, BY MATURITY, TYPE OF BORROWER, AND COUNTRY: 1986

(In millions of dollars, except percent. As of December. Covers 195 U.S. banking organizations which do nearly all of the foreign lending in the country. Data represent claims on foreign residents and institutions held at all domestic and foreign offices of covered banks. Data cover only cross-border and non-local currency lending. These result from a U.S. bank's office in one country lending to residents of another country or lending in a currency other than that of the borrower's country. Excludes local currency loans and other claims and local currency liabilities held by banks' foreign offices on residents of the country in which the office was located (e.g. Deutsche mark loans to German residents booked at the German branch of the reporting U.S. bank).)

COUNTRY	CLAIMS		Bank borrowers	Private nonbank borrowers	COUNTRY	CLAIMS		Bank borrowers	Private nonbank borrowers
	Total <sup>1</sup>	Per-cent short-term <sup>2</sup>				Total <sup>1</sup>	Per-cent short-term <sup>2</sup>		
<b>Total <sup>3</sup></b>	<b>276,639</b>	<b>65</b>	<b>136,164</b>	<b>66,864</b>	<b>Japan</b>	<b>17,133</b>	<b>65</b>	<b>11,097</b>	<b>5,572</b>
Algeria	846	20	417	59	Jordan	154	56	37	10
Argentina	8,524	37	1,080	1,806	Kuwait	866	85	703	179
Australia	3,956	55	901	2,613	Liberia	648	49	5	613
Austria	1,650	65	1,228	83	Macao	134	79	83	41
Bahamas, The	4,157	95	3,921	202	Malaysia	741	38	118	301
Bahrain	1,139	99	1,053	59	Mexico	23,654	24	2,985	6,140
Belgium-Luxembourg	7,915	92	6,437	699	Morocco	892	71	412	10
Bermuda	394	69	20	347	Netherlands	2,650	77	1,348	1,108
Brazil	22,404	43	5,406	3,006	Netherlands Antilles	1,042	60	156	879
British West Indies	8,485	97	8,225	163	New Zealand	1,317	52	229	785
Cameroon	155	42	16	99	Nigeria	903	67	306	50
Canada	9,526	66	3,163	4,719	Norway	2,832	54	863	1,766
Chile	6,459	40	1,818	697	Pakistan	195	60	48	59
China:					Panama	2,191	66	649	1,169
Mainland	491	59	120	59	Peru	1,344	74	221	231
Taiwan	2,990	67	1,614	1,095	Philippines	5,107	42	506	1,048
Colombia	2,148	41	511	433	Poland	469	21	90	-
Costa Rica	418	40	12	31	Portugal	658	49	239	30
Denmark	2,897	52	901	1,014	Romania	140	34	33	-
Dominican Republic	427	44	19	44	Saudi Arabia	1,206	74	420	786
East Germany	282	56	117	46	Singapore	6,731	94	5,829	796
Ecuador	2,170	43	166	111	South Africa	2,957	84	1,699	740
Egypt	651	68	475	86	South Korea	5,997	62	2,669	2,017
El Salvador	121	64	87	25	Soviet Union	95	74	33	4
Finland	1,300	61	626	258	Spain	2,393	53	1,056	597
France	8,417	84	6,581	620	Sri Lanka	159	54	53	6
Greece	2,389	36	147	1,455	Sweden	2,432	85	1,676	319
Honduras	174	69	22	35	Switzerland	3,918	86	2,359	1,459
Hong Kong	7,364	67	4,958	2,351	Thailand	1,114	72	593	415
Hungary	346	62	44	44	Trinidad and Tobago	182	51	-	-
Iceland	204	51	36	35	Tunisia	156	47	40	19
India	999	67	395	407	Turkey	2,074	61	472	166
Indonesia	2,155	55	150	1,253	United Arab Emirates	399	89	257	106
Iraq	309	72	183	3	United Kingdom	40,890	67	30,323	9,439
Ireland	1,256	46	325	177	Uruguay	829	23	24	90
Israel	1,496	68	1,095	156	Venezuela	9,112	55	1,696	1,856
Italy	7,306	73	5,034	764	West Germany	4,830	62	1,755	1,787
Ivory Coast	365	33	15	59	Yugoslavia	2,065	29	636	52
Jamaica	205	49	7	15					

- Represents zero. <sup>1</sup> Includes public borrowers, not shown separately. <sup>2</sup> Maturity, one year or less. <sup>3</sup> Includes countries not shown separately.

Source: Board of Governors of the Federal Reserve System, Federal Financial Institutions Examination Council, statistical release.

## NO. 786. SAVINGS INSTITUTIONS—FINANCIAL SUMMARY BY TYPE: 1970 TO 1986

(In billions of dollars, except number of institutions. As of December 31. Includes Puerto Rico and Guam. FSUC—Federal Savings and Loan Insurance Corporation. FDIC—Federal Deposit Insurance Corporation. See also *Historical Statistics, Colonial Times to 1970*, series X834-844.)

TYPE OF INSTITUTION	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>NUMBER OF INSTITUTIONS</b>									
Savings institutions, total	5,182	5,488	5,878	4,748	4,248	4,038	3,878	3,948	(NA)
Savings and loan associations	5,088	4,931	4,613	4,292	3,828	3,502	3,393	3,187	3,078
FSUC-insured	4,386	4,078	4,002	3,778	3,343	3,040	2,938	2,907	2,811
State insured and non-insured	1,304	853	611	513	483	482	455	280	287
Savings banks	493	476	483	454	423	534	585	743	(NA)
FSUC-insured	(X)	(X)	3	6	8	143	188	338	408
FDIC-insured	328	328	323	331	315	284	291	382	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	18	24	28	(NA)
State chartered	328	328	323	331	315	278	287	384	(NA)
State insured and non-insured	185	147	137	117	102	97	95	12	(NA)
FSUC-insured institutions	4,386	4,078	4,002	3,785	3,348	3,183	3,135	3,248	3,220
FDIC-insured institutions	328	328	323	331	316	284	291	382	(NA)
State insured and non-insured	1,489	1,000	748	630	585	588	551	302	(NA)
<b>ASSETS</b>									
Savings institutions, total	258.3	488.4	788.8	848.1	882.2	1,034.8	1,308.1	1,218.4	(NA)
Savings and loan associations	178.1	338.3	628.8	864.2	707.8	773.4	903.5	948.8	883.3
FSUC-insured	170.6	330.3	618.5	851.1	692.7	754.2	880.0	898.1	953.8
State insured and non-insured	5.5	8.0	11.2	13.1	15.1	18.2	23.5	10.7	8.7
Savings banks	79.2	121.1	188.8	184.9	184.4	280.8	304.6	388.8	(NA)
FSUC-insured	(X)	(X)	2.2	7.5	6.9	85.0	88.4	131.8	210.5
FDIC-insured	68.7	107.3	152.6	156.1	155.3	170.7	178.1	205.4	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	38.7	43.5	48.0	(NA)
State chartered	68.7	107.3	152.6	156.1	155.3	134.0	135.8	157.4	(NA)
State insured and non-insured	10.5	13.8	12.0	21.3	22.2	24.8	27.1	28.6	(NA)
FSUC-insured institutions	170.6	330.3	620.8	858.5	699.5	819.2	978.5	1,080.4	1,184.1
FDIC-insured institutions	68.7	107.3	152.6	156.1	155.3	170.7	178.1	205.4	(NA)
State insured and non-insured	16.0	21.8	23.2	34.4	37.3	44.1	50.8	40.3	(NA)
<b>MORTGAGE LOANS OUTSTANDING</b>									
Savings institutions, total	288.2	288.8	888.7	828.4	884.8	833.7	717.8	777.8	(NA)
Savings and loan associations	150.3	278.8	802.8	818.5	483.8	494.8	566.8	588.2	678.4
FSUC-insured	148.0	272.5	494.2	506.1	473.7	482.8	541.8	578.8	(NA)
State insured and non-insured	4.3	8.1	9.0	8.4	10.0	12.2	13.7	8.9	(NA)
Savings banks	57.9	77.2	100.9	108.9	100.9	138.9	182.8	184.4	(NA)
FSUC-insured	(X)	(X)	.7	3.7	3.4	38.7	58.9	73.0	(NA)
FDIC-insured	50.7	68.4	91.8	93.8	85.1	87.5	82.1	108.1	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	19.8	22.2	24.3	(NA)
State chartered	50.7	68.4	91.8	93.8	85.1	67.8	68.8	81.8	(NA)
State insured and non-insured	7.2	8.9	8.3	12.8	12.4	12.7	13.8	15.3	(NA)
FSUC-insured institutions	148.0	272.5	484.9	512.8	477.0	521.3	588.0	648.8	681.8
FDIC-insured institutions	50.7	68.4	91.8	93.8	85.1	87.5	82.1	108.1	(NA)
State insured and non-insured	11.8	15.0	25.0	22.0	22.4	24.8	27.3	22.2	(NA)
<b>DEPOSITS</b>									
Savings institutions, total	218.8	388.4	673.8	888.8	783.2	883.7	888.8	1,088.2	(NA)
Savings and loan associations	148.7	288.7	511.0	525.1	588.0	634.5	725.0	750.1	743.1
FSUC-insured	141.7	278.8	501.2	513.8	554.8	617.8	705.2	740.5	732.5
State insured and non-insured	5.0	7.0	9.8	11.3	13.4	16.8	18.9	9.8	8.8
Savings banks	72.1	110.6	162.5	163.8	165.2	228.3	263.5	308.2	(NA)
FSUC-insured	(X)	(X)	1.8	6.2	5.9	53.2	78.8	103.5	157.8
FDIC-insured	62.7	98.1	149.9	138.7	139.5	153.8	158.8	178.8	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	33.0	38.3	38.8	(NA)
State chartered	62.7	98.1	149.9	138.7	139.5	120.8	121.5	138.8	(NA)
State insured and non-insured	8.4	12.5	10.7	18.9	19.8	22.3	24.1	25.1	(NA)
FSUC-insured institutions	141.7	278.8	503.2	519.8	580.5	671.0	784.7	843.8	888.3
FDIC-insured institutions	62.7	98.1	149.9	138.7	139.5	153.8	158.8	178.8	(NA)
State insured and non-insured	14.4	19.5	21.1	30.2	33.2	38.8	44.0	34.8	(NA)

NA Not available. X Not applicable.

Source: U.S. Federal Home Loan Bank Board, Washington, DC, *Savings and Home Financing Source Book*, annual, and unpublished data.

### NO. 783. SAVINGS INSTITUTIONS (FSLIC-INSURED)—SELECTED FINANCIAL ITEMS AND RATIOS OF CONDITION: 1970 TO 1986

[As of Dec. 31 for assets, liabilities and net worth; calendar year for other items. Includes Puerto Rico and Guam. FSLIC—Federal Savings and Loan Insurance Corporation. Beginning 1983, includes FSLIC-insured savings and loan associations which changed to FSLIC-insured savings banks. Minus sign (—) indicates either loss or outflow]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>Assets <sup>1</sup></b>	BL. dol.	170.6	330.3	620.6	666.5	666.5	819.2	878.5	1,098.4	1,184.1
Mortgage assets	BL. dol.	146.0	272.5	484.9	512.9	477.0	521.3	589.0	649.9	681.6
Mortgage-backed securities	BL. dol.	(NA)	(NA)	27.3	33.8	62.6	90.9	106.2	110.7	151.9
Cash and securities	BL. dol.	15.6	29.9	57.0	69.3	84.4	100.9	136.6	143.1	190.1
<b>Liabilities <sup>1</sup></b>	BL. dol.	166.7	311.1	586.0	630.6	673.8	786.2	940.6	1,022.6	1,111.2
Deposit accounts	BL. dol.	141.7	278.8	503.2	519.9	560.5	671.0	784.7	843.9	880.3
F&L advances	BL. dol.	10.6	17.5	47.0	25.7	38.8	41.3	66.4	84.4	100.1
Other borrowed money	BL. dol.	.3	3.0	17.2	27.9	25.7	39.0	37.9	72.2	66.4
<b>Net worth</b>	BL. dol.	11.9	19.2	32.6	27.9	25.7	33.0	37.9	46.8	52.9
Net worth to total assets ratio	Ratio	7.0	5.8	5.2	4.2	3.7	4.0	3.9	4.4	4.5
<b>Operating income <sup>2</sup></b>	BL. dol.	10.7	23.7	59.1	65.2	71.5	80.0	100.8	110.5	111.0
Operating expenses <sup>2</sup>	BL. dol.	1.9	3.9	7.9	9.0	10.1	12.3	15.3	18.5	23.0
Interest on savings deposits <sup>2</sup>	BL. dol.	8.9	18.0	41.8	54.1	59.8	58.3	71.8	73.5	68.0
Interest on borrowed money <sup>2</sup>	BL. dol.	.8	1.6	5.8	8.2	11.7	8.4	12.6	14.1	15.4
Net income before taxes <sup>2</sup>	BL. dol.	1.2	2.1	1.2	-6.1	-5.9	2.8	1.9	6.0	4.3
Net income after taxes <sup>2</sup>	BL. dol.	.9	1.4	.9	-4.6	-4.3	2.0	1.1	3.9	1.1
Gross deposits receipts	BL. dol.	62.0	151.1	454.5	520.8	634.5	878.0	1,108.6	(NA)	(NA)
Savings withdrawals	BL. dol.	51.2	109.1	413.5	507.4	597.3	786.8	995.4	(NA)	(NA)
Net deposit gain	BL. dol.	10.8	42.1	41.0	13.4	37.3	110.2	111.2	64.9	49.7
Net new deposits received	BL. dol.	5.3	29.3	10.7	25.4	-6.4	63.2	68.9	-1.6	-3.7
Mortgage loans closed <sup>3</sup>	BL. dol.	(NA)	(NA)	85.2	82.0	80.5	151.1	181.3	198.7	286.5
Purchase of 1-to-4 family homes	BL. dol.	(NA)	(NA)	80.0	41.3	34.2	83.8	95.7	107.9	175.9
Average cost of funds	Percent	5.30	6.32	8.94	10.92	11.39	9.83	10.09	9.20	8.06
Average effective dividend rate paid	Percent	5.14	6.21	6.78	10.71	11.19	9.71	9.93	9.03	7.84
Average interest return on mortgages	Percent	6.58	7.71	9.34	9.91	10.68	11.17	11.86	11.53	10.66
Net after taxes income to average assets	Percent	.57	.47	.13	-73	-86	.27	.13	.39	.09

NA: Not available. <sup>1</sup> Includes other items, not shown separately. <sup>2</sup> Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. <sup>3</sup> Reported on a gross basis including refinancing and combination construction-purchase loan.

Source: Except as noted, U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

### NO. 787. FEDERAL AND STATE-CHARTERED CREDIT UNIONS—SUMMARY: 1970 TO 1986

[As of December 31. Federal data include District of Columbia, Puerto Rico, Canal Zone, Guam, and Virgin Islands. Beginning 1983, State data cover only federally insured State-chartered credit unions. Beginning 1981, data exclude corporate central credit unions which have mainly other credit unions as members. See also *Historical Statistics, Colonial Times to 1870*, series X 864-876]

YEAR	CREDIT UNIONS REPORTING <sup>1</sup>		MEMBERS (1,000)		ASSETS (mil. dol.)		LOANS OUTSTANDING (mil. dol.)		SAVINGS (mil. dol.)	
	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State
1970	12,977	10,679	11,966	10,853	8,861	9,089	6,989	7,137	7,629	7,857
1975	12,737	9,671	17,066	14,196	20,209	17,804	14,899	13,900	17,530	15,522
1980	12,440	9,025	24,519	19,236	40,092	33,143	26,350	22,633	36,263	29,460
1981	11,951	8,748	25,449	19,620	36,181	32,596	27,238	23,156	35,248	28,971
1982	11,426	8,484	26,105	20,393	45,494	36,886	28,182	23,454	41,352	33,236
1983	10,962	4,915	26,798	14,276	54,482	27,479	33,201	17,216	49,889	24,850
1984	10,548	4,845	28,170	15,206	63,857	29,188	42,132	19,961	57,927	26,327
1985	10,125	4,920	29,578	15,689	78,205	41,525	48,841	26,168	71,616	37,917
1986	9,758	4,935	31,046	17,363	95,484	52,244	55,305	30,634	87,954	48,097

<sup>1</sup> Represents operating credit unions.

Source: National Credit Union Administration, *Annual Report of the National Credit Union Administration*, and unpublished data.



### NO. 785. SAVINGS INSTITUTIONS (FSLIC-INSURED)—SELECTED FINANCIAL ITEMS, STATES AND OTHER AREAS: 1985

(In millions of dollars, except number of institutions. As of December 31. Covers savings and loan associations and savings banks. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	Number of institutions	Total assets	Mortgage loans outstanding <sup>1</sup>	Deposits	DIVISION AND STATE OR OTHER AREAS	Number of institutions	Total assets	Mortgage loans outstanding <sup>1</sup>	Deposits
<b>Total</b>	<b>3,239</b>	<b>1,183,963</b>	<b>813,782</b>	<b>886,863</b>	<b>So. Atl.—Con.</b>				
<b>U.S.</b>	<b>3,208</b>	<b>1,168,316</b>	<b>811,216</b>	<b>887,264</b>	MD	95	18,970	13,820	15,703
<b>Region:</b>					DC	6	4,288	2,472	2,612
Northeast	492	161,936	110,908	128,372	VA	88	22,829	16,166	18,259
Midwest	1,017	258,801	181,831	201,900	WV	16	2,112	1,430	1,860
South	1,281	339,852	227,718	278,277	NC	139	19,332	14,241	16,267
West	418	397,727	290,861	280,715	SC	40	10,399	7,238	8,367
<b>N. Eng.</b>	<b>96</b>	<b>25,324</b>	<b>17,849</b>	<b>18,389</b>	GA	67	16,168	11,786	13,220
ME	15	1,218	773	864	FL	149	62,952	54,465	64,127
NH	12	1,003	1,253	1,454	<b>E. So. Cent.</b>	<b>213</b>	<b>31,396</b>	<b>21,168</b>	<b>26,172</b>
VT	4	426	307	319	KY	67	7,201	6,126	6,287
MA	33	7,030	4,991	5,387	TN	64	10,625	7,120	8,942
RI	3	3,582	1,993	2,571	AL	37	8,586	6,086	6,787
CT	31	11,253	6,532	7,774	MS	45	4,813	2,808	4,176
<b>Mid Atl.</b>	<b>394</b>	<b>136,612</b>	<b>93,069</b>	<b>110,893</b>	<b>W. So. Cent.</b>	<b>475</b>	<b>131,164</b>	<b>83,906</b>	<b>106,086</b>
NY	86	48,311	30,935	36,726	AR	39	8,248	4,844	7,234
NJ	139	50,181	36,060	39,876	LA	102	15,544	10,456	12,804
PA	169	36,110	26,044	31,397	OK	63	10,094	6,912	8,810
<b>E. No. Cent.</b>	<b>744</b>	<b>189,443</b>	<b>128,012</b>	<b>143,942</b>	TX	281	97,278	61,863	80,347
OH	232	51,743	36,076	43,015	<b>Mid.</b>	<b>129</b>	<b>57,425</b>	<b>36,882</b>	<b>41,879</b>
IN	115	12,748	9,094	11,181	MT	11	1,207	846	1,023
IL	267	65,335	44,953	54,991	ID	9	1,532	872	1,184
MI	51	34,814	24,866	21,064	WY	11	1,295	817	1,148
WI	79	15,806	11,225	13,711	CO	26	15,907	11,896	11,468
<b>W. No. Cent.</b>	<b>373</b>	<b>78,568</b>	<b>55,919</b>	<b>57,568</b>	NM	25	5,874	3,493	4,508
MN	37	18,069	9,822	10,596	AZ	14	21,511	13,780	14,617
IA	52	9,133	6,649	7,603	UT	14	5,838	4,045	4,368
MO	65	21,863	16,137	17,740	NV	7	4,162	2,273	2,793
ND	6	3,930	2,626	2,486	<b>Pac.</b>	<b>399</b>	<b>340,391</b>	<b>282,486</b>	<b>239,689</b>
SD	12	1,368	811	1,273	WA	43	17,118	12,904	11,513
NE	23	9,062	6,623	6,029	OR	20	9,659	6,482	6,675
KS	58	16,663	13,251	12,031	CA	218	309,304	230,257	218,123
<b>So. Atl.</b>	<b>889</b>	<b>177,483</b>	<b>123,861</b>	<b>141,816</b>	AK	4	551	397	399
DE	4	353	238	292	HI	6	3,889	2,619	2,719
					PR	10	5,580	2,607	3,231
					GU	2	87	59	88

<sup>1</sup> Includes mortgage-backed securities and reflects deductions from asset accounts.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

### NO. 786. FINANCE COMPANIES—ASSETS AND LIABILITIES: 1975 TO 1985

(In millions of dollars, except number of companies. As of June 30. Finance companies include Morris Plan companies and companies whose largest portion of assets is in one or more of the following kinds of receivables—sales finance receivables, personal cash loans to individuals and families, short and intermediate-term business receivables, and junior liens on real estate. For 1985 based on a stratified random sample of 317 companies)

ITEM	1975	1980	1985	ITEM	1975	1980	1985
Number of companies	3,376	2,775	1,738	<b>Assets—Con.</b>			
Total assets, net	88,716	175,026	298,707	Less: Reserves for unearned income	7,084	21,251	36,757
Total receivables, gross	85,894	163,341	304,286	Less: Reserves for losses	1,623	2,961	4,741
Consumer receivables	40,814	77,260	117,647	Total receivables, net	76,687	159,108	263,788
Retail passenger car paper	9,938	27,118	59,130	Other assets	12,029	15,917	28,918
Mobile homes	3,461	4,832	9,281	<b>Total liabilities, capital, and surplus</b>	<b>88,716</b>	<b>175,026</b>	<b>298,707</b>
Retail consumer goods	12,647	22,702	30,733	Loans and notes payable to banks	6,917	15,458	17,288
Personal cash loans	14,769	22,609	16,502	Commercial paper	25,905	52,328	90,432
Business receivables	39,286	66,067	147,330	Other short-term paper	7,408	10,827	(na)
Wholesale paper	10,945	21,741	32,517	Other long-term paper	29,013	52,898	(na)
Retail paper	11,067	26,318	40,314	Debt due to parent	(na)	(na)	14,440
Lease paper	8,085	23,261	51,484	Debt not elsewhere classified	(na)	(na)	92,463
Other business credit	9,208	14,747	23,015	Other liabilities	3,823	18,363	38,339
Real estate loans	1,946	11,831	25,876	Capital, surplus, undivided profits	13,951	25,350	37,717
Other receivables	3,948	9,183	13,433				

NA Not available.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1976 and May 1981 issues, and unpublished data.

**NO. 780. HOLDINGS OF CONSTRUCTION, LONG-TERM MORTGAGE, AND LAND LOANS, BY TYPE OF LOAN, 1970 TO 1986, AND BY LENDER, 1986**

[In billions of dollars. As of and of year]

TYPE OF LOAN	1970	1970	1983	1983	1984	1985	1986						
							Total <sup>1</sup>	Lender					
								Sav- ings and loan assn.	Com- mercial banks	Mutual sav- ings banks	Life insur- ance compe- nies	Feder- al credit agen- cies	Mort- gage pools
<b>Mortgage credits, total .....</b>	<b>422</b>	<b>731</b>	<b>1,318</b>	<b>1,612</b>	<b>1,897</b>	<b>2,089</b>	<b>2,373</b>	<b>667</b>	<b>498</b>	<b>98</b>	<b>198</b>	<b>175</b>	<b>563</b>
Construction loans.....	18	41	83	110	146	152	173	41	107	5	1	1	-
1-4 unit family homes.....	5	13	26	33	39	34	36	13	19	1	(Z)	-	-
Multifamily residential.....	6	12	14	23	26	26	37	10	13	1	(Z)	1	-
Nonresidential.....	7	17	22	54	81	90	100	17	74	2	1	-	-
Farm properties.....	(Z)	-	-	-	-	-	-	-	-	-	-	-	-
Long-term mortgage loans.....	400	679	1,242	1,484	1,711	1,872	2,180	606	374	90	189	174	553
1-4 unit family homes.....	267	435	857	1,020	1,183	1,294	1,507	458	212	85	13	108	533
FHA insured.....	62	68	105	145	155	178	221	8	7	5	2	11	168
VA guaranteed.....	37	57	91	114	120	127	135	11	4	6	1	6	98
Conventional.....	168	310	661	760	908	991	1,151	439	201	54	9	91	267
Multifamily.....	46	82	114	124	146	161	190	68	15	10	20	25	11
Nonresidential.....	68	128	205	258	299	338	393	78	134	15	145	6	(Z)
Farm properties.....	20	34	68	83	84	79	70	1	13	-	11	35	9
and loans.....	4	11	13	18	29	36	40	20	17	(Z)	1	-	-

- Represents zero. Z Less than \$500 million. <sup>1</sup> Includes other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1979*; and monthly and quarterly press releases based on Survey of Mortgage Lending Activity.

**NO. 791. MORTGAGE ACTIVITY OF BANKS, INSURANCE COMPANIES, AND SAVINGS AND LOAN ASSOCIATIONS: 1970 TO 1986**

[In billions of dollars. Loans outstanding are as of and of year. Bank and savings and loan data include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series N 266-267, X 836-839, and X 911]

ITEM	1970	1975	1970	1979	1983	1981	1983	1983	1984	1983	1986
<b>Commercial banks:</b>											
Loans outstanding <sup>1</sup> .....	73.3	136.2	212.7	243.8	262.3	282.7	299.0	328.0	374.8	425.3	497.9
Nonfarm residential.....	45.6	82.9	136.3	158.1	170.2	181.7	185.5	196.2	212.9	229.1	259.7
FHA-insured.....	7.9	6.3	5.2	4.8	4.4	4.5	4.6	5.6	5.8	5.7	7.0
VA-guaranteed.....	2.6	3.1	2.8	2.7	2.4	2.4	2.7	3.1	3.0	3.3	4.1
Conventional.....	35.1	73.5	128.3	150.6	163.3	174.7	178.2	167.5	204.1	220.1	248.6
Other nonfarm.....	23.3	46.9	68.0	77.1	83.5	92.7	105.1	122.4	151.3	184.8	225.4
Farm.....	4.4	6.4	8.5	8.6	8.5	8.3	8.4	9.3	10.5	11.4	12.8
<b>Mutual savings banks:</b>											
Loans acquired <sup>2</sup> .....	6.1	8.9	15.5	14.0	8.2	5.6	7.0	17.3	21.3	11.0	31.1
Loans outstanding <sup>2</sup> .....	57.9	77.2	94.4	99.7	100.1	99.3	97.1	99.5	106.4	81.8	95.8
Nonfarm residential.....	49.9	63.8	78.5	83.7	83.9	83.4	81.6	83.8	88.7	67.6	78.0
FHA-insured.....	16.1	14.4	13.8	13.8	13.2	12.5	11.7	10.7	9.5	7.0	6.1
VA-guaranteed.....	12.0	12.4	11.9	11.4	10.8	10.3	9.7	8.8	7.9	6.9	5.8
Conventional.....	21.8	37.0	52.9	58.5	59.9	60.6	60.2	64.3	71.4	53.7	66.1
Other nonfarm.....	7.9	13.3	15.9	16.0	16.1	15.8	15.5	15.7	17.7	14.2	17.8
<b>Life insurance companies:</b>											
Loans acquired <sup>2</sup> .....	6.6	8.8	16.9	19.6	18.3	13.0	10.0	18.8	19.2	31.7	40.6
Nonfarm.....	6.3	7.7	14.2	16.8	16.5	11.8	9.3	17.6	18.2	30.6	39.4
Farm.....	.3	1.1	2.7	2.8	1.8	1.2	.7	1.2	1.0	1.1	1.2
Loans outstanding.....	74.4	69.2	102.9	115.1	127.9	135.6	138.5	148.4	154.5	167.9	190.4
Nonfarm.....	68.7	82.4	92.4	103.0	115.0	122.5	125.7	135.7	142.1	156.1	179.4
FHA-insured.....	11.4	7.9	6.1	5.8	5.5	5.1	4.6	4.4	4.1	3.2	2.7
VA-guaranteed.....	5.4	3.9	3.2	3.0	2.8	2.6	2.5	2.3	2.0	1.5	1.2
Conventional.....	51.9	70.6	83.1	94.2	106.7	114.8	116.4	129.0	136.0	151.4	175.5
Farm.....	5.6	6.8	10.5	12.2	12.8	13.1	12.8	12.7	12.4	11.8	11.0
<b>Savings and loan associations:</b>											
Loans acquired <sup>2</sup> <sup>4</sup> .....	22.0	58.3	112.8	104.6	81.7	58.5	67.2	148.9	194.2	210.6	269.6
Loans outstanding <sup>5</sup> .....	150.3	278.6	432.9	475.8	502.8	517.9	492.2	512.9	841.4	658.2	667.0
FHA-insured.....	10.2	16.5	13.2	13.0	12.6	12.0	12.1	12.8	12.3	11.1	8.8
VA-guaranteed.....	8.5	14.0	15.8	15.6	15.0	14.2	14.0	15.5	15.0	13.7	11.1
Conventional.....	131.7	248.0	403.9	447.2	475.0	491.7	466.1	484.6	614.1	633.4	647.1

<sup>1</sup> Includes loans held by nondeposit trust companies, excludes holdings of trust departments of commercial banks.

<sup>2</sup> Mortgage loans on all types of property acquired either by origination or purchase. Long term loans only, excluding construction and land loans. <sup>3</sup> Includes a small amount of farm loans not shown separately. <sup>4</sup> Includes Guam. <sup>5</sup> Includes shares pledged against mortgage loans, junior liens and real estate sold on contract.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1979*; and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

## NO. 792. PURCHASES AND SALES OF MORTGAGE LOANS, BY LENDER: 1970 TO 1986

[In millions of dollars. Covers all types of property]

YEAR	Total	Savings associations <sup>1</sup>	Savings banks	Commercial banks	Mortgage companies	Federal credit agencies	Mortgage pools	Other
<b>Purchases:</b>								
1970	16,405	3,694	1,806	916	90	5,667	2,729	1,612
1975	38,894	8,471	1,751	431	620	12,528	12,829	1,778
1980	78,144	13,180	1,212	4,802	3,445	16,333	29,355	8,708
1982	118,621	23,724	1,531	3,270	4,963	20,021	59,329	5,793
1983	169,856	44,986	2,746	5,107	13,174	26,923	89,122	8,919
1984	190,178	84,623	3,175	8,133	11,205	28,785	66,216	8,037
1985	257,674	84,962	2,934	11,953	20,944	32,953	114,294	9,804
1986	471,294	71,355	3,593	32,139	55,230	39,530	289,435	9,105
<b>Sales:</b>								
1970	18,533	880	283	1,895	12,508	2,567	331	292
1975	35,290	5,234	289	3,368	16,324	8,664	671	512
1980	77,129	16,140	782	6,403	36,967	10,463	4,056	285
1982	113,289	54,446	2,218	6,208	30,663	12,697	4,321	415
1983	163,410	54,194	3,211	15,418	70,362	13,674	5,410	1,140
1984	158,708	64,087	3,374	13,610	58,571	12,244	6,044	2,789
1985	224,262	103,217	6,001	18,173	78,096	7,980	5,535	4,367
1986	364,093	184,566	15,462	31,581	162,800	15,943	1,422	2,280

<sup>1</sup> Includes Federal savings banks insured by the Federal Savings and Loan Insurance Corporation.Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. Data from U.S. Department of Housing and Urban Development.

## NO. 793. MORTGAGE DEBT OUTSTANDING: 1970 TO 1986

[In billions of dollars. As of Dec. 31. Includes Puerto Rico and Guam. See also *Historical Statistics, Colonial Times to 1970*, series N 273 and N 276]

TYPE OF PROPERTY AND HOLDER	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
<b>Mortgage debt, total</b>	<b>474</b>	<b>769</b>	<b>1,162</b>	<b>1,327</b>	<b>1,468</b>	<b>1,563</b>	<b>1,639</b>	<b>1,813</b>	<b>2,034</b>	<b>2,367</b>	<b>2,864</b>
<b>Residential nonfarm</b>	<b>358</b>	<b>583</b>	<b>879</b>	<b>1,035</b>	<b>1,106</b>	<b>1,180</b>	<b>1,219</b>	<b>1,350</b>	<b>1,518</b>	<b>1,661</b>	<b>1,912</b>
1- to 4-family homes	297	482	754	871	984	1,036	1,074	1,189	1,316	1,467	1,686
Savings and loan associations	125	224	356	394	420	433	393	388	422	432	404
Commercial banks	42	77	129	150	160	170	174	183	196	213	236
Mutual savings banks	42	50	63	66	66	68	65	94	107	122	155
Life insurance companies	27	18	14	16	18	17	17	15	14	12	15
Federal agencies	22	36	44	53	61	66	76	87	96	110	127
Individuals and others	40	76	147	191	237	281	347	422	481	577	732
5 or more units	80	101	125	135	142	142	146	161	185	214	247
<b>Commercial</b>	<b>66</b>	<b>150</b>	<b>212</b>	<b>236</b>	<b>256</b>	<b>276</b>	<b>301</b>	<b>350</b>	<b>416</b>	<b>481</b>	<b>554</b>
<b>Farm</b>	<b>30</b>	<b>50</b>	<b>72</b>	<b>86</b>	<b>96</b>	<b>106</b>	<b>110</b>	<b>113</b>	<b>112</b>	<b>105</b>	<b>88</b>

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

## NO. 794. MORTGAGE DELINQUENCY AND FORECLOSURE RATES AND PRIVATE AND GOVERNMENT MORTGAGE INSURANCE: 1970 TO 1986

[In percent, except as indicated. Covers one- to four-family residential nonfarm homes]

YEAR	DELINQUENCY RATES <sup>1</sup>				FORECLOSURE RATES <sup>2</sup>				Claims paid by private mortgage insurers <sup>3</sup> (mil. dol.)	PRIVATE AND GOVERNMENT MORTGAGE INSURANCE OUTSTANDING <sup>4</sup>		
	Total	Conventional loans	VA loans	FHA loans	Total	Conventional loans	VA loans	FHA loans		Private (bil. dol.)	FHA/VA (bil. dol.)	Insurance as a percent of home mortgage debt
1970	3.13	1.74	3.03	3.86	.33	.06	.50	.40	(NA)	7.3	97.3	35.2
1975	4.37	2.71	4.17	5.45	.36	.16	.36	.48	(NA)	40.0	127.7	34.8
1980	4.97	3.09	5.33	6.56	.38	.17	.46	.53	58.7	105.3	195.2	31.2
1982	5.53	3.71	5.86	7.06	.67	.39	.76	.88	209.9	124.2	217.9	31.8
1983	5.59	3.89	6.09	7.07	.67	.46	.76	.84	356.8	148.0	248.8	33.4
1984	5.66	3.85	6.38	7.28	.73	.47	.82	.96	472.1	192.0	285.9	34.4
1985	5.84	4.05	6.63	7.46	.61	.61	.86	1.01	671.2	223.7	288.8	35.0
1986	5.57	3.80	6.58	7.18	.66	.69	1.14	1.22	1,219.4	230.3	(NA)	(NA)

NA: Not available. <sup>1</sup> Number of loans delinquent 30 days or more as percentage of mortgage loans serviced in survey. Annual average quarterly figures, seasonally adjusted. <sup>2</sup> Percentage of loans in the foreclosure process at year-end, not seasonally adjusted. <sup>3</sup> Source: Mortgage Insurance Companies of America, Washington, DC, unpublished data. <sup>4</sup> Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. <sup>5</sup> Preliminary.

Source: Except as noted, Mortgage Bankers Association of America, Washington, DC, *National Delinquency Survey*, quarterly.

## NO. 795. CONSUMER CREDIT OUTSTANDING: 1970 TO 1986

(In billions of dollars, except percent. Estimated amounts of credit outstanding as of end of year. Seasonally adjusted. See also *Historical Statistics, Colonial Times to 1970*, series X 551-580)

TYPE OF CREDIT	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Credit outstanding	138.4	217.4	242.0	278.8	325.0	346.4	388.1	380.1	409.6	448.5	581.5	657.8	723.6				
Ratio to disposable personal income <sup>1</sup> (percent)	19.0	18.3	18.7	19.4	20.0	20.4	18.4	17.8	17.7	18.5	20.6	22.6	23.6				
Installment	103.9	167.0	187.8	221.5	262.0	296.5	295.8	311.0	325.1	373.1	446.2	522.8	577.8				
Automobile paper	38.4	57.0	68.8	80.9	98.7	112.5	112.0	120.0	125.4	145.9	172.4	208.1	245.1				
Revolving	5.0	14.5	16.6	36.7	45.2	53.4	54.9	60.8	66.0	78.4	99.6	122.0	135.0				
Mobile home paper	2.4	15.4	15.7	16.4	16.9	18.2	18.3	19.3	21.7	23.0	24.7	25.5	25.7				
All other loans	60.2	80.2	88.6	87.5	101.1	112.4	110.7	111.3	112.0	125.9	149.5	167.2	172.1				
Commercial banks	48.6	83.0	83.6	112.1	135.6	152.7	145.6	146.0	149.1	169.3	209.2	242.1	261.6				
Finance companies	27.2	32.7	34.4	38.3	45.8	57.0	61.9	69.7	75.0	83.0	90.0	113.1	136.5				
Credit unions	12.9	25.5	30.9	37.3	44.0	46.1	43.7	45.6	46.9	53.1	65.6	72.1	77.9				
Retailers <sup>2</sup>	12.9	16.7	18.3	21.5	23.7	25.6	26.1	26.5	26.4	34.2	37.2	38.9	40.6				
Other <sup>3</sup>	2.3	9.2	10.6	12.2	13.0	15.0	16.5	21.1	24.6	33.5	44.7	56.7	61.2				
Noninstallment	35.5	50.4	54.2	57.4	63.0	70.0	73.3	79.1	84.3	96.5	115.3	134.2	145.5				
Single-payment loans	19.2	27.1	28.5	32.4	36.4	39.4	41.8	43.5	46.7	52.2	61.7	70.1	78.8				
Charge accounts	8.7	11.1	12.1	10.3	11.2	11.9	12.2	13.3	13.3	14.8	16.3	21.5	21.8				
Service credit	7.5	12.2	13.5	14.8	15.7	18.7	19.3	22.3	24.3	29.5	36.3	42.6	47.1				
Delinquency rate, bank installment loans <sup>4</sup>	2.14	2.77	2.57	2.62	2.71	2.93	2.82	2.81	2.39	1.94	2.08	2.32	2.26				

<sup>1</sup> Based on fourth quarter seasonally adjusted disposable personal income at annual rates as published by the U.S. Bureau of Economic Analysis in sources listed in table 678. <sup>2</sup> Excludes 30-day charge credit held by travel and entertainment companies.

<sup>3</sup> Comprise savings institutions and gasoline companies. <sup>4</sup> Ratio of seven types of closed-end installment loans (excluding revolving credit and bank cards) delinquent 30 days or more as a percentage of total installment loans outstanding; ratio based on number of loans. Source: American Bankers Association, Washington, DC, *Delinquency Rates on Bank Installment Loans*, quarterly.

## NO. 796. INSTALLMENT CREDIT—FINANCE RATES ON SELECTED TYPES OF CREDIT FOR COMMERCIAL BANKS AND FINANCE COMPANIES: 1975 TO 1986

(Percent per year. Annual averages. Commercial bank rates are "most common" rates for direct loans with specified maturities; finance company rates are weighted averages for purchased contracts)

TYPE	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Commercial banks:												
New automobiles (48 months) <sup>1</sup>	11.36	11.07	10.92	11.02	12.02	14.30	16.54	16.83	13.92	13.71	12.91	11.38
Mobile homes (120 months) <sup>1</sup>	11.82	11.75	11.84	12.09	12.77	14.99	17.45	18.05	15.91	15.56	14.98	13.99
Other consumer goods (24 months)	13.08	13.02	12.97	13.19	13.86	15.47	18.09	18.66	16.68	16.47	16.04	14.82
Credit-card plans	17.16	17.05	16.89	17.03	17.03	17.31	17.78	18.51	16.78	16.77	16.69	18.28
Finance companies:												
New automobiles	13.12	13.17	13.14	13.15	13.51	14.62	16.17	16.15	12.58	14.82	11.98	9.44
Used automobiles	17.83	17.63	17.62	17.67	17.98	19.10	20.00	20.75	18.74	17.65	17.50	15.95

<sup>1</sup> For 1975-1982, maturities were 36 months for new car loans and 84 months for mobile home loans.

Source of tables 795 and 796: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, *Annual Statistical Digest*, and unpublished data.

## NO. 797. MAIN CHECKING ACCOUNT FEATURES, ELECTRONIC FUND TRANSFERS, AND AUTOMATED TELLER MACHINES (ATM): 1986

(Percent of all checking accounts, except as indicated. See headline, table 790)

ITEM	Per- cent	ITEM	Per- cent
Checking accounts:		Service charge <sup>1</sup>	
Location of checking account—		Dependent only on account balance	30
Commercial bank	67	Dependent only on number of checks	31
Savings and loan	23	Dependent on both checks and account balance	24
Credit union or brokerage house	11	Flat or dependent on other factors	16
Interest and service charge payments—		Overdraft protection	43
Account receives interest only	27	Electronic fund transfers:	
Service charges only	35	Percent of families using—	
Neither interest nor service charges	26	Direct deposit	32
Both interest and service charges	12	Automatic payment	26
Balance in account kept higher to avoid fees	49	Automated teller machines:	
Interest rate dependent on balance <sup>2</sup>	74	Percent of families owning ATM access card <sup>3</sup>	46
		Percent of owners using ATM to withdraw cash	69
		Median number of ATM cash withdrawals in month <sup>4</sup>	4

<sup>1</sup> For all accounts paying interest. <sup>2</sup> For all accounts paying service charges. <sup>3</sup> For families owning at least one transaction account. <sup>4</sup> For families who used an ATM to withdraw cash during the month.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1987.

# NO. 788. MONTHLY USE OF BANKING ACCOUNTS, CREDIT CARDS, AND CASH—SUMMARY: 1964 AND 1966

[In percent, except as indicated. Families include one-person units; for definition of family, see text, section 1. Based on sample surveys of 1,865 families in 1964 and 656 families in 1966 residing in the United States. Data are subject to sampling variability; see source. For definition of median, see Guide to Tabular Presentation.]

ITEM	1964	1966	ITEM	1964	1966
Percent of families paying with—			<b>MONEY ORDER</b>		
Cash, checks and credit cards <sup>1</sup>	67	68	Percent of families using money orders	15	14
Cash and checks <sup>1</sup>	20	19	Avg. size of money order <sup>1,2</sup>	\$147	\$153
Cash and money orders	7	8	<b>SAVINGS AND MONEY MARKET ACCOUNTS</b>		
Cash only	6	7	Percent of families owning these accounts	68	69
Percent of aggregate household expenditures paid with—			Median balance <sup>1,4</sup>	\$3,107	\$2,800
Checking	52	48	Median number of withdrawals <sup>5</sup>	1	2
Savings/money market accts. <sup>3</sup>	10	8	Median size of withdrawals <sup>4,5</sup>	\$401	\$138
Credit cards	7	8	<b>CREDIT CARDS</b>		
Money orders	1	2	Percent of families—		
Cash	30	34	Owning credit cards	71	71
<b>MAIN CHECKING ACCOUNTS</b>			Using credit cards <sup>1</sup>	78	82
Percent of families owning these accounts	67	65	Revolving credit card accts. <sup>3</sup>	(NA)	49
Median account balance <sup>1,4</sup>	\$650	\$650	Median number of—		
Median number of checks <sup>5</sup>	14	14	Cards per family <sup>1</sup>	4	5
Median size of check <sup>4,5</sup>	\$78	\$85	Transactions per family <sup>5</sup>	4	5
<b>OTHER CHECKING ACCOUNTS</b>			Median amount—		
Percent of families owning these accounts	20	22	Per transaction <sup>4,5</sup>	\$33	\$35
Median account balance <sup>1,4</sup>	\$695	\$814	Charged per family <sup>4,5</sup>	\$165	\$150
Median number of checks <sup>5</sup>	8	7			
Median size of check <sup>4,5</sup>	\$130	\$86			

NA Not available. <sup>1</sup> Checks include personal checks, bank checks, automatic payments, and electronic payments.

<sup>2</sup> Money market accounts cover money market deposit accounts and money market mutual funds. <sup>3</sup> For account owners.

<sup>4</sup> In constant (1966) dollars. <sup>5</sup> For families using the account. Withdrawals are net of transfers, cash withdrawals, and investments. <sup>6</sup> For families using money orders. <sup>7</sup> For credit card owners. <sup>8</sup> For families who own bank or store credit cards.

<sup>9</sup> For families using credit cards during the month.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1967.

# NO. 789. HOUSEHOLDS OWNING INTEREST-EARNING ASSETS, BY SELECTED CHARACTERISTIC: 1964

[Excludes persons in group quarters. Based on the Survey of Income and Program Participation; see text, section 14.]

CHARACTERISTIC OF HOUSEHOLD	Number of households (1,000)	PERCENT OWNING INTEREST-EARNING FINANCIAL ASSETS										
		Total <sup>1</sup>	Held at financial institutions					Other interest-earning assets				
			Total <sup>1</sup>	Pass-book savings accounts	Money market deposit accounts	Certificates of deposit	Interest earning checking account	Total <sup>1</sup>	Money market funds	U.S. Government securities	Municipal and corporate bonds	Other assets
Total <sup>2</sup>	36,798	72.4	71.8	62.9	16.7	16.1	24.9	6.8	3.8	1.4	2.8	2.8
Age:												
Under 30 years old	25,730	65.1	64.5	58.3	7.8	7.1	20.9	4.8	2.1	.3	.6	2.1
35-44 years old	17,369	73.5	72.4	65.4	14.0	12.7	23.0	7.9	3.9	.8	1.9	2.8
45-54 years old	12,906	73.4	72.9	66.1	15.9	18.5	25.0	9.1	4.2	1.3	2.5	3.0
55-64 years old	12,820	78.7	78.0	65.0	22.3	28.2	28.1	11.5	5.4	2.0	4.4	2.4
65 years old and over	16,151	79.2	77.5	62.5	23.9	36.0	30.0	11.8	4.7	3.1	4.7	3.0
White	75,343	78.0	75.4	65.7	17.4	21.2	27.9	9.4	4.2	1.9	2.9	3.0
Black	9,509	44.4	43.8	41.8	2.8	4.2	7.2	2.1	.9	.1	.3	1.8
Hispanic <sup>3</sup>	4,162	51.1	50.6	46.9	5.0	8.3	11.9	2.0	1.1	.1	.1	.9
Education:												
Less than 12 years	24,736	58.0	57.8	50.1	9.7	18.9	14.9	3.6	1.2	.9	.7	1.6
High school, 4 years	27,484	71.5	70.9	69.0	14.0	16.6	22.0	8.2	2.2	1.0	1.8	2.3
College:												
1-3 years	17,171	78.0	77.3	68.5	14.7	18.1	27.4	6.7	3.6	1.9	2.7	2.7
4 years or more	17,439	88.9	87.7	75.5	28.2	23.8	41.1	16.7	8.9	2.8	6.7	6.3
Household net worth:												
Negative or zero	8,529	30.6	30.4	26.9	1.8	1.1	9.2	.8	.4	-	-	.3
\$1-\$4,999	13,236	51.8	51.2	47.8	1.8	2.7	11.0	1.4	.2	-	-	1.2
\$5,000-\$9,999	5,804	67.7	66.9	62.1	5.6	7.7	18.2	3.2	1.2	.2	.4	1.5
\$10,000-\$24,999	10,736	73.2	72.6	63.9	8.5	10.7	20.5	4.7	1.5	.4	.7	2.5
\$25,000-\$49,999	12,896	77.4	76.5	69.3	10.6	15.9	21.3	6.1	2.6	.8	.8	2.5
\$50,000-\$99,999	16,715	88.5	88.9	75.1	20.7	28.0	30.7	9.0	4.2	1.1	1.9	2.9
\$100,000-\$249,999	13,286	88.1	82.3	78.3	35.6	42.1	40.9	17.8	6.1	3.7	5.9	4.8
\$250,000-\$499,999	3,481	94.9	96.8	74.9	48.3	43.4	60.9	31.2	15.9	6.8	14.6	7.9
\$500,000 and over	1,854	88.1	84.2	77.6	51.1	43.8	68.9	42.1	21.8	10.3	28.1	8.9

- Represents zero. <sup>1</sup> Detail does not add to total because some households have more than one of the types of interest-earning assets specified. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

## NO. 800. MONEY STOCK AND LIQUID ASSETS: 1970 TO 1987

[In billions of dollars, except percent. As of December, except as indicated. Seasonally adjusted averages of daily figures. See *Historical Statistics, Colonial Times to 1970*, series X 410-417 for similar data.]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, Mar
M1 <sup>1</sup>	217	291	383	381	417	443	481	527	556	627	731	740						
M2	828	1,023	1,388	1,500	1,633	1,796	1,954	2,185	2,369	2,570	2,800	2,826						
M3	878	1,172	1,647	1,807	1,991	2,236	2,443	2,693	2,985	3,206	3,489	3,525						
L <sup>1</sup>	818	1,367	1,911	2,120	2,328	2,599	2,853	3,155	3,529	3,839	4,141	4,177						
Currency	49	74	98	106	117	124	134	148	159	171	184	186						
Demand deposits	166	214	253	251	265	235	236	242	246	272	306	299						
Travelers checks	1	2	4	4	4	4	5	5	5	8	8	7						
Other checkable deposits <sup>2</sup>	(2)	1	9	20	31	50	106	131	146	178	232	248						
Savings deposits	261	389	482	424	401	344	357	306	299	204	366	306						
Money market deposit accounts <sup>3</sup>	(2)	(2)	(2)	(2)	(2)	(2)	43	379	417	513	571	571						
Small denomination time deposits <sup>4</sup>	151	338	521	634	729	823	852	785	886	865	854	845						
Large denomination time deposits <sup>4</sup>	45	130	196	223	260	302	329	328	419	436	446	453						
Money market mutual funds, total <sup>5</sup>	(2)	3	10	43	77	189	236	191	230	242	292	297						
General purpose and broker/dealer <sup>6</sup>	(2)	3	6	33	62	151	165	136	168	177	206	212						
Institution only <sup>7</sup>	(2)	(2)	3	10	15	38	51	43	63	65	84	86						
Overnight repurchase agreements and Eurodollars <sup>8</sup>	1	6	20	21	26	36	36	54	56	70	77	77						
Annual percent change: <sup>9</sup>																		
M1	6.0	6.1	8.3	7.7	6.5	6.4	8.6	9.5	5.8	12.5	16.5	* 15.6						
M2	6.5	7.9	6.0	6.0	6.9	8.9	8.9	11.8	6.4	6.5	9.0	* 8.7						
M3	7.1	11.6	11.6	9.7	10.2	12.9	9.2	10.2	10.9	7.4	8.9	* 7.9						
L	6.9	10.9	12.1	10.9	9.8	11.7	8.8	10.6	11.9	8.8	7.9	* 7.1						

Z Less than \$500 million. <sup>1</sup> M1 is currency plus demand deposits plus travelers checks of nonbank issuers plus other checkable deposits at banks and thrift institutions; M2 is M1 plus overnight RPs and Eurodollars, balances of general purpose and broker/dealer money market mutual fund shares, money market deposit accounts, and savings and small time deposits at commercial banks and thrift institutions; M3 is M2 plus large time deposits and term RPs at commercial banks and thrift institutions, term Eurodollars, and balance of institutions—only money market mutual funds; and L is M3 plus other liquid assets such as savings bonds, short-term Treasury securities, bankers' acceptances, and commercial paper. <sup>2</sup> Not seasonally adjusted. <sup>3</sup> Issued in amounts of less than \$100,000. Includes retail repurchase agreements. Excludes individual retirement accounts and Keogh accounts at commercial banks and thrifts. <sup>4</sup> Issued in amounts of \$100,000 or more and are net of holdings of domestic banks, thrift institutions, the U.S. Government, money market mutual funds, and foreign banks and official institutions. <sup>5</sup> From previous year shown; for 1970, from 1965. For definition of annual percent change, see Guide to Tabular Presentation. <sup>6</sup> Change from March 1986-March 1987.

## NO. 801. BANK DEBITS AND DEPOSIT TURNOVER: 1971 TO 1986

[Debits in billions of dollars; turnover as ratio of debits to deposits. Annual averages of monthly data.]

ITEM	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Debits to:																
Demand deposits, all banks <sup>1</sup>	11.3	25.1	34.3	40.2	49.8	63.1	81.2	91.0	109.5	128.1	154.1	189.4				
Major New York City banks	4.1	9.7	13.8	15.0	18.5	25.2	34.0	38.0	47.7	57.3	70.4	91.3				
Other banks	7.3	15.4	20.4	25.2	31.3	37.8	47.2	53.0	61.8	70.8	83.7	98.1				
ATS/NOW accounts <sup>2</sup>	(NA)	(NA)	(NA)	(Z)	(Z)	2	7	1.0	1.4	1.6	1.9	2.3				
Money market deposit accounts (MMDA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	.6	.8	1.2	1.6				
Savings deposits <sup>3</sup>	(NA)	(NA)	(NA)	4	.8	7	7	7	7	.6	5	.4				
Deposit turnover:																
All banks <sup>1</sup>	64	105	129	139	163	203	266	326	380	433	497	512				
Major New York City banks	171	356	502	542	644	815	1,114	1,298	1,510	1,639	2,191	2,474				
Other banks	47	73	86	96	113	135	188	212	241	244	302	328				

NA Not available. Z Less than \$50 billion. <sup>1</sup> Represents accounts of individuals, partnerships, and corporations, and of States and political subdivisions at insured commercial banks. <sup>2</sup> Accounts authorized for negotiable orders of withdrawal (NOW) and accounts authorized for automatic transfer to demand deposits (ATS). <sup>3</sup> Excludes ATS and NOW accounts, MMDA and special club accounts, such as Christmas and vacation clubs.

## NO. 802. FEDERAL RESERVE BANK OF NEW YORK—DISCOUNT RATES: 1976 TO 1987

[Percent per year. Rates for short-term adjustment credit. For rates applicable to other types of discount window credit, see source. See also *Historical Statistics, Colonial Times to 1970*, series X 454-455.]

EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate
1976: Jan. 19	5½	1976: July 20	10	1981: May 5	14	1984: April 9	9
Nov. 22	5½	Aug. 17	10½	Nov. 2	13	Nov. 21	8½
1977: Aug. 31	5½	Sept. 19	11	Dec. 4	12	Dec. 24	8
Oct. 28	6	Oct. 6	12	1982: July 20	11½	1986: May 20	7½
1978: Jan. 9	6½	1986: Feb. 15	13	Aug. 2	11	1986: March 7	7
May 11	7	May 30	12	Aug. 16	10½	April 21	6½
July 3	7½	June 13	11	Aug. 27	10	July 11	6
Aug. 21	7½	July 28	10	Oct. 12	9½	Aug. 21	5½
Sept. 22	8	Sept. 26	11	Nov. 22	9		
Oct. 16	8½	Nov. 17	12	Dec. 15	8½	in effect, June 30, 1987	5½
Nov. 1	9½	Dec. 5	13				

<sup>1</sup> See table 803, footnote 5.

Source of tables 800-802: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.



## No. 803. MONEY MARKET INTEREST RATES AND MORTGAGE RATES: 1970 TO 1986

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series X 444-453]

TYPE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Federal funds, effective rate	7.18	5.82	5.54	7.03	11.10	13.36	16.36	12.26	9.06	10.23	8.10	6.80					
Commercial paper, 3-month <sup>1</sup>	(NA)	6.25	5.55	7.04	10.87	12.86	15.33	11.89	8.86	10.10	7.95	6.48					
Prime rate charged by banks	7.91	7.86	6.82	9.06	12.67	15.27	18.87	14.86	10.79	12.04	9.93	8.29					
Eurodollar deposits, 3-month	8.52	7.03	6.03	8.78	11.96	14.00	16.79	13.12	9.57	10.75	8.27	6.76					
Finance paper, 3-month <sup>2</sup>	7.18	6.15	5.49	7.80	10.47	11.49	14.06	11.23	8.70	9.73	7.77	6.36					
Bankers acceptances, 90-day <sup>3</sup>	7.31	6.29	5.54	8.06	10.89	12.72	15.32	11.88	8.90	10.14	7.92	6.38					
Large negotiable certificates of deposit, 3-month, secondary market	7.56	6.44	5.64	8.22	11.22	13.07	15.81	12.27	9.07	10.37	8.05	6.52					
Federal Reserve discount rate <sup>4</sup>	5½-6	6-7½	5½-6	6-9½	9½-12	10-13	12-14	8½-12	6½	8-9	7½-8	5½-7½					
U.S. Government securities: <sup>5</sup>																	
3-month Treasury bill	6.39	5.78	5.27	7.19	10.07	11.43	14.03	10.81	8.61	9.52	7.48	5.89					
6-month Treasury bill	6.51	6.09	5.59	7.86	10.08	11.37	13.80	11.07	8.73	9.78	7.85	6.09					
1-year Treasury bill	6.48	6.28	5.71	7.74	9.75	10.89	13.14	11.07	8.80	9.82	7.81	6.06					
Prime 1-year municipals <sup>6</sup>	4.35	3.91	2.91	4.15	5.34	6.25	7.92	7.88	5.29	6.05	5.12	4.39					
Home mortgages (HUD series <sup>7</sup> ):																	
FHA insured, secondary market <sup>8</sup>	9.09	8.19	8.89	9.70	10.87	13.44	16.31	15.31	13.11	13.82	12.24	9.91					
Conventional, new-home <sup>9</sup> 11	8.52	8.10	8.95	9.98	11.15	13.95	16.52	15.79	13.43	13.80	12.28	10.07					
Conventional, existing-home <sup>10</sup>	8.56	8.14	9.00	9.70	11.16	13.95	16.55	15.82	13.45	13.81	12.29	10.08					

NA: Not available. <sup>1</sup> Based on daily offering rates of dealers. <sup>2</sup> Yields are quoted on a bank-discount basis, rather than an investment yield basis (which would give a higher figure). <sup>3</sup> Placed directly; averages of daily offering rates quoted by finance companies. <sup>4</sup> Based on the most representative daily offering rates of dealers. Beginning Aug. 15, 1974, closing rates were used, and from Jan. 1, 1981, rates of top-rated banks only. <sup>5</sup> Federal Reserve Bank of New York, low and high. The discount rates for 1980 and 1981 do not include the surcharge applied to frequent borrowings by large institutions. The surcharge reached 3 percent in 1980 and 4 percent in 1981. Surcharge was eliminated in Nov. 1981. <sup>6</sup> Averages based on daily closing bid yields in secondary market, bank discount basis. <sup>7</sup> Averages based on quotations for one day each month. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Yields and Yield Spreads*. <sup>8</sup> HUD—Housing and Urban Development. <sup>9</sup> Averages based on quotations for 1 day each month as compiled by FHA. <sup>10</sup> Primary market. <sup>11</sup> Average contract rates on new commitments.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

## No. 804. SELECTED TIME DEPOSITS AND OTHER ACCOUNTS AT INSURED COMMERCIAL BANKS—DEPOSITS AND INTEREST RATES: 1983 TO 1987

[Estimates based on data collected from a sample of about 550 banks]

TYPE OF DEPOSIT	AMOUNT OUTSTANDING (mil. dol.)					AVERAGE RATE PAID (percent)				
	1983, Dec.	1984, Dec.	1985, Dec.	1986, Dec.	1987, Mar.	1983, Dec.	1984, Dec.	1985, Dec.	1986, Dec.	1987, Mar.
"Super NOW" accounts <sup>1</sup>	25,789	34,866	44,545	164,247	162,976	7.30	7.01	5.89	5.00	4.89
Money market deposit accounts <sup>2</sup>	231,593	271,160	330,077	379,908	374,842	8.38	8.10	8.71	5.19	5.12
Money market certificates <sup>3</sup>										
7-31 day	4,815	5,354	5,318	6,101	6,177	8.50	8.01	8.85	5.45	5.41
32-61 day	14,653	17,963	20,908	21,801	21,232	8.61	8.07	7.16	5.62	5.46
62-182 day	177,543	165,349	147,777	131,483	128,726	8.42	8.77	7.50	5.70	5.71
183 day-1 year	22,720	58,429	66,131	72,227	75,257	8.58	9.11	7.77	5.89	5.99
1-2½ year	43,431	60,675	81,172	83,781	84,626	10.07	9.73	8.24	6.22	6.25
2½ year or more	111,409	107,119	115,355	120,899	119,226	10.48	10.18	8.73	6.61	6.64
All IRA and Keogh Plan deposits	30,144	44,033	59,352	73,127	75,999	(NA)	(NA)	(NA)	(NA)	(NA)
Retail repurchase agreements <sup>4</sup>	1,342	1,228	1,294	1,062	1,068	6.19	7.49	6.77	5.37	5.19

NA: Not available. <sup>1</sup> Negotiable order of withdrawal accounts containing an agreement between depositor and depository such that some or all funds deposited are eligible to earn more than 5.25 percent. As of January 1, 1986 interest rate ceilings were removed from all NOW accounts. Beginning with the December 1986 data the "Super NOW" accounts category includes all NOW accounts, including those accounts which were subject to a 5.25 percent regulatory interest rate restriction prior to January 1, 1986. Estimates for NOW accounts beginning in December 1985 are based on reports of deposits. <sup>2</sup> Deposits with no minimum balance requirement and no required minimum maturity but institutions must reserve the right to require at least seven days' notice prior to withdrawal, no restrictions on depositor eligibility, or limitations on the amount of interest that may be paid; such accounts may allow up to six transfers per month, no more than three of which may be draft and may permit unlimited withdrawals by mail, messenger, or in person. Estimates based on reports of deposits. <sup>3</sup> All interest-bearing time certificates and open account time deposits with balances of less than \$100,000, including those held in IRAs and Keogh Plan deposits. <sup>4</sup> Retail repurchase agreements are in denominations of less than \$100,000 with maturities of less than 90 days that arise from the transfer of direct obligations of, or obligations fully-guaranteed as to principal and interest by, the U.S. Government or an agency thereof.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Statistical Release H6*, monthly.

## NO. 806. BOND AND STOCK YIELDS: 1970 TO 1986

year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series X 474-491]

TYPE	1970	1975	1979	1976	1980	1981	1982	1983	1984	1985	1986
constant											
10	7.29	7.49	8.29	9.72	11.56	14.44	12.92	10.45	11.99	9.94	7.07
100	7.39	7.77	8.32	9.52	11.48	14.24	13.01	10.80	12.24	10.13	7.31
1000	7.35	7.99	8.41	9.44	11.46	13.81	13.00	11.11	12.44	10.82	7.88
10000	8.89	8.19	8.48	9.33	11.39	13.72	12.92	11.34	12.48	10.97	7.85
100000	8.58	8.98	7.89	8.74	10.81	12.87	12.23	10.84	11.99	10.75	8.14
1000000	8.12	8.42	5.52	5.92	7.88	10.42	10.88	8.80	9.81	8.80	8.95
10000000	8.75	7.82	6.27	8.73	9.02	11.78	12.48	10.17	10.38	9.58	7.78
100000000											
1000000000	8.51	8.89	5.90	6.38	8.51	11.23	11.57	9.47	10.15	9.18	7.38
10000000000	8.35	7.08	8.03	8.52	8.59	11.33	11.88	9.51	10.10	8.11	7.32
100000000000	8.04	8.83	8.73	8.83	11.94	14.17	13.79	12.04	12.71	11.37	9.02
1000000000000	9.11	10.81	9.49	10.89	13.67	18.04	18.11	13.55	14.18	12.72	10.39
10000000000000	8.72	8.17	8.90	8.92	12.88	15.55	14.71	12.25	13.40	11.67	9.09
100000000000000											
1000000000000000	8.10	7.70	7.75	8.40	12.80	13.25	13.78	9.90	10.20	10.40	7.35
10000000000000000	8.00	8.00	7.96	8.36	12.40	13.00	13.99	10.55	11.80	11.80	8.05
100000000000000000	7.80	8.35	8.20	9.08	12.30	13.00	14.00	11.00	12.80	12.80	8.50
1000000000000000000	7.60	8.35	8.25	9.10	12.30	13.00	14.00	11.00	12.80	12.75	8.50
10000000000000000000	8.51	8.57	9.07	10.12	12.75	15.08	14.84	12.78	13.48	12.08	9.71
100000000000000000000	8.28	9.25	8.90	9.85	12.35	14.50	14.54	12.25	13.21	11.80	8.88
1000000000000000000000	8.77	9.39	8.84	9.80	11.48	13.22	13.88	12.08	13.07	11.84	9.85
10000000000000000000000	8.89	9.88	9.22	10.98	13.15	15.82	15.33	13.31	14.03	12.29	9.48
100000000000000000000000											
1000000000000000000000000	7.22	8.38	8.25	9.11	10.80	12.38	12.83	11.02	11.59	10.44	8.78
10000000000000000000000000	3.83	4.31	5.28	5.47	5.28	5.20	5.81	4.40	4.84	4.25	3.49
100000000000000000000000000	3.82	3.98	5.08	5.20	4.95	4.90	5.48	4.04	4.05	3.78	3.09

he more actively traded issues adjusted to constant maturities by the U.S. Treasury. \*Yields are based on as quoted by at least five dealers. \*Averages (to maturity or call) for all outstanding bonds neither due nor than 10 years, including several very low yielding "flower" bonds. \*Source: Moody's Investors Service, New Source: Standard & Poor's Corp., New York, NY, *Standard & Poor's Outlook*, weekly. \*Based on first trading only, deferred call, new issue estimate. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Spread*. \*Source: Scudder, Stevens & Clark, New York, NY, unpublished data. \*The Ass public utility expended on Jan. 17, 1984 because of a lack of appropriate issues. The average corporate does not include Ass n. 17 to Oct. 12. The Ass utility average was reinstated on Oct. 12. Thirty public utility bonds were used during the -Oct. 12, 1984. \*Covers 40 bonds for period 1970-1983. \*Covers 23 bonds for period 1970-1981, 15 , and 17 bonds for 1983. \*Yields based on 10 stocks, 4 yields. issues converted to a price equivalent to \$100 cent annual dividend before averaging.

pl as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

## 806. SALES OF STOCKS AND OPTIONS ON REGISTERED EXCHANGES: 1970 TO 1986

cludes over-the-counter trading. See also *Historical Statistics, Colonial Times to 1970*, series X 517-530]

CHANGE	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
of all sales, all ex-											
1	Bil. dol.	198	173	324	522	592	687	1,225	1,004	1,289	1,784
10	Bil. dol.	108	143	252	398	416	515	815	815	1,024	1,451
100	Bil. dol.	15	8	27	47	40	34	48	32	38	63
1000	Bil. dol.	5	7	12	21	25	35	60	82	79	102
10000	Bil. dol.	5	8	14	28	22	32	39	35	38	56
100000	Bil. dol.	5	5	9	13	13	21	31	31	40	55
1000000	Bil. dol.	3	5	7	11	11	14	20	19	23	35
DOCS *											
1 exchanges *	Million	4,539	6,226	10,850	15,488	15,910	22,414	30,146	30,456	37,046	48,229
10	Million	3,213	5,056	8,675	12,390	12,843	18,211	24,253	25,150	30,222	39,150
100	Million	879	541	1,181	1,559	1,472	1,550	2,209	1,584	2,115	2,999
1000	Million	148	252	382	598	735	1,144	1,852	1,843	2,274	2,784
10000	Million	185	199	355	435	457	810	1,070	1,008	1,352	1,750
100000	Bil. dol.	131	157	300	478	491	603	957	951	1,200	1,702
1000000	Bil. dol.	103	134	251	398	416	514	815	814	1,023	1,448
10000000	Bil. dol.	14	8	21	35	28	20	31	21	26	43
100000000	Bil. dol.	5	7	12	21	25	35	60	82	79	102
1000000000	Bil. dol.	5	5	8	11	11	18	27	28	37	51
10000000000											
100000000000	Million	(NA)	18	89	97	109	137	149	197	233	289
1000000000000	Million	(NA)	14	35	53	56	78	82	123	149	180
10000000000000	Million	(NA)	4	19	29	35	39	39	40	49	65
100000000000000											
1000000000000000	Bil. dol.	(NA)	5.4	23.2	45.8	41.7	53.7	64.2	53.0	59.1	87.9
10000000000000000	Bil. dol.	(NA)	6.3	13.8	27.9	22.4	32.3	39.4	34.9	38.4	55.9
100000000000000000	Bil. dol.	(NA)	(NA)	6.4	12.5	13.8	14.3	15.8	10.5	11.6	19.0
1000000000000000000											
10000000000000000000	Million	(NA)	3	2.5	4.9	7.4	8.2	13.8	11.9	8.9	14.5
100000000000000000000	Bil. dol.	(NA)	1.3	10.8	20.4	34.6	37.1	65.1	55.6	49.2	72.8

to zero. NA Not available. \* Includes market value of rights and warrants and, through 1975, bond sales. value of options exercised. \* Includes other registered exchanges, not shown separately. \* Includes voting s, American Depository Receipts, and certificate of deposit for stocks. \* Includes non-equity options as of

## NO. 807. SECURITY PRICES: 1970 TO 1986

[Annual averages of monthly figures, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series X 482-490]

CLASS OR ITEM	1970	1975	1979	1985	1981	1982	1983	1984	1985	1986
<b>Bond prices (dollars per \$100 bond):</b>										
Standard & Poor's Municipal <sup>1</sup>	72.3	86.9	73.4	57.4	49.2	41.8	51.4	48.0	53.0	65.1
Dow Jones and Co., Inc. <sup>2</sup>										
Yearly high	89.7	89.7	89.1	78.8	65.8	71.5	77.8	72.9	83.7	83.7
Yearly low	64.4	66.2	73.4	61.0	55.0	55.7	59.4	64.8	72.3	83.7
<b>Stock prices:</b>										
Standard & Poor's common index (500 stocks) (1941-43=10) <sup>3</sup>	83.2	86.2	103.0	118.7	128.0	119.7	180.4	180.5	186.8	236.3
Industrial	81.3	85.8	114.8	134.5	144.9	133.6	180.5	181.3	207.8	282.2
N.Y. Stock Exchange common stock index (Dec. 31, 1985=50):										
Composite	45.7	45.7	58.3	68.1	74.0	69.9	92.8	92.5	108.1	126.0
Yearly high <sup>4</sup>	52.4	51.2	63.4	81.0	79.1	82.4	98.5	95.1	121.8	141.2
Yearly low <sup>4</sup>	37.7	37.1	53.9	55.3	65.0	58.8	79.8	85.1	94.5	117.8
Industrial	44.0	50.5	64.8	76.8	85.4	78.2	107.5	108.0	123.9	155.9
Transportation	32.1	31.1	47.3	60.5	72.6	60.4	88.4	85.8	104.1	119.9
Utility	37.2	31.5	38.2	37.3	38.9	39.8	47.0	48.4	56.9	71.4
Finance	54.8	47.1	61.4	64.3	73.5	72.0	95.3	99.3	114.2	147.2
American Stock Exchange Market Value Index (Aug. 31, 1973=50)	48.3	41.8	87.8	150.6	171.8	141.3	216.5	208.0	229.1	284.4
NASDAQ OTC composite <sup>5</sup>	(NA)	77.8	151.1	202.3	195.9	232.4	278.5	247.4	324.9	348.9
Industrial	(NA)	81.0	175.2	281.4	229.3	273.6	323.7	280.7	330.2	348.3
Insurance	(NA)	80.9	182.0	188.5	194.3	228.4	257.8	283.1	382.1	404.1
Banks	(NA)	72.4	108.2	118.4	143.1	158.4	203.8	229.9	311.1	412.5
Dow Jones and Co., Inc., total (85 stocks) <sup>6</sup>	243.9	247.3	293.5	328.2	364.8	345.4	472.2	483.1	541.6	702.5
Industrial (30 stocks)	753.2	802.8	844.4	891.4	932.9	884.4	1,190.3	1,178.5	1,328.2	1,782.8
Transportation (20 stocks)	152.4	163.4	237.8	307.2	398.5	359.8	544.8	513.8	645.1	785.4
Public utility (15 stocks)	108.8	79.8	104.6	119.8	108.6	112.0	130.0	131.8	157.8	185.2
Whitire 5000 equity index <sup>7</sup> (Dec. 31, 1980=1404.588)	890.3	783.8	1,028.9	1,220.7	1,343.7	1,233.7	1,691.5	1,644.6	1,823.8	2,418.0
Standard & Poor's										
Dividend-price ratio (percent)	3.83	4.31	5.47	5.26	5.20	5.51	4.40	4.54	4.25	3.48
Earnings-price ratio (percent)	6.45	9.14	13.48	12.80	11.87	11.30	8.02	10.02	8.04	6.10

NA Not available.

<sup>1</sup> Derived from average yields on basis of assumed 4 percent, 20-year bond Wednesday closing prices. <sup>2</sup> Source: Dow Jones and Co., Inc., New York, NY. Effective June 30, 1976, the Dow Jones averages of 20 income railroad bonds were discontinued. With the dropping of the rail averages, which had been part of the Dow-Jones 40-bond average, the 40-bond average became a 20-bond average consisting of 10 utility bonds and 10 industrial bonds. <sup>3</sup> Effective July 1976, the index includes 400 industrial stocks (formerly 425), 20 transportation (formerly 15 rail), 40 public utility (formerly 60), and 40 financial stocks, not previously covered. <sup>4</sup> Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual. <sup>5</sup> Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual. OTC=over-the-counter. <sup>6</sup> Source: U.S. Bureau of Economic Analysis. Based on stocks listed on the New York Stock Exchange. <sup>7</sup> Represents return on the market value of all common equity securities for which daily pricing is available. For 1970-1979, annual average of end of month figures; thereafter, annual average of daily figures. Source: Whitire Associates, Santa Monica, CA, releases. <sup>8</sup> Represents Dec. 31, 1970.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

## NO. 808. VOLUME OF TRADING ON NEW YORK STOCK EXCHANGE: 1970 TO 1986

[Round lot: A unit of trading or a multiple thereof. On the NYSE the unit of trading is generally 100 shares in stocks. For some inactive stocks, the unit of trading is 10 shares. Odd lot: An amount of stock less than the established 100-share unit or 10-share unit of trading]

ITEM	Unit	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
Shares traded	Million	3,124	4,539	7,371	8,338	11,582	12,048	16,888	21,846	23,306	27,774	36,989
Round lots	Million	2,937	4,083	7,205	8,158	11,352	11,854	16,456	21,580	23,071	27,511	35,880
Average daily shares	Million	11.5	18.6	28.6	32.2	44.9	46.9	65.1	65.3	91.2	109.2	141.0
High day	Million	21.3	35.2	68.4	81.8	84.3	92.9	149.4	129.4	236.6	181.0	244.9
Low day	Million	6.7	8.7	7.6	18.3	16.1	23.9	36.6	53.0	46.4	62.1	48.9
By size: <sup>1</sup>												
At 100-900 shares	Percent	(NA)	42.1	50.2	27.5	24.7	21.1	18.2	14.6	11.3	10.6	10.9
At 1,000-4,900 shares	Percent	(NA)	31.4	33.9	33.7	32.2	31.0	28.5	26.7	25.1	24.1	25.7
At 5,000-9,900 shares	Percent	(NA)	8.7	10.9	11.4	11.4	12.1	12.8	12.7	13.6	13.8	13.9
At 10,000 shares over <sup>2</sup>	Percent	(NA)	17.9	25.0	27.4	31.7	35.8	42.5	46.0	49.8	51.5	49.6
Odd lots	Million	186	146	166	180	208	198	211	256	236	283	329
Value of shares traded	Bill. dol.	102.5	131.7	205.6	244.5	382.4	396.1	495.1	775.3	773.4	986.5	1,288.9
Round lots	Bill. dol.	95.3	126.7	189.9	238.2	374.9	389.2	488.4	765.3	764.7	970.5	1,274.3
Odd lots	Bill. dol.	7.2	5.0	5.7	6.3	7.5	6.9	8.7	10.1	8.7	10.3	14.6
Bond volume <sup>3</sup>	Mill. dol.	4,485	5,178	4,554	4,888	5,180	5,733	7,155	7,572	6,882	9,846	16,494
Daily average	Mill. dol.	17.7	20.5	18.1	18.2	20.5	22.7	28.3	29.9	27.6	35.9	41.4

NA Not available.

<sup>1</sup> Share volume of reported trades by size (percent of total) on New York Stock Exchange. <sup>2</sup> Includes batched orders at the opening and re-opening of trading. <sup>3</sup> Par value.

Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual.

## No. 808. SECURITIES LISTED ON N.Y. STOCK EXCHANGE: 1970 TO 1986

[As of December 31, except cash dividends are for calendar year]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Bonds:</b>												
Number of issuers	Number	843	1,068	1,045	1,043	1,045	1,049	1,031	1,034	1,024	1,010	951
Number of issues	Number	1,729	2,532	2,895	2,939	3,057	3,110	3,233	3,600	3,751	3,855	3,511
Face value	Bil. dol.	135	200	209	226	202	281	793	865	1,084	1,327	1,380
Market value	Bil. dol.	113	315	465	480	508	574	788	898	1,022	1,339	1,458
Average price	Percent	83.80	91.89	91.37	87.35	84.41	84.24	86.57	93.04	94.29	100.90	105.65
<b>Stocks:</b>												
Number of companies	Number	1,381	1,557	1,591	1,585	1,570	1,585	1,526	1,550	1,543	1,541	1,575
Number of issues	Number	1,840	2,111	2,194	2,182	2,228	2,220	2,225	2,307	2,319	2,295	2,257
Shares listed	Billion	16.1	22.5	27.6	30.0	33.7	38.3	39.5	45.1	49.1	52.4	59.6
Market value	Bil. dol.	636	885	823	961	1,243	1,144	1,305	1,584	1,586	1,850	2,199
Average price	Dollars	39.61	39.48	29.84	31.99	36.87	29.87	33.03	35.11	32.31	37.20	36.89
Cash dividends on common stock	Bil. dol.	19.8	26.9	41.2	48.9	53.1	60.8	62.2	67.1	66.2	74.2	76.2

Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual.

## No. 810. NASDAQ—SECURITIES LISTED AND VOLUME OF TRADING: 1975 TO 1986

ITEM	Unit	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Companies listed	Number	2,487	2,475	2,543	2,694	3,353	3,254	3,001	4,097	4,136	4,417
Issues	Number	2,579	2,582	2,670	3,050	3,687	3,654	4,467	4,723	4,784	5,169
Shares traded	Million	1,390	2,782	3,651	6,992	7,623	8,432	15,908	15,159	20,699	26,737
Average daily volume	Million	5.5	11.0	14.4	26.5	30.9	33.9	82.8	59.9	62.1	113.6
Value of shares traded	Bil. dol.	21.2	58.1	44.3	68.7	71.1	84.2	188.3	153.5	233.5	375.2

Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual.

## No. 811. STOCK OWNERSHIP—CHARACTERISTICS OF SHAREOWNERS: 1970 TO 1985

[In thousands. Represents all publicly owned issues of common and preferred stocks including stock mutual funds. Based on national probability samples; see source for detailed explanation]

CHARACTERISTIC	1970	1975	1980	1983	1985	CHARACTERISTIC	1970	1975	1980	1983	1985
<b>Total</b> <sup>1</sup>	30,880	35,270	30,290	42,365	47,040	<b>Education:</b>					
<b>Male</b>	15,669	12,698	15,666	20,864	23,699	High school: <sup>2</sup>					
<b>Female</b>	15,161	12,508	14,534	21,498	23,341	3 years or less	3,566	1,621	1,746	2,356	2,513
<b>Age:</b>						4 years	8,697	6,560	5,737	8,786	7,869
Under 21 years	2,221	1,616	2,306	2,749	2,260	<b>College:</b> <sup>3</sup>					
21-24 years	4,500	2,836	6,407	10,552	11,093	1-3 years	5,967	5,301	9,353	13,529	13,937
25-44 years	5,801	3,978	5,925	8,346	10,962	4 years or more	9,999	9,886	10,613	14,375	19,854
45-54 years	7,556	5,675	5,456	6,586	7,899	<b>Minors</b> <sup>4</sup>	2,221	1,618	2,306	2,749	2,260
55-64 years	8,084	5,099	5,144	6,850	8,217	<b>Income:</b> <sup>4</sup>					
65 years and over	4,330	5,800	4,589	7,277	8,589	Under \$10,000	8,168	3,416	1,742	1,460	2,151
						\$10,000-\$14,999	8,348	4,552	3,180	2,595	1,183
						\$15,000-\$24,999	7,670	8,778	8,930	6,579	7,116
						\$25,000-\$49,999	4,114	5,426	11,623	17,168	21,369
						\$50,000 and over		1,216	3,982	7,916	11,321

<sup>1</sup> Includes small number of shareowners not distributed by breakdown. <sup>2</sup> Persons 21 years old and over. <sup>3</sup> Shareowners whose stockholdings are registered in accordance with the Gifts to Minors Statutes. <sup>4</sup> Adult shareowners only.Source: New York Stock Exchange, Inc., New York, NY, *Shareownership*, periodic.

## No. 812. COMMODITY FUTURES TRADING ON U.S. EXCHANGES—VOLUME OF TRADING: 1970 TO 1986

[In thousands. 1970 for year ending June 30; thereafter, for years ending Sept. 30]

COMMODITY	1970	1980	1981	1982	1983	1984	1985	1986
<b>Number of contracts traded</b>	12,398	82,891	101,124	107,644	126,677	146,522	152,990	183,099
<b>Grain</b>	2,162	16,267	19,906	14,695	17,794	15,689	14,788	10,315
<b>Oilseeds/products</b>	3,677	15,892	20,315	15,763	19,823	23,489	14,883	13,799
<b>Livestock/products</b>	3,432	11,806	9,804	10,968	11,063	6,429	7,926	6,571
<b>Other agricultural</b>	2,017	7,787	4,576	1,000	6,324	5,958	5,141	6,700
<b>Energy products</b>	-	1,067	3,251	2,301	3,204	4,946	7,025	11,531
<b>Metals</b>	1,110	14,099	17,870	19,307	26,316	22,447	18,383	16,234
<b>Financial instruments</b>	-	10,213	20,081	31,251	40,155	51,003	72,127	96,867
<b>Currencies</b>	-	3,719	5,396	8,284	11,396	16,691	16,377	19,081

- Represents zero.

Source: U.S. Commodity Futures Trading Commission, *Annual Report*.

## No. 812. MUTUAL FUNDS—NET ASSETS, SALES, AND REDEMPTIONS: 1970 TO 1986

(In millions of dollars, except number of funds. See also *Historical Statistics, Colonial Times to 1970*, series X 536-539)

TYPE OF FUND	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number of funds	351	426	477	505	524	584	669	857	1,029	1,352	1,531	1,643
Assets	47.6	45.9	48.5	58.8	94.5	134.7	241.4	298.6	292.9	378.7	486.6	716.3
Money market funds	(x)	3.6	3.5	10.9	45.2	74.4	181.9	206.6	162.5	209.7	207.5	229.3
Equity funds	45.1	37.5	34.1	32.7	35.9	44.4	41.2	53.8	77.0	78.1	106.6	152.5
Income and bond funds	2.5	4.7	5.4	9.3	10.1	11.1	11.0	15.8	22.0	30.3	102.7	198.0
Municipal bond funds	(x)	(x)	2.3	2.6	3.0	2.9	3.1	7.4	14.8	20.8	39.4	75.7
Limited maturity municipal bonds <sup>1</sup>	(x)	(x)	(x)	(x)	(x)	1.9	4.2	13.2	16.8	23.8	36.3	63.6
Sales	4.6	16.1	17.1	37.2	119.3	247.5	472.2	627.8	847.5	986.1	959.6	1,266.7
Money market funds	(x)	6.6	10.7	30.5	111.9	232.2	451.9	581.8	463.0	572.0	730.1	792.9
Equity funds	4.2	2.6	2.4	2.8	3.1	5.8	6.0	8.3	22.4	18.2	28.9	54.3
Income and bond funds	.4	7	1.6	2.0	2.0	2.6	2.9	4.0	6.8	17.8	68.1	121.7
Municipal bond funds	(x)	(x)	2.1	1.8	1.7	1.8	1.5	3.5	9.1	9.8	19.4	39.9
Limited maturity municipal bonds <sup>1</sup>	(x)	(x)	(x)	(x)	(x)	5.3	10.5	29.4	44.5	62.3	108.4	197.5
Redemptions	3.6	9.6	16.7	31.5	98.6	216.5	362.5	686.4	886.5	907.0	964.9	1,016.6
Money market funds	(x)	5.9	10.7	24.3	78.4	204.5	346.7	559.6	508.7	531.0	732.3	779.3
Equity funds	2.3	3.3	4.7	5.1	5.7	5.7	5.1	5.2	9.3	10.4	17.3	25.6
Income and bond funds	.2	.4	.8	1.0	1.4	1.6	1.6	1.7	3.1	5.6	12.2	32.3
Municipal bond funds	(x)	(x)	.5	1.1	.9	1.0	.8	.7	2.3	4.1	4.3	9.1
Limited maturity municipal bonds <sup>1</sup>	(x)	(x)	(x)	(x)	(x)	3.6	8.3	21.2	42.4	55.9	99.9	172.3

X Not applicable. <sup>1</sup> The average maturity of the portfolio is generally less than two years.Source: Investment Company Institute, Washington, DC, *Mutual Fund Fact Book*, annual.

## No. 814. U.S. LIFE INSURANCE COMPANIES—SUMMARY: 1970 TO 1986

(As of December 31 or calendar year, as applicable. Covers domestic and foreign business of U.S. companies. See also *Historical Statistics, Colonial Times to 1970*, series X 870 and X 880-817)

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
U.S. companies	Number	1,780	1,746	1,895	1,958	1,991	2,000	2,117	2,169	2,251	2,321
Sales <sup>1</sup>	Bil. dol.	297	317	327	355	1,139	938	1,279	1,389	1,539	1,579
Ordinary	Bil. dol.	135	207	359	462	700	661	972	1,074	1,187	1,176
Group <sup>2</sup>	Bil. dol.	66	103	162	190	436	257	306	316	342	400
Industrial	Bil. dol.	7	7	5	4	3	2	2	1	1	(2)
Income	Bil. dol.	46.1	79.9	119.1	139.9	151.9	179.9	179.9	206.1	234.6	262.3
Life insurance premiums	Bil. dol.	21.7	29.3	39.1	40.8	46.3	50.9	50.3	51.3	60.1	65.2
Percent of total	Percent	44.2	37.6	32.8	31.2	30.5	29.8	28.6	24.8	25.7	23.5
Annuity considerations	Bil. dol.	3.7	10.2	17.9	22.4	27.6	34.8	30.5	42.8	53.9	69.7
Health insurance premiums	Bil. dol.	11.4	19.1	27.9	29.4	31.8	35.0	38.2	40.7	41.8	44.2
Investment and other	Bil. dol.	12.3	19.4	34.2	38.3	46.2	48.8	57.0	71.3	78.2	89.2
Disbursements	Bil. dol.	39.0	68.2	91.1	98.3	101.8	113.3	123.5	138.5	151.8	166.3
Payments to policyholders <sup>3</sup>	Bil. dol.	25.6	39.1	53.7	59.0	65.1	71.2	80.9	88.8	95.7	* 131.4
Percent of total	Percent	65.6	65.5	65.2	65.9	63.9	62.8	65.5	64.8	63.0	70.5
Death payments	Bil. dol.	7.2	9.3	11.8	12.9	13.6	14.5	16.8	17.8	18.5	19.8
Matured endowments	Bil. dol.	1.0	1.0	.9	.8	.7	.8	.8	.7	.8	.8
Annuity payments	Bil. dol.	1.7	3.2	6.6	7.4	9.6	10.3	12.7	18.0	19.7	17.9
Policy dividends	Bil. dol.	3.8	5.1	7.6	8.1	9.3	9.8	10.8	11.4	12.4	12.4
Surrender values	Bil. dol.	2.9	3.8	5.5	6.4	7.1	9.8	12.5	14.5	15.9	* 49.6
Disability benefits	Bil. dol.	.2	.4	.6	.5	.6	.5	.5	.4	.5	.5
Commissions, expenses, etc	Bil. dol.	12.9	19.4	25.9	27.6	35.1	40.3	40.7	46.0	53.1	* 51.4
Dividends to stockholders	Bil. dol.	.5	.7	1.6	1.4	1.6	1.8	1.9	2.7	3.0	3.7
Taxes, licenses and fees	Bil. dol.	2.2	3.5	5.5	4.8	4.2	4.4	4.3	6.1	7.8	8.7
Federal income taxes	Bil. dol.	1.2	1.9	3.3	2.6	1.8	1.6	1.2	2.8	4.1	4.7
BALANCE SHEET											
Assets	Bil. dol.	367.3	366.3	432.2	479.2	536.6	606.2	654.6	722.9	825.9	967.6
Government securities	Bil. dol.	11.1	15.2	29.7	33.0	39.5	55.5	76.6	90.8	124.6	144.8
Corporate securities	Bil. dol.	89.5	133.9	206.6	227.0	241.5	289.5	297.0	322.5	374.3	432.9
Percent of total assets	Percent	42.7	48.3	48.3	47.4	45.9	45.7	45.3	44.8	45.3	46.2
Bonds	Bil. dol.	73.1	105.8	169.0	179.6	183.6	212.8	232.1	269.1	298.8	342.0
Stocks	Bil. dol.	15.4	28.1	39.8	47.4	47.7	55.7	64.9	63.4	77.5	80.8
Mortgages	Bil. dol.	74.4	89.2	118.4	131.1	137.7	142.0	161.0	156.7	171.6	199.8
Real estate	Bil. dol.	6.3	9.8	13.0	15.0	18.3	20.6	22.2	25.7	28.6	31.6
Policy loans	Bil. dol.	16.1	24.5	34.6	41.4	48.7	53.0	54.1	54.5	54.4	54.1
Other	Bil. dol.	10.9	16.9	27.8	31.7	40.1	49.8	54.0	63.8	72.0	89.6
Interest earned on assets <sup>4</sup>	Percent	5.30	5.36	7.73	8.02	8.57	8.91	8.96	9.48	9.63	9.36
Liabilities <sup>5</sup>	Bil. dol.	189.9	298.7	402.3	444.6	499.4	546.7	606.5	672.8	799.1	973.4
Policy reserves <sup>6</sup>	Bil. dol.	167.8	237.1	351.8	386.4	438.0	479.4	532.4	584.2	696.3	791.9
Annuities	Bil. dol.	48.9	80.8	153.0	181.5	209.1	252.4	296.5	341.7	410.6	499.6
Group	Bil. dol.	34.0	59.9	116.4	140.4	161.0	191.9	221.7	264.8	303.0	355.8
Individual <sup>7</sup>	Bil. dol.	14.9	20.9	36.6	41.0	48.1	60.5	74.8	87.1	107.6	133.8
Life insurance	Bil. dol.	115.4	150.1	186.2	197.9	207.0	213.8	221.0	225.9	235.9	252.9
Health insurance	Bil. dol.	3.5	6.3	10.4	11.0	11.9	13.2	15.0	16.8	16.8	21.3
Capital and surplus <sup>8</sup>	Bil. dol.	17.3	20.6	30.0	34.4	37.4	41.5	46.4	50.4	59.6	64.1

<sup>2</sup> Less than \$500 million. <sup>3</sup> Includes Servicemen's Group Life Insurance: \$16.8 billion in 1970, \$1.7 billion in 1975, \$94.6 billion in 1981, and \$90.6 billion in 1986; as well as Federal Employees' Group Life Insurance: \$91.5 billion in 1981 and \$10.6 billion in 1986. <sup>4</sup> Includes operations of accident and health departments of life insurance companies. <sup>5</sup> Data not comparable to prior years due to change in accounting method. <sup>6</sup> Net rate. <sup>7</sup> Includes other obligations not shown separately. <sup>8</sup> Includes reserves for supplementary contracts with and without life contingencies.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, and unpublished data.

## No. 815. U.S. LIFE INSURANCE COMPANIES—NEW LONG-TERM INVESTMENTS: 1970 TO 1986

[In billions of dollars, except percent. Long-term investments are investments of over 1 year in length. Minus sign (-) indicates decrease]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total .....	33.9	42.5	55.4	66.8	88.8	72.8	77.9	63.7	115.5	148.8	202.5	295.3	421.9
Annual percent change <sup>1</sup> .....	- 3	19.7	30.2	20.3	3.2	5.8	7.3	7.4	32.1	53.7	19.2	45.8	42.9
Government securities .....	8	3.7	7.3	7.5	6.5	6.9	7.0	10.6	24.3	49.1	62.9	99.9	154.3
Corporate securities .....	10.9	22.5	31.7	37.8	36.0	33.5	38.4	42.5	58.8	88.9	104.0	144.8	205.4
Bonds .....	8.8	18.8	24.0	30.2	28.0	23.1	22.3	23.0	33.0	50.0	68.7	98.3	137.5
Stocks .....	4.1	5.9	7.7	7.6	8.0	10.4	14.1	19.5	25.8	38.1	35.3	46.5	67.9
Mortgages .....	7.2	9.6	9.8	14.2	17.8	20.7	19.7	13.5	11.5	20.1	20.1	35.1	45.4
Real estate .....	.9	2.1	1.8	2.0	2.2	2.8	3.3	4.5	4.5	4.3	6.0	6.0	7.1
Policy loans .....	4.1	4.6	4.8	5.1	8.3	6.7	11.5	12.6	11.4	9.5	9.5	9.7	9.7

<sup>1</sup> Change from immediate prior year.

## No. 816. LIFE INSURANCE IN FORCE IN THE U.S.—SUMMARY: 1970 TO 1986

[As of December 31 or calendar year, as applicable. Covers life insurance with life insurance companies only. Represents all life insurance in force on lives of U.S. residents whether issued by U.S. or foreign companies. "Families" includes families, subfamilies, and unrelated individuals; see definitions, text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series X 578-689]

YEAR	LIFE INSURANCE IN FORCE						AVERAGE SIZE POLICY IN FORCE (dollars)				AVERAGE AMOUNT (\$1,000)		Disposable person's income per family (\$1,000)
	Number of policies, total (mil.)	Value (bil. dol.)					Ordinary	Group	Industrial	Credit <sup>1</sup>	Per family	Per insured family	
		Total	Ordinary	Group	Industrial	Credit <sup>1</sup>							
1970.....	365	1,402	731	545	38.6	87.9	6,110	8,910	500	1,000	20.7	24.4	10.3
1972.....	366	1,828	849	631	40.0	108.8	6,790	7,730	530	1,190	22.9	26.9	11.4
1973.....	369	1,778	828	708	40.6	101.2	7,230	8,010	540	1,300	24.4	28.8	12.6
1974.....	380	1,985	1,008	827	39.4	106.6	7,590	8,840	550	1,310	26.5	31.2	13.3
1975.....	380	2,140	1,083	906	39.4	112.0	8,090	9,380	570	1,410	28.1	33.0	14.4
1976.....	382	2,343	1,178	1,003	39.2	123.6	8,510	10,010	580	1,580	30.1	35.0	15.3
1977.....	390	2,583	1,289	1,115	39.0	139.4	9,240	10,550	590	1,780	32.4	37.7	16.5
1978.....	401	2,870	1,425	1,244	38.1	163.1	10,010	11,280	600	1,950	35.1	40.8	17.9
1979.....	407	3,222	1,586	1,419	37.8	179.3	10,890	12,950	610	2,120	38.5	44.8	18.8
1980.....	402	3,541	1,761	1,579	36.0	185.2	11,920	13,410	620	2,110	41.5	48.3	21.4
1981.....	400	4,084	1,978	1,889	34.5	182.4	13,310	15,400	630	2,220	45.7	53.2	22.7
1982.....	390	4,477	2,217	2,086	32.8	161.1	15,140	16,630	630	2,410	49.3	57.3	23.9
1983.....	387	4,986	2,544	2,220	31.4	170.7	17,380	17,530	630	2,650	54.2	63.0	25.6
1984.....	385	5,500	2,888	2,392	30.1	190.0	19,970	18,780	630	2,880	58.7	68.3	27.5
1985.....	386	6,053	3,247	2,582	29.2	218.0	22,780	19,720	640	3,100	63.4	74.8	29.8
1986.....	391	6,720	3,858	2,801	27.2	233.8	25,540	20,720	650	3,310	69.1	81.2	31.1

<sup>1</sup> Insures borrower to cover consumer loan in case of death.

Source of tables 815 and 816: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, annual.

## No. 817. LIFE INSURANCE OWNERSHIP BY HOUSEHOLDS AND ADULTS: 1984

[All types includes coverage with legal reserve life insurance companies, veterans life insurance, and life insurance issued by savings banks, fraternal organizations, mutual aid and burial societies, and similar types of coverage. "Individual life" comprises ordinary and/or industrial life insurance. Based on a survey conducted for the source and the Life Insurance Marketing and Research Association]

TYPE OF HOUSEHOLD AND HOUSEHOLD INCOME	PERCENT OF HOUSEHOLDS IN WHICH AT LEAST ONE MEMBER OWNS LIFE INSURANCE			MEDIAN COVERAGE <sup>2</sup> (\$1,000)			AGE	PERCENT OF ADULTS OWNING LIFE INSURANCE	
	All types	Individual life <sup>3</sup>	Employee group life	All types	Individual life <sup>3</sup>	Employee group life		Male	Female
Total.....	81	67	64	38.0	16.5	20.8	Total, 18 yrs. and over.....	76	66
Family households <sup>4</sup> .....	85	63	56	40.0	20.0	20.0	18-24 yrs. old.....	61	50
Married couple.....	88	66	60	45.0	23.0	21.5	25-29 yrs. old.....	63	54
Female householder <sup>5</sup> .....	74	47	49	20.0	11.0	20.0	30-34 yrs. old.....	79	71
Nonfamily households.....	70	42	41	11.5	5.0	16.5	35-44 yrs. old.....	64	70
Male householder.....	70	41	46	40.0	11.4	30.0	45-54 yrs. old.....	66	72
Female householder.....	70	43	37	8.0	2.0	10.0	55-64 yrs. old.....	68	71
Under \$10,000.....	63	46	27	10.0	5.1	10.0	65 yrs. old and over.....	69	67
\$10,000-\$17,499.....	78	49	46	16.5	8.5	12.0			
\$17,500-\$24,999.....	87	64	60	30.0	16.4	15.0			
\$25,000-\$34,999.....	92	66	70	56.5	25.0	28.0			
\$35,000 and over.....	92	68	74	67.0	31.1	45.0			

<sup>1</sup> Purchased from an agent, company, or fraternal society. <sup>2</sup> Among those households with this type of coverage. Includes coverage of dependents. <sup>3</sup> Includes male householder with no spouse present. <sup>4</sup> With no spouse present.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book Update*, 1985.



## NO. 818. LIFE INSURANCE—INSURANCE IN FORCE AND BENEFIT PAYMENTS BY STATE: 1966

[Applies to policyholders and payments in the U.S. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	INSURANCE IN FORCE			Benefit pay- ments <sup>1</sup> (mil. dol.)	REGION, DIVISION, AND STATE	INSURANCE IN FORCE			Benefit pay- ments <sup>1</sup> (mil. dol.)
	Policies (1,000)	Value (bil. dol.)	Avg. per family (dol.)			Policies (1,000)	Value (bil. dol.)	Avg. per family (dol.)	
<b>U.S.</b>	<b>366,719</b>	<b>8,729</b>	<b>69,160</b>	<b>66,366</b>	Maryland	8,055	136	76,700	1,432
<b>Regions</b>					District of Columbia	2,179	44	136,000	424
Northeast	82,159	1,506	75,000	17,494	Virginia	12,853	179	79,900	1,532
Midwest	97,011	1,665	71,300	16,617	West Virginia	3,022	36	51,200	476
South	151,916	2,237	66,100	20,412	North Carolina	12,813	167	66,100	1,540
West	59,634	1,290	82,400	11,782	South Carolina	8,107	69	66,800	656
<b>New England</b>	<b>20,844</b>	<b>366</b>	<b>76,080</b>	<b>4,320</b>	Georgia	12,434	182	77,500	1,300
Maine	1,893	27	56,400	284	Florida	16,994	279	54,700	3,116
New Hampshire	1,677	29	66,700	262	<b>East South</b>				
Vermont	656	14	58,500	147	Central	32,836	371	64,160	3,947
Massachusetts	8,744	176	73,600	1,665	Kentucky	6,145	79	55,300	793
Rhode Island	1,901	29	72,800	343	Tennessee	9,530	131	70,200	1,230
Connecticut	5,773	120	94,800	1,279	Alabama	11,877	107	69,500	644
<b>Middle Atlantic</b>	<b>61,316</b>	<b>1,110</b>	<b>74,800</b>	<b>13,384</b>	Mississippi	4,173	54	66,300	390
New York	27,562	534	74,200	8,155	<b>West South</b>				
New Jersey	11,518	250	84,800	3,171	Central	42,818	734	66,700	5,466
Pennsylvania	22,207	326	69,000	3,936	Arkansas	2,604	44	47,300	362
<b>East North</b>					Louisiana	9,219	119	69,900	1,017
Central	66,119	1,177	71,600	13,466	Oklahoma	4,446	61	59,900	665
Ohio	16,460	299	71,100	3,450	Texas	25,549	480	73,200	4,034
Indiana	9,260	146	66,200	1,591	<b>Mountain</b>	<b>16,660</b>	<b>243</b>	<b>64,800</b>	<b>3,171</b>
Illinois	19,620	347	75,500	4,001	Montana	1,132	19	54,700	209
Michigan	14,069	262	73,300	2,834	Idaho	1,304	22	56,900	230
Wisconsin	7,655	123	65,200	1,520	Wyoming	658	13	63,200	123
<b>West North</b>					Colorado	5,194	104	73,600	806
Central	27,891	566	70,700	5,121	New Mexico	1,831	34	59,700	304
Minnesota	6,316	127	74,900	1,170	Arizona	4,940	86	64,000	652
Iowa	4,595	80	66,800	651	Utah	2,409	42	71,000	346
Missouri	6,447	141	67,900	1,414	Nevada	1,452	23	54,000	202
North Dakota	926	19	67,400	158	<b>Pacific</b>	<b>46,744</b>	<b>947</b>	<b>61,800</b>	<b>6,611</b>
South Dakota	952	19	65,000	173	Washington	5,239	113	56,600	1,061
Nebraska	2,564	49	75,000	532	Oregon	3,094	62	51,800	705
Kansas	4,100	73	71,400	723	California	29,740	723	62,100	6,402
<b>South Atlantic</b>	<b>77,872</b>	<b>1,142</b>	<b>69,600</b>	<b>16,757</b>	Alaska	866	15	66,200	116
Delaware	1,415	26	103,300	261	Hawaii	1,806	34	63,500	306

<sup>1</sup> Comprise death payments, matured endowments, disability and annuity payments, surrender values, and policy dividends.Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, annual.

## NO. 819. PROPERTY AND LIABILITY INSURANCE: 1970 TO 1966

[In millions of dollars. Premiums written represent total premiums on all insurance policies written by companies, with inception dates in years shown. Minus sign (—) indicates loss. See also *Historical Statistics, Colonial Times to 1970*, series X 616, 623, 626, 933, and 940]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Premiums written <sup>1</sup>	32,867	49,967	95,669	89,376	103,969	108,963	118,169	144,166	179,963
Auto liability	6,966	13,315	23,319	24,365	26,226	26,080	30,217	36,067	44,061
Physical damage, auto	4,824	7,823	15,833	16,746	16,005	19,746	21,766	25,247	29,306
Liability, other than auto	2,140	3,961	7,662	7,365	7,159	7,247	8,254	14,313	22,067
Medical malpractice	(NA)	695	1,276	1,336	1,480	1,568	1,775	2,769	3,462
Fire <sup>2</sup>	3,147	3,691	4,784	4,617	4,636	4,606	4,653	6,173	6,833
Homeowners multiple peril	2,565	4,729	9,821	10,760	11,747	12,512	13,213	14,066	15,222
Commercial multiple peril	1,331	3,176	6,666	6,670	7,009	7,293	8,267	12,067	16,160
Workers' compensation	3,462	6,166	14,239	14,616	13,945	14,005	15,106	17,046	20,431
Inland marine	612	1,266	2,291	2,426	2,510	2,649	3,017	3,672	3,869
Ocean marine	465	661	1,065	1,127	1,101	1,096	1,165	1,177	1,225
Surety and fidelity <sup>3</sup>	562	799	1,246	1,351	1,454	1,649	1,997	2,653	2,116
Financial guaranty <sup>3</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	575
Burglary and theft	136	120	136	126	115	106	106	122	121
Crop-hail	125	312	417	504	532	444	508	447	379
Boiler and machinery	115	173	293	296	293	356	436	616	531
Glass	40	32	32	31	29	27	26	25	27
Statutory underwriting gain/loss	77	-3,564	-1,712	-4,464	-6,303	-11,066	-19,379	-22,567	-12,746
Policyholders' dividends	504	633	1,622	1,624	1,967	2,234	2,066	2,166	2,165
Net underwriting gain/loss	-426	4,227	3,334	5,266	10,290	-13,322	21,477	24,794	15,913
Net investment income	2,005	4,150	11,063	13,246	14,907	15,673	17,660	19,506	21,664
Net income/loss before taxes	1,579	-77	7,730	8,661	4,617	2,651	-3,617	-5,266	6,012
Assets	58,564	94,116	197,661	212,302	231,663	240,121	264,734	311,366	374,666
Policyholders' surplus	16,520	25,303	52,166	53,604	60,305	65,606	63,606	75,511	84,666

NA: Not available. <sup>1</sup> Total includes all property, liability, and allied lines; other data are in percent lines only.<sup>2</sup> Includes extended coverage and allied lines. <sup>3</sup> Prior to 1966, financial guaranty was included in surety.Source: Insurance Information Institute, New York, NY, *Insurance Facts*, annual. Data from A. M. Best Company, Omaha, NE.

## No. 820. AUTOMOBILE INSURANCE: 1970 TO 1986

[In billions of dollars, except as indicated. Premiums earned basis. See also *Historical Statistics, Colonial Times to 1970*, series O 163-174]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986		
									Total	Private passenger	Commercial
Companies reporting	925	1,275	1,470	1,507	1,531	1,571	1,587	1,584	1,558		
Total insurance:											
Premiums earned	14.6	23.9	37.6	39.8	42.6	46.2	50.5	57.1	70.3	58.3	12.0
Losses paid <sup>1</sup>	11.2	19.7	27.9	30.6	35.1	39.2	42.2	48.2	55.9	47.7	8.2
Percent of premiums	76.6	82.4	74.1	77.0	82.4	81.3	83.6	86.1	81.0	81.9	78.7
Bodily injury liability: <sup>2</sup>											
Premiums earned	9.6	15.2	22.5	23.6	25.4	28.6	29.5	33.5	42.1	33.9	8.3
Losses paid <sup>1</sup>	7.5	12.3	17.2	19.2	21.8	24.9	26.5	31.9	37.9	30.8	7.2
Percent of premiums	79.0	81.0	76.6	81.1	85.9	87.0	89.9	95.0	90.1	90.9	86.7
Physical damage: <sup>3</sup>											
Premiums earned	5.1	8.7	15.1	16.1	17.2	19.6	21.0	23.5	28.2	24.4	3.8
Losses paid <sup>1</sup>	3.7	7.4	10.7	11.5	13.1	14.3	15.7	17.3	19.0	16.9	2.1
Percent of premiums	72.3	84.7	70.4	71.0	76.3	72.9	74.7	73.5	67.5	69.4	55.2

<sup>1</sup> Includes adjusting expenses. <sup>2</sup> Includes property damage. <sup>3</sup> Covers auto fire, theft, collision, and comprehensive.

Source: The National Underwriter Co., Cincinnati, OH, *Argus F. C. & S. Chart*, annual (copyright).

## No. 821. PRIVATE HEALTH INSURANCE ORGANIZATIONS—INCOME AND EXPENSES: 1970 TO 1986

[In millions of dollars, except percent. Minus sign (-) indicates loss. Expenses are on incurred basis. See also *Historical Statistics, Colonial Times to 1970*, series X 957-962]

ITEM	1970	1975	1977	1979	1978	1983	1981	1982	1983	1984	1986
All organizations:											
Total premium income	16,871	35,178	48,016	53,577	52,011	72,595	84,419	98,679	100,884	121,494	130,139
Claims expense	15,320	31,223	42,958	48,078	58,905	67,504	78,400	89,929	97,860	104,863	113,000
Percent of premium income	90.8	89.1	89.5	91.6	91.8	93.0	92.9	91.1	98.3	86.3	88.8
Operating expense	2,269	3,969	5,227	5,874	6,740	7,838	9,378	11,242	12,806	14,271	16,252
Net underwriting gain	-716	-2,014	189	-1,375	-1,634	-2,848	-3,356	-2,482	-1,114	2,330	886
Blue Cross-Blue Shield:											
Premium income	7,371	14,446	19,553	21,547	23,471	26,334	30,447	34,336	37,611	39,954	41,506
Claims expense	7,080	14,192	17,626	19,485	21,724	25,467	29,209	32,144	34,396	35,522	37,540
Operating expense	534	1,083	1,330	1,502	1,716	1,861	2,250	2,478	2,710	3,169	3,728
Net underwriting gain	-224	-829	397	560	31	-1,063	-1,012	-282	503	1,273	240
Insurance companies: <sup>1</sup>											
Premium income	8,304	14,075	19,080	21,058	24,386	29,913	33,986	41,434	46,872	50,676	53,069
Claims expense	7,104	12,826	16,436	19,058	21,830	25,774	30,271	36,424	40,109	41,296	43,112
Net underwriting gain	-447	-1,374	-756	-1,780	-1,998	-1,849	-2,256	-2,397	-1,669	445	-126
Other plans:											
Premium income	1,196	4,657	9,403	10,971	14,154	17,347	20,006	22,907	25,201	30,832	35,542

<sup>1</sup> Excludes administrative service agreements and hospital indemnity. Hospital indemnity is a form of health insurance which provides a stipulated daily, weekly, or monthly indemnity during hospital confinement. Indemnity is payable on an unallocated basis without regard to actual expense of hospital confinement.

Source: U.S. Health Care Financing Administration, *Health Care Financing Notes*, Sept. 1987, and unpublished data.

## No. 822. HEALTH INSURANCE—PREMIUM INCOME AND BENEFIT PAYMENTS OF INSURANCE COMPANIES: 1970 TO 1985

[In billions of dollars. Beginning 1975, includes Puerto Rico and other U.S. outlying areas. Represents premium income of and benefits paid by insurance companies only. Excludes Blue Cross-Blue Shield plans, medical-society sponsored plans, and all other independent plans]

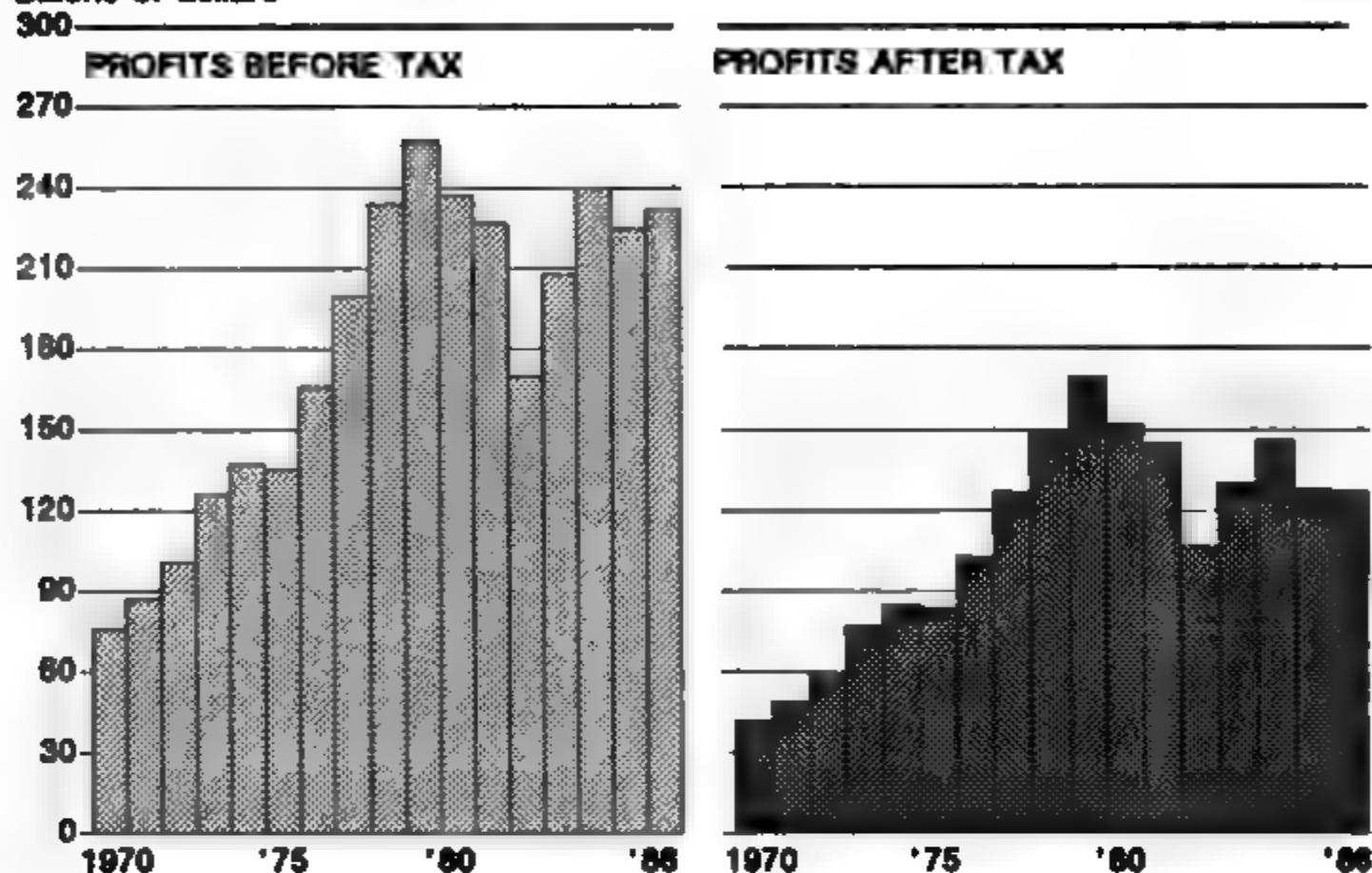
ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Premiums <sup>1</sup>	11.6	20.8	24.6	28.7	32.7	37.8	43.7	49.0	54.3	63.2	70.4	76.2
Group policies <sup>2</sup>	9.1	15.9	19.4	23.2	26.9	31.7	36.8	42.5	50.0	54.9	60.8	64.4
Individual and family policies	2.4	4.9	5.1	5.4	5.8	6.2	6.9	6.5	6.3	6.3	9.6	10.8
Benefit payments <sup>2</sup>	9.1	18.5	20.2	22.1	26.4	31.7	37.0	41.6	49.2	51.7	56.0	60.0
Group policies	7.5	14.2	17.0	19.5	22.9	27.9	33.0	37.7	44.2	48.9	50.2	53.7
Individual and family policies	1.6	2.3	2.4	2.6	3.5	3.8	4.0	3.9	4.9	4.8	5.7	6.3
Type of coverage:												
Loss of income	1.8	2.7	2.9	3.1	3.4	4.7	5.3	5.2	5.5	4.6	5.2	5.6
Medical expense	7.1	13.2	16.1	17.6	21.2	24.8	29.9	33.0	36.6	42.4	45.6	49.0
Dental	.1	.6	1.2	1.5	1.6	2.2	2.8	3.5	4.0	4.4	4.9	5.3

<sup>1</sup> 1970 refers to written premiums; thereafter, refers to earned premiums. <sup>2</sup> Beginning 1975, insurance company group premiums and benefit payments include administrative service agreements and minimum premium plans. Amounts for 1970 contain only a portion of those data. <sup>3</sup> Beginning 1975, excludes accidental death and dismemberment benefits and accident medical reimbursement benefits.

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, annual.

**Figure 17.1**  
**Corporate Profits: 1970 to 1986**

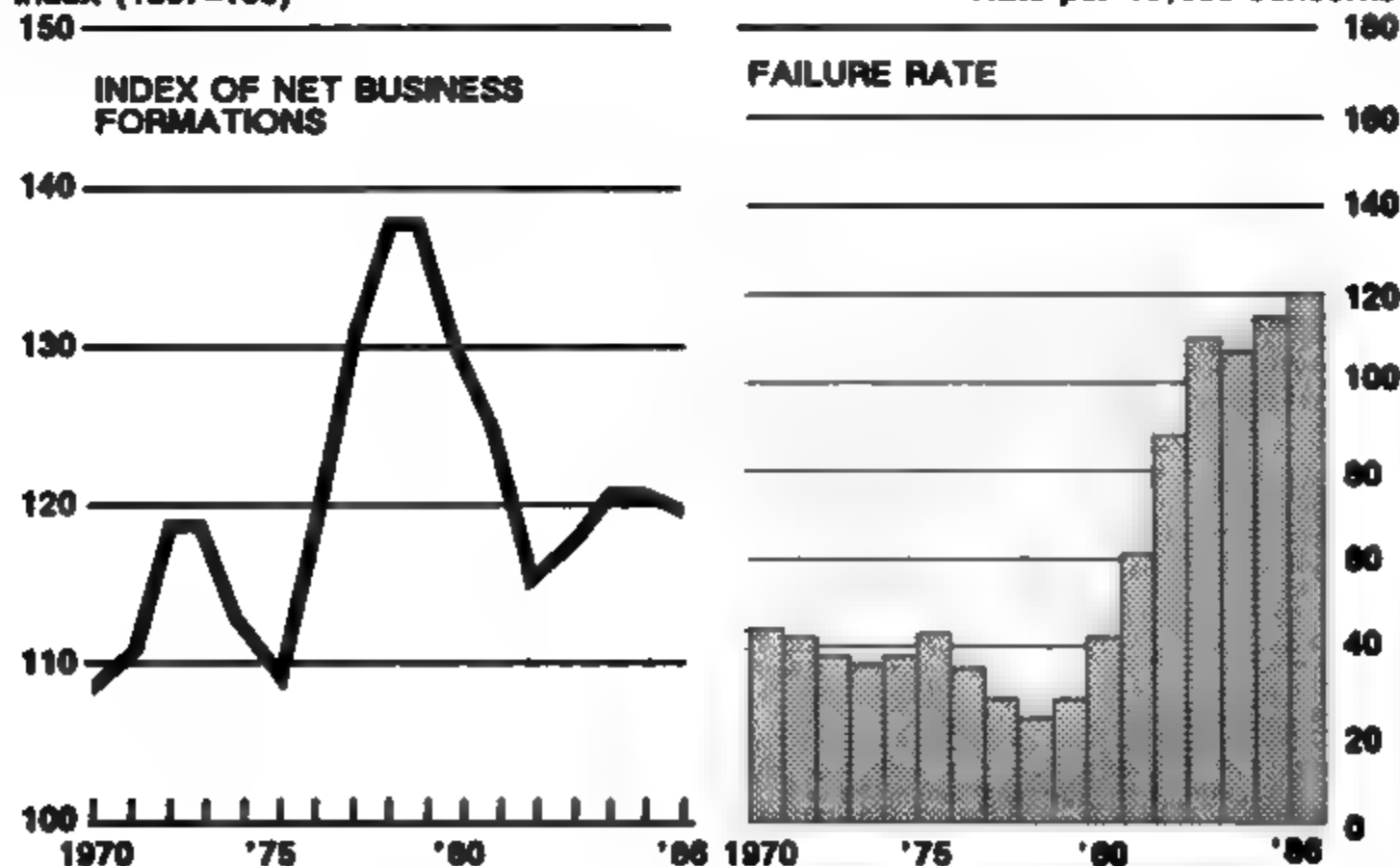
Billions of dollars



Source: Chart prepared by U.S. Bureau of the Census. For data see table 862.

**Figure 17.2**  
**Index of Net Business Formations and Business Failure Rates:**  
**1970 to 1986**

Index (1987=100)



Source: Chart prepared by U.S. Bureau of the Census. For data see table 834.



## Section 17

# Business Enterprise

This section relates to the place and behavior of the business firm, and to business initiative in the American economy. It includes data on the number, type, and size of businesses; financial data of domestic and multinational U.S. corporations and their foreign affiliates; business investment, expenditures, and profits; business sales and inventories; consumer cooperatives; and business failures. Additional business data may be found in other sections, particularly 27 and 28.

The principal sources of these data are the *Survey of Current Business*, published by the Bureau of Economic Analysis (BEA); the *Federal Reserve Bulletin*, issued by the Board of Governors of the Federal Reserve System; the annual *Statistics of Income* reports of the Internal Revenue Service (IRS); *The Failure Record Through 1988*, issued by the Dun & Bradstreet Corporation, New York; and *Fortune* and *The Fortune Directory*, issued by Time, Inc., New York. Other sources are publications of the Securities and Exchange Commission (SEC), the Bureau of the Census, and the Administrative Office of the United States Courts.

**Business firms.**—A firm is generally defined as a business organization under a single management and may include one or more establishments (i.e., a single physical location at which business is conducted). The terms firm, business, company, and enterprise are used interchangeably throughout this section. A firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. The industrial classification is based on the *Standard Industrial Classification (SIC) Manual* (see text, section 13).

The IRS concept of a business firm relates primarily to the legal entity used for tax reporting purposes. The IRS *Statistics of Income* reports present data, based on a sample of tax returns before audit, separately for sole proprietorships, partnerships, and active corporations. A sole proprietorship is an unincorporated business owned by one person including large enterprises with many employees and hired managers to the part-time operations in which the owner is the only person involved. A partnership is an unincorporated business owned by two or more persons, each of whom has a financial interest in the business. The "persons" could be individuals, estates, trusts, other partnerships or corporations. A corporation is a business that is legally incorporated under State laws. The IRS recognizes many types of businesses as corporations, including joint-stock companies; mutual and other insurance companies; and unincorporated associations such as business trusts, etc. While many corporations file consolidated tax returns, most corporate tax returns represent individual corporations, some of which are affiliated through common ownership or control with other corporations filing separate returns.

**Assets and liabilities.**—In its annual report, *Statistics of Income, Corporation Income Tax Returns*, the IRS presents balance sheet and income estimates for all active U.S. corporations. The Bureau of the Census issues the *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations (QFR)*, which presents quarterly income account and balance sheet data for manufacturing, mining, and trade industries. The Federal Reserve Board issues *Working Capital of U.S. Nonfinancial Corporations*, which presents data on components of current assets and liabilities of all nonfinancial U.S. corporations. Both of these reports were prepared by the Federal Trade Commission until responsibilities for QFR were transferred to Census beginning with the 4th quarter 1982 report.

One of the most comprehensive measures of the investment position of the business sector (and the only measure adjusted to current replacement cost) is the BEA capital stock series. See *Survey of Current Business*, August 1987.

**Income, profits, dividends, and taxes.**—Several agencies, among them IRS and BEA, compile corporate income account data. These data, however, are not comparable because of differing methods of compilation. A reconciliation of the two can be found in table 8.13 of *National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business* (normally the July issue), published by BEA. The IRS publishes financial data for all business enterprises. These data appear in *Statistics of Income—Corporation Income Tax Returns* and the *Statistics of Income*

**Bulletin Partnership and Sole Proprietorships Returns.** Supplemental reports published periodically present data on international income and taxes reported by U.S. corporations.

Corporate data issued by BEA are a part of its national income and product accounts (see text, section 14). The primary sources for BEA estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to IRS. Various adjustments of IRS data are required by the national income treatment—particularly with respect to profits which would be disclosed if all tax returns were audited; depletion; capital gain or loss; treatment of bad debts; measurement of income received from abroad; and intercorporate dividends—to make the figures comparable with other entries in the national income accounts. For a discussion of two types of adjustments (inventory valuation and capital consumption), see text, section 14. The BEA's corporate profits data also include net earnings of Federal Reserve banks, credit unions, private noninsured pension funds, and several quasi-government credit agencies not included in IRS data.

**Sources and uses of corporate funds.**—These data (table 861) show capital requirements of corporations and the manner in which they are financed. Sources of funds should be equal to their uses. Certain discrepancies, however, interfere with this equality due to omission of (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, (2) transactions in securities held as permanent investments except public offerings, and (3) net purchases of land. Also, the balance sheet data upon which many of the financial flow estimates are based are not fully comparable with the tax-return based estimates of internal sources, or the establishment series underlying the figures on inventory change.

**Plant and equipment expenditures.**—Estimates of actual and planned expenditures for new plant and equipment in the United States by most private nonagricultural business firms are based on quarterly sample surveys conducted by the Bureau of Economic Analysis.

For quarterly data, see current issues of the *Survey of Current Business*. For a discussion of coverage, concepts, and methodology, see the February 1985 issue of the *Survey*.

**Sales and inventories.**—Sales are estimated aggregate values, and inventories are book values at the end of the period. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturers' inventories are valued at approximate current costs or at book values, as reported by the manufacturer. Inventories (see table 857) are based on data from censuses (conducted every five years, for years ending in "2" and "7") and annual surveys. Monthly data for manufacturing appear in the Bureau of the Census Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders*, series M3-1; for data on retail and wholesale trade, see section 28.

**Sales, assets, net income, stockholder's equity, and total returns to investors.**—Sales include service and rental revenues but exclude dividends, interest, and other non-operating revenues. All companies on the list must have derived more than 50 percent of their sales from manufacturing and/or mining. Sales of subsidiaries are included when they are consolidated. Assets are those shown at the company's year-end. Net income is shown after taxes and after extraordinary credits or charges when any are shown on the income statement. Stockholder's equity is the sum of capital stock, surplus and retained earnings at the company's year-end. Redeemable preferred stock is excluded when its redemption is either mandatory or outside the control of the company, except in the case of cooperatives. Total returns to investors include both price appreciation and dividend yield. Returns are adjusted for stock splits, stock dividends, recapitalizations, and corporate reorganizations as they occur. For further discussion, see Time, Inc., New York, NY, *The Fortune Directory*, May and June issues.

**Economic censuses.**—The economic censuses constitute comprehensive and periodic canvasses of the Nation's industrial and business activities. The first economic census of the United States was conducted as part of the 1810 decennial census, when inquiries on manufacturing were included with the census of population. Minerals data were collected in 1840. The first censuses of construction and business were taken for 1929. An integrated economic census program was begun for 1954. In that year, the censuses covered the retail and wholesale trades, selected service industries, manufactures, and mineral industries. The economic censuses are taken at 5-year intervals covering years ending in "2" and "7".

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

**NO. 823. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY TYPE OF BUSINESS: 1970 TO 1984**

[Figures are estimates based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12. For further information regarding corporations, see table 848]

ITEM	Unit	1970	1975	1976	1979	1983	1981	1983	1983	1984
Number .....	1,000 .....	12,001	13,970	15,629	16,187	16,793	18,880	14,546	15,245	16,077
Receipts .....	Bil. dol. ....	2,082	3,685	5,377	6,345	7,159	7,725	7,765	7,901	6,752
Net income (less deficit) <sup>1</sup> .....	Bil. dol. ....	198	198	320	361	302	264	198	245	301
Proprietorships, number <sup>2</sup> .....	1,000 .....	9,400	10,882	12,018	12,330	12,702	9,585	10,106	10,704	11,262
Business receipts <sup>3</sup> .....	Bil. dol. ....	238	339	443	488	508	427	434	465	516
Net income (less deficit) <sup>1</sup> .....	Bil. dol. ....	33	45	59	81	55	53	51	60	71
Partnerships, number .....	1,000 .....	938	1,073	1,234	1,300	1,380	1,481	1,514	1,542	1,844
Total receipts <sup>4</sup> .....	Bil. dol. ....	93	147	219	256	292	272	297	291	375
Net income (less deficit) <sup>1</sup> .....	Bil. dol. ....	10	8	14	15	8	-3	-7	-3	-3
Corporations, number .....	1,000 .....	1,685	2,024	2,377	2,557	2,711	2,812	2,926	2,999	3,171
Total receipts <sup>4</sup> .....	Bil. dol. ....	1,751	3,199	4,715	5,599	6,381	7,026	7,024	7,135	7,861
Net income (less deficit) <sup>1</sup> .....	Bil. dol. ....	66	143	247	285	239	214	154	168	233

<sup>1</sup> Net income (less deficit) is defined differently by form of organization, basically as follows: (a) Proprietorships: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income are excluded; (b) Partnerships: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income, except capital gains, are included; (c) Corporations: Total taxable receipts less total deductions, including cost of sales and operations, investment and other income, such as capital gains and income from foreign corporations considered received for tax purposes only, are included; net income is before income tax. <sup>2</sup> Through 1980, includes both individually owned businesses and farms; beginning 1981, includes only nonfarm businesses. <sup>3</sup> Receipts from sales and services less allowances, rebates, and returns; excludes capital gains and losses, and investment income not associated with taxpayer's business. <sup>4</sup> Gross taxable receipts from all sources before deduction of cost of goods sold, cost of operations, and net loss from sales of noncapital assets.

Source: U.S. Internal Revenue Service, *Statistics of Income*, and various publications.

**NO. 824. NUMBER OF RETURNS AND BUSINESS RECEIPTS, BY SIZE OF RECEIPTS AND TYPE OF BUSINESS: 1970 TO 1984**

[See headnote, table 825. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12. For further information regarding corporations, see table 846]

SIZE-CLASS OF RECEIPTS	1970		1975		1983		1982		1983		1984	
	Re- turns (1,000)	Re- ceipts (bil. dol.)	Re- turns (1,000)	Re- ceipts (bil. dol.)	Re- turns (1,000)	Re- ceipts (bil. dol.)	Re- turns (1,000)	Re- ceipts (bil. dol.)	Re- turns (1,000)	Re- ceipts (bil. dol.)	Re- turns (1,000)	Re- ceipts (bil. dol.)
Corporate returns <sup>1</sup> .....	1,886	1,621	2,024	2,982	2,712	5,732	2,926	6,157	2,999	6,335	3,171	6,948
Under \$25,000 <sup>2</sup> .....	452	2	489	2	557	3	620	3	629	3	886	3
\$25,000-\$49,999 .....	171	5	188	5	208	6	218	7	213	7	213	7
\$50,000-\$99,999 .....	220	14	261	17	323	21	325	22	330	22	339	23
\$100,000-\$499,999 .....	517	116	674	155	926	215	1,021	242	1,043	250	1,084	261
\$500,000-\$999,999 .....	141	95	184	125	280	192	296	203	316	217	345	238
\$1,000,000 or more .....	165	1,391	250	2,658	418	5,294	446	5,680	468	5,835	505	6,417
Partnership returns <sup>1</sup> .....	938	90	1,073	146	1,390	296	1,514	332	1,541	243	1,843	318
Under \$25,000 <sup>2</sup> .....	502	3	550	4	636	4	778	5	781	2	820	2
\$25,000-\$49,999 .....	125	4	140	5	182	7	182	7	177	3	197	4
\$50,000-\$99,999 .....	120	8	133	10	184	13	187	13	204	8	200	8
\$100,000-\$499,999 .....	162	33	204	44	290	64	278	61	282	42	313	46
\$500,000-\$999,999 .....	17	12	26	17	48	33	50	35	54	25	61	27
\$1,000,000 or more .....	10	30	18	66	37	184	39	211	44	163	52	232
Non-farm proprietorship returns <sup>2</sup> .....	6,494	199	<sup>3</sup> 7,760	274	<sup>3</sup> 9,730	411	10,108	434	10,704	465	11,262	516
Under \$25,000 .....	4,738	30	5,627	35	6,916	44	7,203	45	7,591	49	7,832	52
\$25,000-\$49,999 .....	746	27	850	30	1,079	39	1,117	40	1,187	42	1,261	45
\$50,000-\$99,999 .....	562	40	645	45	836	59	844	59	919	65	1,061	74
\$100,000-\$499,999 .....	420	76	590	113	796	159	838	166	889	178	984	203
\$500,000-\$999,999 .....	21	14	35	24	74	50	68	47	83	57	86	61
\$1,000,000 or more .....	7	12	13	28	29	61	36	76	35	74	37	81

<sup>1</sup> Includes firms with no receipts. <sup>2</sup> Business receipts. Active firms only. <sup>3</sup> Number of businesses. Number of non-farm sole proprietorship returns is not available prior to 1981. However, the number of returns and the number of businesses are very closely related. Since 1970, the ratio of number of returns to the number of businesses has remained approximately 1 to 1.1.

Source: U.S. Internal Revenue Service, *Statistics of Income*, and unpublished data.



No. 825. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY INDUSTRY AND TYPE OF BUSINESS:  
1984

[Figures are estimates based on sample of unaudited tax returns; see Appendix III. Due to minor variations in estimating techniques, totals differ slightly from those shown in other IRS tables in this section. For further information regarding corporations, see table 846. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (-) indicates net loss]

INDUSTRY	NUMBER OF RETURNS (1,000)			BUSINESS RECEIPTS <sup>1</sup> (bil. dol.)			NET INCOME (less deficit) <sup>2</sup> (bil. dol.)		
	Nonfarm proprietor- ships	Active partner- ships	Active corpora- tions	Nonfarm proprietor- ships	Active partner- ships	Active corpora- tions	Nonfarm proprietor- ships	Active partner- ships	Active corpora- tions
Total <sup>3</sup> .....	11,862	1,844	3,171	516.0	318.3	6,948.5	70.8	- 3.6	232.9
Agriculture, forestry, and fishing.....	323	139	96	10.7	5.9	62.1	.9	-.7	.2
Mining.....	153	57	41	13.2	18.6	111.0	.4	.1	-.4
Construction.....	1,386	65	307	86.3	23.2	326.8	10.1	2.2	2.9
Manufacturing.....	320	30	272	18.2	18.3	2,609.0	1.4	- 1.1	121.2
Transportation, public utilities <sup>4</sup> .....	572	21	126	29.1	10.7	693.1	3.3	- 2.0	28.9
Wholesale and retail trade <sup>5</sup> .....	2,361	185	897	196.0	72.3	2,250.8	7.7	1.7	42.0
Wholesale.....	225	21	304	29.8	26.2	1,130.1	1.6	.4	24.3
Retail.....	2,012	163	566	160.6	44.1	1,116.4	5.4	1.3	17.6
Finance, insurance, real estate.....	884	791	497	30.0	<sup>6</sup> 94.4	<sup>6</sup> 431.1	9.5	- 19.2	32.7
Services.....	4,990	331	899	147.4	90.2	458.0	36.6	15.6	5.5

<sup>1</sup> See footnote 4, table 823.    <sup>2</sup> See footnote 2, table 823.    <sup>3</sup> Includes business not specifically allocated to industries below. See also exception in footnote 6.    <sup>4</sup> Includes sanitary services.    <sup>5</sup> Includes trade business not identified as wholesale or retail.    <sup>6</sup> Includes total receipts from all sources (including investment income) for businesses in this category; therefore, the industry detail in this column exceeds the total.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications.

No. 826. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY INDUSTRY, BY TYPE OF BUSINESS,  
AND BY SIZE OF BUSINESS RECEIPTS: 1984

[Number in thousands; receipts and net income in millions of dollars. See headnote, table 825. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (-) indicates net loss]

INDUSTRY	Non- farm pro- prietor- ships, <sup>1</sup> total	ACTIVE PARTNERSHIPS			ACTIVE CORPORATIONS				
		Under \$100,000 <sup>2</sup>	\$100,000- \$499,999	\$500,000 or more	Under \$1,000,000	\$1,000,000- \$4,999,999	\$5,000,000- \$9,999,999	\$10,000,000- \$49,999,999	\$50,000,000 or more
All industrial divisions: <sup>3</sup>									
Number.....	11,262	1,196	327	119	2,666	363	61	50	10
Business receipts <sup>4</sup> .....	516,037	13,409	45,683	259,250	531,963	783,416	399,133	922,096	4,311,872
Net income <sup>5</sup> .....	70,767	- 18,947	1,555	13,892	- 746	14,595	6,109	24,610	186,331
Agriculture, forestry, fishing:									
Number.....	322	130	8	1	90	7	1	1	(Z)
Business receipts <sup>4</sup> .....	10,700	534	1,673	3,679	62,093	14,140	5,977	11,606	13,960
Mining:									
Number.....	153	43	9	5	34	5	1	1	(Z)
Business receipts <sup>4</sup> .....	13,190	537	1,998	16,103	5,387	10,796	4,459	12,743	77,645
Construction:									
Number.....	1,386	34	25	5	250	47	6	3	(Z)
Business receipts <sup>4</sup> .....	66,311	1,215	5,191	16,791	61,972	96,758	40,250	65,145	62,626
Manufacturing:									
Number.....	320	21	5	3	185	59	13	12	3
Business receipts <sup>4</sup> .....	18,176	476	1,149	16,700	49,840	133,379	91,434	241,416	2,082,903
Transportation, public utilities: <sup>6</sup>									
Number.....	572	16	3	2	108	16	2	2	1
Business receipts <sup>4</sup> .....	29,069	506	812	9,323	21,545	34,333	15,797	31,363	590,066
Wholesale and retail trade:									
Number.....	2,361	102	61	22	671	170	28	24	3
Business receipts <sup>4</sup> .....	195,961	3,133	14,371	54,832	184,411	363,749	196,661	466,173	1,035,780
Finance, insurance, real estate:									
Number.....	954	603	135	53	481	25	5	5	2
Business receipts <sup>4</sup> .....	29,977	1,094	3,500	50,219	32,561	24,531	9,022	33,546	331,478
Services:									
Number.....	4,860	226	77	29	636	53	5	3	1
Business receipts <sup>4</sup> .....	147,436	5,394	16,391	66,469	157,611	103,246	33,061	56,705	107,416

Z Less than 500 returns.    <sup>1</sup> Individually owned businesses.    <sup>2</sup> Includes businesses without receipts.    <sup>3</sup> Includes busi-  
nesses not allocable to individual industries.    <sup>4</sup> See footnote 4, table 823.    <sup>5</sup> Less deficit. See footnote 2, table 823.    <sup>6</sup> Includes sanitary services.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications and unpublished data.

### NO. 827. NONFARM SOLE PROPRIETORSHIP RETURNS—SELECTED INCOME AND DEDUCTION ITEMS: 1970 TO 1985

(In millions of dollars, except as indicated. All figures are estimates based on samples. Tax law changes have affected the comparability of the data over time. See *Statistics of Income* reports for a description of appropriate years tax law changes; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 4-8)

ITEM	1970	1971	1972	1973	1974	1975	1976	1977
Number of returns, total (1,000)	5,770	7,221	8,532	9,585	10,106	10,704	11,262	11,829
Number with net business income (1,000)	(NA)	(NA)	(NA)	5,535	5,761	7,390	8,003	8,641
Inventory, end of year	11,051	15,578	21,966	22,922	21,805	(NA)	23,233	24,970
Business receipts, total	196,582	273,955	411,208	427,083	433,665	465,169	516,037	540,045
Income from sales and operations	(NA)	272,343	407,169	421,700	429,312	455,392	507,234	(NA)
Deductions, total	168,045	234,318	356,258	373,991	383,092	404,809	445,270	461,273
Cost of goods sold/operations	109,149	146,281	209,890	209,724	205,471	212,631	229,906	232,294
Purchases	68,586	117,722	166,302	167,751	161,295	(NA)	(NA)	(NA)
Labor costs	7,704	8,791	10,922	10,923	11,425	9,871	13,009	14,504
Materials and supplies	6,216	9,091	12,909	12,081	12,736	(NA)	(NA)	(NA)
Commissions	1,274	2,226	3,333	3,540	4,484	(NA)	(NA)	(NA)
Salaries and wages (net)	15,107	20,228	26,561	28,749	30,403	31,666	34,666	36,266
Car and truck expenses	(NA)	(NA)	13,378	12,358	(NA)	14,755	17,524	(NA)
Rent paid	4,837	6,676	9,636	10,715	11,797	11,831	14,278	15,259
Repairs	2,445	3,044	5,032	5,414	6,006	(NA)	(NA)	(NA)
Taxes paid	3,776	5,424	7,672	8,681	7,748	(NA)	(NA)	(NA)
Utilities	(NA)	(NA)	4,790	8,276	(NA)	(NA)	(NA)	(NA)
Insurance	2,310	3,504	6,003	6,239	6,448	(NA)	(NA)	(NA)
Interest paid	1,784	3,391	7,190	9,062	10,143	9,926	11,025	11,914
Depreciation	5,452	7,958	13,953	15,855	19,122	22,070	23,900	26,291
Pension and profit sharing plans	73	125	141	153	136	123	258	311
Net income (less loss)	30,537	39,637	54,947	53,072	50,573	60,360	70,767	78,773
Businesses with profit	33,736	45,825	68,010	68,563	68,647	79,618	89,849	99,776

NA Not available. <sup>1</sup> Includes breakeven businesses.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer, 1987

### NO. 828. PARTNERSHIP RETURNS—SELECTED INCOME STATEMENT AND BALANCE SHEET ITEMS: 1970 TO 1984

(In millions of dollars, except as indicated. All figures are estimates based on samples. See headnote, table 827. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, Series V 7-9)

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978
Active partnerships, number (1,000)	936	1,073	1,234	1,300	1,380	1,461	1,514	1,542	1,644
Number with net income (1,000)	640	661	762	766	774	791	784	845	845
Number with balance sheets (1,000)	556	763	1,024	(NA)	1,194	1,196	1,223	1,191	1,215
Number of partners (1,000)	3,698	4,951	6,121	6,955	8,420	9,448	9,765	10,589	12,427
Assets, total <sup>1</sup>	116,753	235,468	353,696	447,130	597,504	715,233	845,281	886,993	1,030,649
Buildings/depreciable assets (net)	(NA)	113,125	158,728	(NA)	239,149	367,270	310,846	345,897	581,843
Inventories, end of year	(NA)	11,965	17,203	(NA)	33,218	59,650	100,729	77,059	61,756
Land	(NA)	36,732	46,442	(NA)	70,241	78,333	87,620	96,427	122,037
Liabilities, total	(NA)	193,876	293,050	(NA)	488,734	580,034	701,630	745,153	855,373
Accounts payable	(NA)	12,302	20,943	(NA)	33,899	29,092	37,255	34,725	32,780
Short-term debt <sup>2</sup>	(NA)	22,708	27,811	(NA)	46,002	55,692	73,278	67,295	68,626
Long-term debt <sup>3</sup>	(NA)	136,297	114,943	(NA)	178,044	186,508	236,218	268,268	322,327
Nonrecourse loans	(NA)	(*)	63,747	(NA)	116,910	138,134	154,509	164,829	260,167
Partner's capital accounts	(NA)	41,593	60,646	(NA)	108,770	135,198	143,651	141,840	175,476
Total receipts	93,348	148,416	219,192	258,198	291,998	272,130	298,690	291,319	375,193
Business receipts	90,209	142,506	207,731	242,654	271,109	230,027	261,609	243,248	318,342
Interest received <sup>4</sup>	642	2,447	4,347	7,246	10,869	13,773	15,260	15,006	16,651
Deductions, total	83,558	140,680	204,745	242,992	263,749	274,865	304,005	293,929	378,693
Cost of goods sold/operations	46,041	64,673	87,217	102,097	113,886	130,044	144,595	125,331	160,858
Salaries and wages	8,129	12,469	16,585	19,393	22,336	21,953	23,205	24,734	26,523
Taxes paid	3,159	5,771	7,365	8,329	9,553	5,040	5,289	5,910	6,673
Interest paid	4,470	12,097	16,023	21,276	26,362	19,586	21,517	22,384	25,438
Depreciation	4,579	10,109	14,520	17,663	21,576	27,263	32,962	37,340	19,782
Net income (less loss)	9,790	7,738	14,447	15,206	8,249	2,735	7,315	2,610	-3,500
Businesses with profit	14,419	22,432	33,689	40,001	45,062	50,567	53,557	60,306	69,697

NA Not available. <sup>1</sup> Total assets, total liabilities, and partner's capital accounts are somewhat understated because not all partnership returns filed contained a complete balance sheet. <sup>2</sup> Represents mortgages, notes, and bonds payable in less than one year. <sup>3</sup> Represents mortgages, notes, and bonds payable in one year or more. <sup>4</sup> Tax year 1975 long term debt included nonrecourse loans. <sup>5</sup> Beginning 1982, includes both interest and dividends.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1984 and Fall 1986.

## NO. 828. PARTNERSHIPS—SELECTED ITEMS BY INDUSTRIAL DIVISION: 1980 TO 1985

(In millions of dollars, except partners and partnerships in thousands. Includes partnership not allocable by nature of business. Figures are estimates based on samples. See Appendix III)

INDUSTRY AND YEAR	NUMBER OF PARTNERSHIPS			Number of partners	Total assets	Business receipts <sup>1</sup>	Total deductions <sup>2</sup>	Net income less loss <sup>3</sup>	Net income	Net loss
	Total	With net income	With net losses							
<b>All industries:</b>										
1980	1,380	774	605	6,420	597,504	265,967	283,749	8,349	45,082	36,812
1981	1,491	749	711	9,095	715,233	262,499	274,866	-2,735	50,567	53,302
1982	1,514	791	723	9,765	845,281	264,037	304,005	-7,315	53,557	60,871
1983	1,542	784	758	10,589	885,993	278,347	293,929	-2,810	60,309	62,818
1984	1,644	845	799	12,427	1,030,849	318,342	378,693	-3,500	69,887	73,197
1985	1,714	876	838	14,190	1,269,434	302,733	376,170	-7,814	78,114	85,928
<b>Agriculture, forestry, and fishing:</b>										
1980	125	72	54	381	24,585	21,811	22,859	472	2,539	2,067
1981	125	64	61	405	23,130	4,993	8,089	-704	2,133	2,837
1982	133	68	65	450	24,814	5,004	8,403	-701	2,462	3,153
1983	137	73	63	485	24,717	5,949	8,772	-146	2,829	2,771
1984	139	73	66	494	26,739	5,899	8,242	-749	2,476	3,227
1985	136	76	60	585	27,027	6,529	10,495	-1,049	2,797	3,848
<b>Mining:</b>										
1980	35	15	20	722	24,742	13,291	16,248	-4,206	3,920	6,128
1981	51	20	32	1,475	34,345	15,329	27,113	-10,109	4,832	14,942
1982	56	23	33	1,574	45,550	17,563	26,628	-8,630	5,795	14,625
1983	60	24	36	2,093	49,775	17,077	23,596	4,110	6,369	10,479
1984	57	31	26	2,007	52,415	18,838	21,985	69	7,857	7,789
1985	63	33	30	4,153	66,930	19,922	22,089	2,551	8,954	6,402
<b>Oil and gas extraction:</b>										
1980	31	14	17	986	18,881	9,252	13,659	-3,864	3,577	7,271
1981	47	19	28	1,441	27,315	11,009	21,954	9,366	4,465	13,872
1982	51	22	29	1,512	38,048	13,717	23,525	-7,727	5,493	13,220
1983	56	23	33	1,988	41,087	13,226	19,048	-3,546	5,917	9,469
1984	51	27	24	1,833	41,288	14,177	16,874	787	7,349	6,561
1985	56	31	25	4,076	55,780	15,577	16,548	3,343	6,350	6,008
<b>Construction:</b>										
1980	67	51	16	180	9,811	16,407	17,202	1,560	2,119	599
1981	70	50	20	195	11,008	16,554	15,810	1,209	1,848	639
1982	66	47	19	152	11,554	18,052	17,181	1,419	2,091	642
1983	64	46	18	149	14,965	21,823	20,758	2,188	3,087	919
1984	66	47	19	173	13,783	23,196	21,655	2,193	2,995	773
1985	57	41	16	134	15,008	21,476	20,080	2,207	2,743	539
<b>Manufacturing:</b>										
1980	30	20	10	92	11,252	15,327	16,142	-472	1,199	1,671
1981	30	19	12	91	10,988	14,234	15,026	-441	1,100	1,540
1982	23	14	9	77	13,022	14,824	15,960	-816	940	1,799
1983	26	12	14	91	13,966	14,179	15,291	744	890	1,634
1984	30	15	15	94	19,574	16,326	20,046	-1,101	1,195	2,299
1985	30	12	18	105	24,639	22,586	24,225	-1,065	1,229	2,314
<b>Transportation and public utilities:</b>										
1980	20	11	10	79	9,291	5,896	5,621	246	1,092	844
1981	22	10	11	73	11,627	6,240	6,654	-228	1,103	1,331
1982	18	8	10	89	17,671	6,570	7,577	-701	1,089	1,899
1983	20	9	11	103	19,809	7,155	8,194	-703	1,129	1,831
1984	21	14	7	142	21,109	10,793	13,332	-2,007	1,280	3,299
1985	25	15	10	186	26,498	11,253	14,614	-3,066	1,380	4,426
<b>Wholesale and retail trade:</b>										
1980	209	123	77	487	17,727	65,793	63,969	2,475	3,374	800
1981	217	116	99	529	20,253	70,442	69,653	1,317	2,939	1,622
1982	205	118	87	491	19,279	69,796	69,980	1,601	3,043	1,442
1983	194	102	92	479	19,804	69,880	59,140	1,540	3,012	1,472
1984	185	95	87	444	21,222	72,335	71,707	1,696	3,239	1,572
1985	201	113	88	493	20,599	69,079	69,119	1,977	3,467	1,489
<b>Finance, insurance, and real estate:</b>										
1980	637	313	325	5,586	454,531	87,133	91,382	4,249	15,189	19,419
1981	682	300	382	5,326	550,143	73,574	78,934	-5,360	19,771	25,131
1982	729	334	395	5,757	647,465	85,805	97,051	-11,155	19,465	30,821
1983	730	327	403	5,927	670,225	78,784	89,889	-13,105	22,542	35,847
1984	791	350	441	7,408	770,457	94,382	113,808	-19,244	25,846	44,890
1985	844	389	475	7,755	979,787	45,873	118,237	-25,929	30,363	58,311
<b>Real estate:</b>										
1980	484	211	253	3,212	275,895	80,637	63,924	-3,267	8,125	11,412
1981	522	216	307	3,193	337,366	30,526	38,433	-7,907	6,952	17,780
1982	569	245	323	3,736	394,998	33,998	45,069	-11,100	11,940	23,039
1983	585	245	341	4,329	455,891	41,355	56,234	-14,879	14,601	29,480
1984	637	292	375	5,131	596,425	26,011	74,922	-21,204	18,548	39,782
1985	694	295	409	5,992	724,342	28,809	89,505	-29,759	21,007	50,769
<b>Services:</b>										
1980	263	169	94	998	45,510	59,627	48,108	12,424	15,648	3,224
1981	263	168	95	1,025	53,559	60,997	53,232	11,616	18,804	5,186
1982	279	175	104	1,147	64,798	65,635	59,627	11,902	19,556	6,899
1983	306	189	118	1,276	73,186	75,099	67,639	12,457	20,570	6,119
1984	331	204	127	1,578	87,984	80,844	82,239	15,683	24,800	9,217
1985	341	207	134	1,713	106,597	104,197	95,202	15,641	26,942	10,490

<sup>1</sup> Total receipts for partnerships in finance, insurance, and real estate, and business receipts for all other industries.

<sup>2</sup> Beginning 1981, the agriculture, forestry, and fishing industries are based on revised collection procedure. See source for detail.

Source: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns—1979-1982*, and *Statistics of Income Bulletin*.

No. 830. EMPLOYEES AND PAYROLL, BY INDUSTRY: 1975 TO 1985

INDUSTRY	EMPLOYEES (1,000)					PAYROLL (bil. dol.)				
	1975	1980	1983	1984	1985	1975	1983	1983	1984	1985
Industries <sup>1</sup> .....	60,564	74,836	72,971	77,389	81,119	985	1,039	1,389	1,407	1,514
Public services <sup>2</sup> .....	195	290	325	354	382	2	3	4	5	5
.....	717	986	972	975	943	10	22	27	26	28
Construction.....	3,321	4,474	3,765	4,172	4,460	44	76	60	90	98
Mining.....	18,374	21,152	18,232	19,325	19,434	213	357	388	439	458
Utilities <sup>3</sup> .....	3,935	4,631	4,551	4,675	4,816	51	68	108	115	123
Wholesale trade.....	4,333	5,216	5,122	5,388	5,625	52	89	107	120	130
Retail trade.....	12,271	15,045	15,232	16,081	16,852	78	124	151	168	179
Finance and insurance <sup>4</sup> .....	4,263	5,278	5,545	5,763	6,004	42	77	108	118	132
.....	12,658	17,195	18,832	20,349	21,543	102	198	277	311	346

1 Includes nonclassifiable establishments, not shown separately. 2 Includes forestry and fisheries. 3 Includes other public utilities. 4 Includes real estate.

U.S. Bureau of the Census, County Business Patterns, annual.

No. 831. EMPLOYEES AND PAYROLL, BY EMPLOYMENT-SIZE CLASS: 1975 TO 1985

[See headnote, table 832]

EMPLOYMENT-SIZE CLASS	Unit	1975	1975	1970	1980	1981	1982	1985	1984	1985
All, total.....	1,000.....	60,564	70,289	74,881	74,230	74,600	74,297	72,971	77,986	81,119
100 employees.....	1,000.....	18,393	18,723	19,408	19,423	19,515	19,898	20,136	21,171	21,810
100 employees.....	1,000.....	16,272	19,612	20,992	21,168	21,231	21,143	20,806	22,449	23,539
100 employees.....	1,000.....	13,713	16,327	17,527	17,640	17,977	17,444	16,794	18,348	19,410
100 employees.....	1,000.....	4,872	5,537	5,760	5,689	5,497	5,436	5,166	5,614	5,716
100 more employees.....	1,000.....	9,315	10,090	10,976	10,716	10,630	10,378	10,050	10,413	10,645
Payroll.....	Bil. dol.....	586	841	952	1,039	1,150	1,199	1,389	1,407	1,514
100 employees.....	Bil. dol.....	136	190	210	231	254	272	298	326	352
100 employees.....	Bil. dol.....	147	211	239	261	288	303	319	356	388
100 employees.....	Bil. dol.....	135	196	224	249	279	288	297	334	362
100 employees.....	Bil. dol.....	53	74	84	91	99	104	107	120	126
100 more employees.....	Bil. dol.....	123	170	196	208	229	234	248	269	288

U.S. Bureau of the Census, County Business Patterns, annual.

No. 832. EMPLOYEES AND PAYROLL, BY EMPLOYMENT-SIZE CLASS AND INDUSTRY: 1985

Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data]

EMPLOYMENT-SIZE CLASS	Unit	All industries <sup>1</sup>	Agricultural services <sup>2</sup>	Mining	Contract construction	Manufacturing	Transportation <sup>3</sup>	Wholesale trade	Retail trade	Finance and insurance <sup>4</sup>	Services
All, total.....	1,500.....	81,119	302	943	4,480	19,434	4,816	5,625	16,852	6,004	21,543
100 employees.....	1,000.....	21,810	220	148	1,803	1,432	804	2,057	6,293	1,774	6,396
100 employees.....	1,000.....	23,539	100	263	1,530	3,935	1,292	2,199	7,054	1,704	5,307
100 employees.....	1,000.....	19,410	47	317	781	6,574	1,305	1,036	2,941	1,318	5,082
100 employees.....	1,000.....	5,716	10	113	136	2,473	439	183	350	408	1,803
100 more employees.....	1,090.....	10,645	5	101	231	5,020	976	151	214	800	3,146
Payroll.....	Bil. dol.....	1,514	5.2	28.2	97.8	457.8	122.8	130.5	179.2	131.7	346.2
100 employees.....	Bil. dol.....	352	3.0	3.8	34.1	27.1	15.7	44.4	63.5	34.8	112.6
100 employees.....	Bil. dol.....	388	1.3	7.0	34.4	77.1	28.9	49.7	72.0	37.0	78.9
100 employees.....	Bil. dol.....	362	.6	9.9	19.2	137.4	33.8	26.7	34.1	29.5	71.3
100 employees.....	Bil. dol.....	126	(z)	4.0	3.6	59.2	12.8	5.4	5.3	9.4	25.8
100 more employees.....	Bil. dol.....	288	(z)	3.5	6.6	157.0	31.6	4.4	4.3	21.1	57.7

1 Less than \$500 million. 2 Includes nonclassifiable establishments not shown separately. 3 Includes forestry and other public utilities. 4 Includes real estate.

U.S. Bureau of the Census, County Business Patterns, annual.

## NO. 833. CONSUMER AND FARMER COOPERATIVES, BY TYPE OF ASSOCIATION: 1970 TO 1985

(Members in thousands; business in millions of dollars. Business refers to loans outstanding)

TYPE OF ASSOCIATION	1970			1981			1985		
	Associa- tions	Mem- bers	Busi- ness	Associa- tions	Mem- bers	Busi- ness	Associa- tions	Mem- bers	Busi- ness
Credit unions <sup>1</sup>	23,856	22,819	14,105	20,697	45,089	50,394	15,045	45,265	74,409
Electric power cooperatives <sup>2</sup>	875	5,789	1,185	889	9,028	7,440	888	10,032	11,032
Rural telephone cooperatives <sup>3</sup>	235	809	66	254	952	391	250	1,047	607
Independent prepaid and self-insured health plans <sup>4</sup>	* 482	* 12,204	1,088	(NA)	* 29,107	* 9,353	(NA)	(NA)	(NA)
Farmer cooperatives selling producer and consumer goods <sup>5</sup>	6,209	(NA)	3,871	5,009	(NA)	17,059	4,288	(NA)	18,541

NA, Not available. <sup>1</sup> Beginning 1985, covers federally insured credit unions. Source: National Credit Union Administration, *Annual Report of the National Credit Union Administration and State Chartered Credit Unions*. <sup>2</sup> Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Electric Borrowers*. <sup>3</sup> Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*. <sup>4</sup> Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, September 1982, and unpublished data. <sup>5</sup> 1986 data. <sup>6</sup> 1979 data. <sup>7</sup> Data for fiscal years ending June 30 or earlier in years shown.

Source: Except as noted, U.S. Dept. of Agriculture, Agricultural Cooperative Service, unpublished data.

## NO. 834. INDUSTRIAL AND COMMERCIAL STARTS AND FAILURES—NUMBER AND LIABILITIES: 1970 TO 1986

[Excludes Hawaii prior to 1975, Alaska prior to 1976. Commercial and industrial failures only through 1983, excluding failures of banks, railroads, real estate, insurance, holding, and financial companies, steamship lines, travel agencies, etc. Data for 1984-86 based on expanded coverage and new methodology and are therefore not generally comparable with earlier data. See also *Historical Statistics, Colonial Times to 1970, series V 20-30*]

YEAR	Total concerns in business <sup>1</sup> (1,000)	Index of net business formations <sup>2</sup> (1967 = 100)	New incorporations <sup>3</sup> (1,000)	FAILURES <sup>4</sup>			YEAR	Total concerns in business <sup>1</sup> (1,000)	Index of net business formations <sup>2</sup> (1967 = 100)	New incorporations <sup>3</sup> (1,000)	FAILURES <sup>4</sup>		
				Number	Rate per 10,000 concerns	Current liabilities <sup>5</sup> (mil. dol.)					Number	Rate per 10,000 concerns	Current liabilities <sup>5</sup> (mil. dol.)
1970	2,442	106.8	284	10,748	44	1,888	1982	2,806	116.4	567	24,908	88	15,511
1975	2,579	109.9	326	11,432	43	4,380	1983	2,851	117.5	600	31,334	110	16,073
1980	2,760	129.9	534	11,742	42	4,635	1984	4,885	121.8	657	52,078	107	29,288
1981	2,745	124.8	561	16,794	61	6,955	1985	4,880	120.9	657	57,078	115	36,937
							1986, prel.	5,119	120.4	657	51,232	120	44,048

<sup>1</sup> Data through 1983 represent number of names listed in July issue of *Dun & Bradstreet Reference Book*. Data for 1984-86 represent the number of establishments listed in the *Dun's Census of American Business*. The base has been changed due to expanded business failure coverage. <sup>2</sup> Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, June issues.

<sup>3</sup> Includes concerns discontinued following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc., voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership and reorganization or arrangement which may or may not lead to discontinuance; and businesses making voluntary compromise with creditors out of court. <sup>4</sup> Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.

## NO. 835. NEW BUSINESS INCORPORATIONS AND NUMBER OF FAILURES, BY STATE: 1985 AND 1986

[1986 preliminary. Business incorporations in thousands. See headnote, table 834]

DIVISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES		DIVISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES		DIVISION AND STATE	NEW BUSINESS INCORPORATIONS		NUMBER OF FAILURES	
	1985	1986	1985	1986		1985	1986	1985	1986		1985	1986	1985	1986
U.S.	962.0	702.1	57,253	51,232	W.N.C.—					W.S.C.				
NE	37.8	42.0	1,229	1,116	MO.	10.2	11.2	1,247	1,622	AR	86.3	83.9	7,943	12,794
ME	2.6	3.1	80	59	ND	9	8	94	98	LA	5.3	5.8	622	372
NH	3.5	3.9	81	54	SD	9	1.0	145	150	OK	11.4	11.7	1,363	1,834
VT	1.7	1.8	36	30	NE	2.6	2.8	487	365	TX	8.1	7.8	1,030	2,634
MA	15.8	17.3	683	733	KS	4.8	4.4	1,583	1,672	MI	41.4	36.8	4,908	7,574
RI	3.1	3.5	80	37	LA	198.3	183.1	6,565	6,355	MT	48.4	48.5	5,368	5,894
CT	11.2	12.5	308	202	DE	26.6	31.5	48	46	WY	1.4	1.5	194	184
MA	120.3	130.2	4,488	3,880	MO	14.2	16.0	450	462	ID	1.6	1.8	203	311
NY	72.1	76.9	1,851	1,510	DC	2.2	2.3	60	69	WY	1.0	1.0	274	281
NJ	30.5	33.1	990	907	VA	15.0	16.7	991	684	CO	14.2	15.9	2,684	3,254
PA	17.7	20.2	1,657	1,563	WV	2.5	2.6	367	225	NM	2.6	2.5	358	289
E.N.C.	81.6	85.4	9,895	8,589	NC	11.8	12.7	665	583	AZ	12.9	12.5	693	684
OH	17.2	18.4	2,456	2,057	SC	7.1	6.2	230	284	UT	9.7	3.9	576	571
IN	9.9	10.7	1,245	1,085	GA	17.3	17.8	952	606	NV	8.7	9.5	367	380
IL	26.1	27.0	3,402	3,277	FL	71.6	77.8	2,794	3,316	Pac.	62.8	65.8	13,867	13,867
MI	21.9	22.9	1,465	1,809	E.S.C.	26.9	27.9	3,276	2,883	WA	9.4	9.0	1,637	1,774
WA	6.4	6.5	1,427	1,561	KY	7.9	7.7	983	947	OR	7.2	7.3	1,161	1,001
W.N.C.	22.7	24.0	4,892	5,295	TN	8.7	9.3	1,217	1,186	CA	61.2	67.2	10,296	10,180
MD	8.2	9.7	508	635	AL	6.1	6.8	608	399	AK	2.1	1.7	179	388
IA	4.1	4.8	630	663	MS	3.2	3.1	486	501	HI	3.0	2.8	250	383

Source of tables 834 and 835: Except as noted, Dun & Bradstreet Corporation, New York, NY, *The Failure Record Through 1986 and Monthly Failure Report*.

## NO. 836. BUSINESS FAILURES BY INDUSTRY SECTOR: 1984 TO 1986

[Data based on expanded coverage and new methodology and are therefore not directly comparable with data prior to 1984. See section 16 for bank failures]

INDUSTRY	1984	1985	1986, prel.	INDUSTRY	1984	1985	1986, prel.
<b>Total</b> .....	<b>52,078</b>	<b>57,253</b>	<b>61,232</b>	Wholesale trade .....	4,882	4,836	4,815
Agricultural, forestry and fishing .....	1,988	2,699	2,622	Retail trade .....	13,787	13,494	13,524
Mining .....	744	798	911	Finance, insurance, real estate .....	2,392	2,676	2,771
Construction .....	6,936	7,005	7,037	Services .....	12,787	16,649	20,912
Manufacturing .....	5,015	4,869	4,740	Public administration .....	16	12	20
Transportation and public utilities .....	2,285	2,536	2,552	Unclassifiable establishments .....	1,246	1,681	1,328

Source: Dun & Bradstreet Corporation, New York, NY, *Monthly Failure Report*.

## NO. 837. BANKRUPTCY PETITIONS FILED, BY TYPE AND CHAPTER: 1975 TO 1986

[For years ending June 30]

ITEM	1975	1976	1977	1980 <sup>1</sup>	1981	1982	1985	1984	1985	1986
<b>Total</b> .....	<b>254,484</b>	<b>202,981</b>	<b>228,476</b>	<b>* 277,880</b>	<b>380,329</b>	<b>367,880</b>	<b>374,734</b>	<b>344,275</b>	<b>364,536</b>	<b>477,856</b>
Business .....	30,130	30,528	29,500	36,449	47,415	56,423	69,816	62,170	68,651	76,281
Non-business .....	224,354	172,423	198,976	241,431	312,914	311,443	304,916	282,105	297,885	401,575
Voluntary .....	253,196	201,944	225,549	276,691	358,997	366,331	373,064	342,828	362,939	476,214
Involuntary .....	1,288	1,007	927	1,189	1,332	1,535	1,670	1,447	1,597	1,642
Chapter 7 <sup>2</sup> .....	209,330	168,771	183,259	214,357	265,721	255,098	251,322	232,994	244,650	332,679
Chapter 9 <sup>3</sup> .....	-	2	1	-	1	4	3	4	3	7
Chapter 11 <sup>4</sup> .....	3,506	3,266	3,042	5,302	7,828	14,059	21,207	19,913	21,425	24,443
Chapter 13 <sup>5</sup> .....	41,178	30,185	39,442	58,216	86,778	98,705	102,201	91,358	96,452	120,726
Section 304 <sup>7</sup> .....	(x)	(x)	(x)	5	1	-	1	6	6	1

- Represents zero. X Not applicable. <sup>1</sup> For the first three months of 1980 the judiciary operated under the Bankruptcy Act and for the last nine months under the new bankruptcy code established by the Bankruptcy Reform Act of 1978. Includes only those petitions filed under the new bankruptcy code. <sup>2</sup> Includes five Section 304 cases filed under the Reform Act in 1980 and 1 in 1981 which are not included in the subcategories of voluntary/involuntary. <sup>3</sup> Chapter 7, liquidation of non-exempt assets of businesses or individuals. <sup>4</sup> Chapter 9, adjustment of debts of a municipality. <sup>5</sup> Chapter 11, individual or business reorganization. <sup>6</sup> Chapter 13, adjustment of debts of an individual with regular income. <sup>7</sup> 11 U.S.C., Section 304, cases ancillary to foreign proceedings.

## NO. 838. BANKRUPTCY PETITIONS FILED AND PENDING: 1905 TO 1986

[In thousands. For fiscal years ending in year shown; see text, section 9. Covers all U.S. bankruptcy courts. Bankruptcy petitions "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the bankruptcy court; "Pending" is a proceeding in which the administration has not been completed]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905 .....	17	28	1935 .....	69	65	1965 .....	180	162	1983 .....	375	537
1910 .....	16	28	1940 .....	53	55	1970 .....	194	191	1984 .....	344	578
1915 .....	28	44	1945 .....	13	21	1975 .....	254	202	1985 .....	365	609
1920 .....	14	30	1950 .....	33	38	1980 .....	278	346	1986 .....	478	729
1925 .....	46	60	1955 .....	59	58	1981 .....	360	362			
1930 .....	63	61	1980 .....	110	95	1982 .....	366	461			

Source of tables 837 and 838: Administrative Office of the U.S. Court, *Annual Report of the Director*.

## NO. 839. SMALL BUSINESS BIRTH, DEATH, AND NET GROWTH RATES: 1976 TO 1984

[Represents any concern which, including its affiliates, is independently owned and operated, not dominant in the industry in which the procurement is classified, and can further qualify under the criteria set forth in Small Business Administration's Rules and Regulations, see source for details]

ITEM	Birth rate <sup>1</sup>	Death rate <sup>2</sup>	Net growth	ITEM	Birth rate <sup>1</sup>	Death rate <sup>2</sup>	Net growth
<b>All industries: 1976-1978</b> .....	13.0	9.6	3.3	Wholesale trade: 1976-1978 .....	11.0	8.0	3.0
1978-1980 .....	10.6	10.8	-2	1976-1980 .....	9.6	8.5	1.1
1980-1982 .....	11.1	9.6	1.6	1980-1982 .....	10.4	8.3	2.1
1982-1984 .....	11.2	9.3	2.4	1982-1984 .....	10.9	8.4	2.6
<b>Construction: 1976-1978</b> .....	12.8	10.2	2.6	Retail trade: 1976-1978 .....	11.3	11.9	-6
1978-1980 .....	10.1	11.5	-1.4	1978-1980 .....	9.7	11.4	-1.7
1980-1982 .....	10.1	9.9	.3	1980-1982 .....	10.1	10.3	-2
1982-1984 .....	12.5	10.4	2.0	1982-1984 .....	10.5	10.2	.3
<b>Manufacturing: 1976-1978</b> .....	9.9	8.2	1.7	Services: 1976-1978 .....	17.1	7.9	9.3
1978-1980 .....	9.5	8.2	1.3	1978-1980 .....	12.7	11.5	1.2
1980-1982 .....	9.0	8.2	.8	1980-1982 .....	13.8	9.5	4.4
1982-1984 .....	9.6	8.1	1.5	1982-1984 .....	13.8	8.9	4.9

<sup>1</sup> Business births represents the number of establishments formed during a specified period; also, the appearance of a new establishment or enterprise in the Small Business Data Base (SBDB). <sup>2</sup> Business deaths represent the disappearance of an establishment or enterprise from the SBDB for financial or nonfinancial reasons.

Source: U.S. Small Business Administration, Office of Advocacy, Small Business Data Base, USELM file, version 6, March 1987.



NO. 840. WOMEN-OWNED AND MINORITY-OWNED FIRMS—NUMBER AND RECEIPTS FOR TEN LARGEST SMSA'S AND INDUSTRIES BY TYPE OF OWNERSHIP: 1982

[Represents standard metropolitan statistical areas (SMSA's) established by the Office of Management and Budget, as of January 1, 1982. See Appendix II for newly defined metropolitan statistical areas and definition. The number enclosed within parentheses is the 2 digit Standard Industrial Classification for that industry]

SMSA AND INDUSTRY GROUP	WOMEN-OWNED		SMSA AND INDUSTRY GROUP	BLACK-OWNED		SMSA AND INDUSTRY GROUP	HISPANIC-OWNED		SMSA AND INDUSTRY GROUP	ASIAN- AND OTHER-OWNED	
	Num-ber of firms	Re-ceipts (mil. dol.)		Num-ber of firms	Re-ceipts (mil. dol.)		Num-ber of firms	Re-ceipts (mil. dol.)		Num-ber of firms	Re-ceipts (mil. dol.)
Los Angeles-Long Beach, CA.....	117,468	3,789	Los Angeles-Long Beach, CA.....	23,520	775	Los Angeles-Long Beach, CA.....	29,882	1,717	Los Angeles-Long Beach, CA.....	38,331	2,956
New York, NY-NJ.....	101,223	5,321	New York, NY-NJ.....	20,242	725	Miami, FL.....	24,898	2,236	Honolulu, HI.....	21,676	2,159
Chicago, IL.....	68,277	2,958	Washington, DC-MD-VA.....	18,805	556	New York, NY-NJ.....	12,292	882	San Francisco-Oakland, CA.....	19,556	1,458
San Francisco-Oakland, CA.....	64,413	1,940	Chicago, IL.....	13,680	934	San Antonio, TX.....	10,341	555	New York, NY-NJ.....	15,885	916
Dallas-Fort Worth, TX.....	58,448	1,986	Houston, TX.....	12,208	328	Houston, TX.....	9,276	441	Chicago, IL.....	8,553	491
Washington, DC-MD-VA.....	51,015	1,305	San Francisco-Oakland, CA.....	9,386	390	San Francisco-Oakland, CA.....	7,649	418	Anaheim-Santa Ana-Garden Grove, CA.....	8,036	441
Houston, TX.....	46,694	1,710	Detroit, MI.....	8,731	369	El Paso, TX.....	5,994	402	San Jose, CA.....	7,370	393
Philadelphia, PA-NJ.....	42,830	1,654	Philadelphia, PA-NJ.....	8,581	354	McAllen-Pharr-Edinburg, TX.....	5,786	322	Houston, TX.....	6,589	397
Detroit, MI.....	40,176	1,300	Dallas-Fort Worth, TX.....	7,825	210	Anaheim-Santa Ana-Garden Grove, CA.....	5,317	306	Washington, DC-MD-VA.....	5,879	289
Denver-Boulder, CO.....	37,916	1,053	Atlanta, GA.....	7,077	336	Riverside-San Bernardino-Oran-jo, CA.....	5,218	272	San Diego, CA.....	4,482	216
INDUSTRY			INDUSTRY			INDUSTRY			INDUSTRY		
Eating and drinking places (58)....	66,811	6,684	Automotive dealers and service stations (55).....	3,448	1,307	Automotive dealers and service stations (55).....	3,746	1,309	Food stores (54).....	10,281	2,504
Food stores (54).....	37,635	6,047	Miscellaneous retail (59).....	53,961	993	Wholesale trade—nondurable goods (51).....	2,279	1,286	Eating and drinking places (58)....	17,028	1,922
Personal services (72).....	419,113	5,500	Food stores (54).....	9,187	883	Food stores (54).....	7,692	1,095	Miscellaneous retail (59).....	36,577	1,467
Wholesale trade—nondurable goods (51).....	22,231	5,297	Eating and drinking places (58)....	11,629	675	Eating and drinking places (58)....	10,791	1,076	Health services (80).....	20,083	1,446
Automotive dealers and service stations (55).....	14,353	4,754	Health services (80).....	17,195	595	Special trade contractors (17).....	22,017	1,042	Automotive dealers and service stations (55).....	2,459	1,004
Real estate (65).....	225,551	4,733	Special trade contractors (17).....	18,389	578	Health services (80).....	8,401	579	Hotels and other lodging places (70).....	4,925	643
Health services (80).....	126,389	3,999	Personal services (72).....	40,394	561	Wholesale trade—durable goods (50).....	1,343	531	Wholesale trade—nondurable goods (51).....	2,690	636
Wholesale trade—durable goods (50).....	12,021	3,893	Wholesale trade—nondurable goods (51).....	2,441	550	Trucking and warehousing (42)....	9,201	419	Personal services (72).....	20,129	496
Special trade contractors (17).....	47,219	2,497	Trucking and warehousing (42)....	13,029	530	Personal services (72).....	22,382	410	Special trade contractors (17).....	9,915	490
Apparel and accessory stores (56).....	29,130	2,448	Wholesale trade—durable goods (50).....	1,210	309	Auto repair, services, and gar-ages (75).....	6,873	363	Wholesale trade—durable goods (50).....	1,574	365

Source: Bureau of the Census, 1982 Survey of Minority-Owned Business Enterprises, series MB82-1, MB82-2, MB82-3; and 1982 Survey of Women-Owned Businesses, series WB82-1.

# 141. SMALL AND MINORITY-OWNED BUSINESS—FEDERAL CONTRACT AWARDS, BY STATE: 1984 AND 1985

of dollars, except percent. Excludes Guam and Puerto Rico. Represents contract awards of \$10,000 or more. Minus sign (-) indicates decrease.

REGION, STATE	TOTAL CONTRACTS AWARDED			SMALL BUSINESS SHARE				MINORITY-OWNED SHARE			
	1984	1985	Per- cent change 1984- 1985	1984	1985		Per- cent change 1984- 1985	1984	1985		Per- cent change 1984- 1985
					Amount	Per- cent of total			Amount	Per- cent of total	
<b>United States</b>	157,235	175,535	22.9	24,343	26,484	16.8	6.7	3,855	2,718	2.1	-2.8
<b>North Atlantic</b>	34,375	37,275	8.4	4,380	4,705	12.8	7.4	404	471	1.3	-4.7
Connecticut	26,307	31,803	20.1	4,272	4,739	15.0	10.9	548	548	1.7	18.6
Maine	47,362	54,703	15.5	10,183	10,589	19.3	3.9	1,805	1,583	2.9	-12.6
Massachusetts	49,178	52,941	7.7	8,027	8,487	12.3	7.6	1,012	1,116	2.1	10.3
<b>South Atlantic</b>	15,355	16,885	9.8	1,253	1,312	8.1	30.7	135	122	.7	-3.2
Alabama	567	1,001	75.5	119	105	10.5	-11.8	20	6	.8	60.0
Georgia	699	747	6.9	49	86	11.8	78.8	2	3	.4	50.0
Florida	188	179	-4.8	23	16	10.1	-21.7	1	1	.6	-
Louisiana	7,507	8,277	10.3	682	730	8.8	10.3	82	70	.8	-14.6
Mississippi	427	482	12.9	108	154	33.3	42.6	2	2	.4	-
South Carolina	5,822	6,022	1.7	293	417	6.9	42.3	19	36	.6	100.0
<b>East North Central</b>	19,071	20,861	9.4	3,127	3,195	16.5	2.1	179	171	1.5	-4.5
Illinois	10,742	11,216	4.4	1,379	1,297	11.8	-6.0	179	171	1.5	-4.5
Indiana	4,000	4,441	11.0	809	883	19.9	9.2	82	77	1.7	-6.1
Michigan	4,230	4,934	16.4	838	1,013	20.5	7.9	107	101	2.0	-6.6
<b>West North Central</b>	13,891	16,789	20.9	2,329	3,367	20.0	44.5	329	330	2.0	44.1
Iowa	4,141	5,695	37.5	792	876	14.9	10.9	97	159	2.7	63.9
Kansas	2,651	3,428	29.3	330	413	12.0	25.2	34	24	.7	-29.4
Minnesota	2,318	2,670	15.2	500	719	28.9	21.9	69	107	4.0	55.1
Missouri	2,708	3,285	21.3	437	492	15.1	12.6	13	31	.8	138.5
Nebraska	1,273	1,492	17.2	781	855	67.3	9.5	15	9	.6	40.0
<b>South West</b>	13,218	14,889	12.6	1,343	1,382	8.3	2.9	232	218	1.5	-6.0
Arizona	2,211	2,572	16.3	172	180	7.0	4.7	6	12	.5	100.0
California	521	696	33.6	85	74	10.6	12.9	12	11	1.6	-8.3
Colorado	7,321	8,535	16.6	495	514	6.0	3.8	44	45	.6	2.3
Idaho	235	280	19.1	167	137	10.0	-18.0	106	82	31.5	24.1
Montana	124	145	16.9	83	71	48.0	12.7	21	20	13.8	-4.8
New Mexico	344	378	9.9	140	139	36.8	-4.8	7	10	2.6	35.7
Utah	2,480	2,287	-7.9	215	287	11.8	24.2	34	38	1.7	11.8
<b>West South Central</b>	24,575	31,025	26.2	5,838	6,586	21.9	17.7	1,144	1,094	2.5	-4.4
Texas	242	285	17.8	29	45	15.8	55.2	3	3	1.1	-
Oklahoma	5,515	6,856	24.3	1,046	1,253	18.3	19.8	372	301	4.4	-19.1
<b>Mountain</b>	1,942	2,146	10.5	499	640	29.9	28.3	184	243	11.3	32.1
Alaska	5,848	7,747	32.5	1,722	1,903	24.6	10.5	379	333	4.3	12.1
Wyoming	217	208	-4.2	75	72	34.6	-5.3	3	8	3.8	108.7
Colorado	1,128	1,357	20.3	430	474	10.2	10.2	43	34	2.5	-20.9
Utah	1,566	1,907	21.8	303	385	18.1	26.7	45	45	2.4	28.6
New Mexico	3,304	3,832	15.0	450	533	16.5	40.7	55	52	1.4	-5.5
Idaho	5,198	6,685	28.6	973	1,121	16.8	15.2	70	75	1.1	7.1
<b>Central</b>	8,344	7,180	-14.0	2,072	1,485	20.4	-28.3	404	175	2.4	-56.7
Nebraska	1,003	1,023	2.0	604	604	29.7	-49.7	44	44	4.3	76.7
Kansas	3,324	2,767	-16.8	702	217	7.8	-69.1	98	5	(x)	(x)
Missouri	1,822	1,836	0.8	557	847	33.4	51.2	93	103	5.3	10.8
Illinois	2,398	1,455	-39.3	208	297	20.4	42.1	25	33	2.3	32.0
<b>North West</b>	14,039	16,880	20.2	2,544	2,982	18.7	17.1	380	314	1.8	-17.3
Oregon	778	886	14.0	142	165	18.6	16.2	13	10	1.1	23.1
Washington	2,502	2,871	14.8	444	444	15.5	7.9	28	53	1.8	53.6
Idaho	689	764	10.9	380	340	44.5	-5.8	60	71	9.3	18.3
Montana	10,071	11,979	19.0	1,580	1,843	13.7	4.0	250	180	1.5	-28.0
<b>South West</b>	9,893	10,575	6.9	1,404	1,688	16.3	20.2	252	329	3.0	30.6
Arizona	157	184	17.2	117	139	75.6	18.8	37	37	1.4	-
California	440	509	15.7	74	74	14.6	-	8	7	1.4	-12.5
Nevada	145	199	37.2	52	108	54.3	107.7	3	2	1.0	33.3
New Mexico	2,073	2,750	32.7	339	481	17.5	41.9	45	65	3.5	111.1
Utah	2,375	2,576	8.5	231	270	10.5	16.9	50	60	3.5	20.0
Wyoming	2,237	2,488	11.2	321	303	12.2	-5.6	61	54	2.2	-11.5
Idaho	1,375	1,257	-8.6	197	217	17.1	10.2	25	25	2.1	-
Montana	792	902	13.9	72	77	8.5	6.9	22	18	2.0	-18.2
<b>North West</b>	20,585	22,086	7.3	4,823	4,818	11.8	-4.2	780	787	1.9	0.9
Oregon	4,104	5,036	22.7	496	479	9.5	-3.6	81	70	1.4	-13.6
Washington	405	441	8.9	200	213	48.3	6.5	16	20	4.5	25.0
Idaho	33,916	35,213	3.8	3,405	3,503	9.9	2.9	515	537	1.5	4.3
Montana	588	718	22.1	246	350	48.7	42.3	24	25	3.5	4.2
Wyoming	571	658	15.2	274	273	41.5	-4	124	135	20.5	8.9

zero. X Not applicable.

U.S. Small Business Administration, *The State of Small Business: A Report of the President*, annual. Data from Federal Data Center, "Special Report J8374A," May 18, 1986.

## No. 842. MERGERS AND ACQUISITIONS—HISTORICAL SUMMARY: 1965 TO 1986

ITEM	Unit	1965	1970	1980	1981	1982	1983	1984	1985	1986
Mergers and acquisitions, net <sup>1</sup>	Number	2,125	5,952	1,889	2,395	2,348	2,533	2,543	3,001	3,336
Dollar value paid	Bil. dol.	(NA)	16.4	44.3	82.8	53.8	73.1	122.2	179.8	173.1
\$100 million-plus deals	Number	(NA)	10	84	113	116	136	200	270	346
Method of payment										
Cash	Percent	87	29	47	42	38	32	43	51	42
Stock	Percent	30	52	31	34	29	35	26	23	32
Combination	Percent	3	18	21	23	31	33	30	26	26
Debt	Percent	( <sup>2</sup> )	3	1	1	2	-	1	-	-
Divestitures	Number	191	1,401	686	830	875	932	900	1,218	1,259
Acquisitions of publicly traded sellers	Number	(NA)	(NA)	173	168	180	190	211	336	366
Acquisitions of privately held sellers	Number	(NA)	(NA)	988	1,330	1,222	1,316	1,351	1,358	1,508
Foreign sellers, total	Number	(NA)	(NA)	102	101	121	146	147	175	180
Foreign buyers, total	Number	(NA)	(NA)	187	234	154	125	151	197	264
Average P/E paid	Percent	19.4	23.1	15.2	15.8	13.9	16.7	17.2	18.0	22.2
Average premium paid over market	Percent	(NA)	33.4	48.9	48.0	47.4	37.7	37.9	37.1	38.2
Cancelled transactions	Number	(NA)	527	178	163	189	162	218	236	198

- Represents zero. NA Not available. <sup>1</sup> Represents announcement. <sup>2</sup> A separate count for debt payments began in 1970.

No. 843. MERGER AND ACQUISITION TRANSACTIONS—NUMBER AND VALUE, BY INDUSTRY:  
1982 TO 1986

[Represents transactions for which valuation data are publicly reported]

INDUSTRY CLASSIFICATION OF SELLER	NUMBER OF MERGERS					NOMINAL VALUE (mil. dol.)				
	1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
Total	2,346	2,533	2,543	3,001	3,336	63,768	73,681	122,234	179,788	173,137
Oil and gas	80	111	102	86	58	9,168	12,076	42,982	23,180	3,247
Banking and finance	426	331	251	381	415	5,805	13,828	5,846	14,037	19,442
Insurance	81	67	66	67	94	5,718	2,986	3,006	2,684	5,413
Mining and minerals	31	18	12	16	14	355	2,946	347	356	148
Food processing	32	74	56	82	101	3,075	1,164	7,065	11,838	4,707
Conglomerate	14	13	18	14	20	3,974	2,745	6,983	16,302	15,307
Transportation	40	36	36	48	58	1,074	5,255	1,252	2,877	6,829
Broadcasting	47	60	83	93	123	787	3,747	1,916	15,013	6,107
Retail	86	90	130	136	147	1,948	1,489	8,673	10,030	13,863
Brokerage and investment firms	56	63	86	49	47	881	1,456	1,460	579	1,710
Other	1,433	1,670	1,701	2,029	2,259	21,191	25,609	44,662	82,662	94,544

Source of tables 842 and 843: W.T. Grimm & Co., Chicago, IL, *Mergerset Review*, 1988. (Copyright.)

## No. 844. WORKING CAPITAL OF NONFINANCIAL CORPORATIONS: 1975 TO 1985

[In billions of dollars, except ratios. As of December 31. Covers all nonfinancial U.S. corporations]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Current assets	788.3	823.1	900.9	1,028.1	1,200.8	1,281.6	1,374.5	1,425.4	1,567.3	1,703.0	1,778.6
Cash on hand and in banks <sup>1</sup>	80.0	88.8	94.3	103.7	116.1	121.0	126.6	144.1	165.8	173.6	188.0
U.S. Government securities	19.6	26.0	18.7	17.8	15.6	17.3	19.2	22.4	30.6	36.2	32.3
Receivables, total <sup>2</sup>	272.1	292.4	325.0	381.9	456.8	491.2	528.0	511.0	577.8	633.1	671.2
Inventories	314.7	341.4	375.8	428.3	501.7	525.4	580.2	575.2	599.3	656.9	683.9
Other current assets	89.9	76.4	87.3	96.3	110.7	126.7	140.5	172.7	183.7	203.2	223.2
Current liabilities	446.9	487.5	546.8	681.9	806.1	877.2	923.2	977.8	1,043.0	1,163.6	1,232.7
Payables	281.2	273.2	313.7	375.1	456.3	498.3	520.4	552.8	577.9	647.6	682.1
Other current liabilities	165.7	214.2	233.1	296.8	352.8	378.9	402.9	425.0	465.1	516.0	548.7
Net working capital	309.5	336.6	354.1	386.3	391.8	404.4	451.3	447.6	514.3	539.5	546.7
Liquidity ratio <sup>3</sup>	379	368	366	329	300	302	310	347	365	355	380
Current ratio <sup>4</sup>	1.693	1.688	1.648	1.553	1.484	1.461	1.489	1.458	1.493	1.464	1.443

<sup>1</sup> Includes time certificates of deposits. <sup>2</sup> Includes U.S. Government receivables. <sup>3</sup> Cash plus U.S. Government securities plus "other current assets," divided by "current liabilities." <sup>4</sup> "Current assets" divided by "current liabilities."

Source: Through 1981, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census. Published quarterly in Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*.

## NO. 848. NONFINANCIAL CORPORATE BUSINESS-SECTOR BALANCE SHEET: 1970 TO 1986

[In billions of dollars. Represents year-end outstandings]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
<b>Total assets</b>	<b>1,305</b>	<b>2,206</b>	<b>2,678</b>	<b>3,076</b>	<b>3,507</b>	<b>3,963</b>	<b>4,424</b>	<b>4,882</b>	<b>5,339</b>	<b>5,180</b>	<b>5,407</b>	<b>5,804</b>
Tangible assets (current cost)	935	1,852	2,004	2,311	2,618	2,968	3,362	3,505	3,645	3,876	4,030	4,138
Reproducible	823	1,487	1,803	2,076	2,352	2,671	2,993	3,107	3,220	3,413	3,538	3,609
Land	112	184	201	235	267	318	370	399	425	463	494	529
Financial assets	370	558	672	764	889	994	1,061	1,077	1,184	1,285	1,378	1,466
Liquid assets	89	125	143	159	178	185	214	248	303	324	340	389
Demand deposits and currency	44	54	59	59	60	63	58	65	69	74	79	82
Time deposits	5	22	29	31	36	40	56	65	82	92	99	112
Consumer credit	11	16	19	21	22	22	24	24	28	31	35	38
Trade credit	195	258	311	367	437	486	509	493	555	602	637	643
Miscellaneous assets	84	160	198	217	251	290	314	311	308	327	365	399
<b>Total liabilities</b>	<b>641</b>	<b>767</b>	<b>826</b>	<b>1,071</b>	<b>1,234</b>	<b>1,379</b>	<b>1,534</b>	<b>1,610</b>	<b>1,732</b>	<b>1,868</b>	<b>2,208</b>	<b>2,406</b>
Credit market instruments	354	546	657	740	835	914	1,019	1,069	1,151	1,345	1,514	1,698
Profit taxes payable	11	14	20	25	27	25	19	4	10	11	9	10
Trade debt	162	180	213	284	317	356	397	392	433	467	500	501
Foreign direct investment in U.S.	13	26	35	42	54	83	109	125	157	185	183	■
<b>Net worth</b>	<b>764</b>	<b>1,442</b>	<b>1,751</b>	<b>2,004</b>	<b>2,273</b>	<b>2,604</b>	<b>2,890</b>	<b>2,972</b>	<b>3,107</b>	<b>3,173</b>	<b>3,200</b>	<b>3,198</b>

Source: Board of Governors of the Federal Reserve System, *Balance Sheets for U.S. Economy*.

## NO. 849. CORPORATION INCOME TAX RETURNS—SELECTED BALANCE SHEET, INCOME STATEMENT, AND TAX ITEMS: 1970 TO 1984

[In billions of dollars, except number of returns. Federal returns and active corporations only. All corporations are required to file returns except those specifically exempt. See source for changes in law affecting comparability of historical data. Based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 381-392.]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984
<b>Number of returns, total (1,000)</b>	<b>1,866</b>	<b>2,034</b>	<b>2,377</b>	<b>2,579</b>	<b>2,711</b>	<b>2,812</b>	<b>2,926</b>	<b>2,996</b>	<b>3,171</b>
Number with net income (1,000)	1,008	1,226	1,524	1,599	1,597	1,597	1,606	1,676	1,778
Small Business Corporation returns (1,000)	257	358	479	519	545	541	584	648	701
<b>BALANCE SHEET</b>									
<b>Assets, total <sup>1</sup></b>	<b>2,836</b>	<b>4,287</b>	<b>6,014</b>	<b>6,848</b>	<b>7,817</b>	<b>8,547</b>	<b>9,368</b>	<b>10,201</b>	<b>11,197</b>
Depreciable assets	869	1,277	1,806	1,897	2,107	2,353	2,583	2,730	2,913
Notes and accounts receivable	615	1,052	1,589	1,817	1,965	2,240	2,420	2,677	2,897
Mortgages and real estate	328	548	782	841	894	934	942	962	1,127
Investments in Government obligations	197	316	404	421	472	515	606	685	726
Inventories	190	316	443	504	536	568	591	599	664
Cash	177	290	413	482	529	533	541	590	598
Land	47	67	80	85	93	102	110	119	128
Depletable assets	19	39	45	58	72	84	95	108	115
<b>Liabilities <sup>1</sup></b>	<b>2,836</b>	<b>4,287</b>	<b>6,014</b>	<b>6,836</b>	<b>7,817</b>	<b>8,547</b>	<b>9,368</b>	<b>10,201</b>	<b>11,197</b>
Mortgages, notes, and bonds <sup>2</sup>	383	567	790	885	997	1,058	1,224	1,323	1,494
Retained earnings <sup>3</sup>	386	568	836	959	1,070	1,170	1,228	1,274	1,308
Paid-in or capital surplus	197	299	382	448	532	571	782	874	1,086
Capital stock	201	252	309	353	417	533	658	787	839
Mortgages, notes, and bonds <sup>4</sup>	171	272	381	452	505	588	687	760	867
Accounts payable	149	263	404	483	542	620	679	671	741
<b>Net worth</b>	<b>752</b>	<b>1,097</b>	<b>1,465</b>	<b>1,720</b>	<b>1,944</b>	<b>2,244</b>	<b>2,470</b>	<b>2,846</b>	<b>2,984</b>
<b>INCOME STATEMENT</b>									
<b>Receipts, total <sup>1</sup></b>	<b>1,751</b>	<b>3,198</b>	<b>4,718</b>	<b>5,816</b>	<b>6,361</b>	<b>7,026</b>	<b>7,024</b>	<b>7,126</b>	<b>7,861</b>
Business receipts	1,621	2,982	4,354	5,153	5,732	6,245	6,157	6,335	6,948
Interest <sup>5</sup>	72	143	220	289	367	464	530	511	580
Rents and royalties	17	27	38	40	54	68	83	83	90
<b>Deductions, total <sup>1</sup></b>	<b>1,863</b>	<b>3,053</b>	<b>4,467</b>	<b>5,332</b>	<b>6,126</b>	<b>6,814</b>	<b>6,869</b>	<b>6,945</b>	<b>7,829</b>
Cost of sales and operations	1,148	2,130	3,113	3,722	4,205	4,509	4,271	4,308	4,693
Interest paid	62	128	192	262	345	477	515	475	536
Depreciation	59	88	121	138	157	186	213	241	265
Taxes paid	50	82	116	128	163	170	166	173	192
Compensation of officers	33	58	85	97	109	120	129	141	157
Rent paid on business property	24	41	56	64	72	82	85	105	119
Repairs	14	23	34	39	42	70	73	75	78
Advertising	18	27	41	48	52	60	65	72	82
Employee benefit programs	7	16	27	34	40	48	52	59	65
Pension, profit-sharing, stock bonus, and annuity plans	12	27	42	47	52	53	54	54	53
<b>Net income (less deficit), total</b>	<b>86</b>	<b>143</b>	<b>247</b>	<b>286</b>	<b>239</b>	<b>214</b>	<b>184</b>	<b>188</b>	<b>233</b>
<b>Net income</b>	<b>84</b>	<b>140</b>	<b>275</b>	<b>322</b>	<b>297</b>	<b>301</b>	<b>274</b>	<b>297</b>	<b>349</b>
<b>Deficit</b>	<b>18</b>	<b>26</b>	<b>26</b>	<b>37</b>	<b>58</b>	<b>87</b>	<b>120</b>	<b>108</b>	<b>118</b>
<b>TAX ITEMS</b>									
Income subject to tax	72	147	240	280	247	240	205	219	257
Income tax before credits <sup>6</sup>	33	68	107	119	104	101	85	92	108
<b>Tax credits, total <sup>1</sup></b>	<b>8</b>	<b>28</b>	<b>44</b>	<b>64</b>	<b>43</b>	<b>44</b>	<b>40</b>	<b>40</b>	<b>44</b>
Foreign tax credit	5	20	26	37	25	22	19	20	21
Investment credit	1	8	13	15	15	19	17	18	(NA)
<b>Income tax after credits <sup>6</sup></b>	<b>28</b>	<b>36</b>	<b>63</b>	<b>68</b>	<b>62</b>	<b>57</b>	<b>45</b>	<b>52</b>	<b>64</b>

NA Not available. <sup>1</sup> Includes items not shown separately. <sup>2</sup> Payable in one year or more. <sup>3</sup> Appropriated and unappropriated. <sup>4</sup> Payable in less than one year. <sup>5</sup> Includes interest on Government obligations issued by U.S. State and local governments. <sup>6</sup> Consists of normal tax, surtax and alternative tax for tax years 1970 through 1979 and beginning 1980, regular tax and alternative tax. Tax year 1970 includes surcharge of \$784 million.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns*, annual.

# No. 847. CORPORATION INCOME TAX RETURNS—FINANCIAL SUMMARY BY INDUSTRIAL DIVISION: 1970 TO 1984

(In billions of dollars, except number of returns and percent change)

ITEM	1970	1975	1978	1980	1981	1982	1983	1984
<b>Agriculture, forestry, and fishing returns (1,000)</b>	37	56	83	81	85	91	82	99
Assets	11.9	21.2	38.0	40.7	46.1	50.4	50.3	50.7
Liabilities <sup>1</sup>	7.9	14.3	29.0	29.3	32.5	38.3	38.7	36.4
Receipts	14.9	28.1	53.3	52.1	65.1	65.4	58.2	66.6
Deductions	14.2	27.4	52.1	51.4	64.7	65.4	58.4	66.4
Net income (less loss)	60.1	7	1.3	7	.3	(-2)	-2	.2
<b>Mining returns (1,000)</b>	14	14	24	26	33	37	37	41
Assets	24.0	64.5	115.5	126.9	168.9	192.4	194.4	208.0
Liabilities <sup>1</sup>	10.6	31.7	64.0	72.9	98.4	112.5	108.6	114.7
Receipts	17.7	66.8	132.5	178.7	200.2	203.1	132.4	123.5
Deductions	15.9	42.3	69.6	169.1	196.0	203.0	134.3	124.6
Net income (less loss)	1.8	23.6	43.1	7.6	5.6	.5	-1.6	-4
<b>Construction returns (1,000)</b>	139	191	250	272	276	282	284	307
Assets	42.7	76.7	123.3	132.9	150.8	153.1	161.4	165.3
Liabilities <sup>1</sup>	30.9	57.7	93.8	100.1	113.7	114.2	119.8	144.9
Receipts	90.6	147.0	252.9	267.2	280.2	281.7	290.8	338.6
Deductions	89.1	144.7	247.0	282.1	278.7	279.6	288.6	335.7
Net income (less loss)	1.5	2.2	6.0	5.3	3.5	2.3	2.3	2.9
<b>Manufacturing returns (1,000)</b>	198	217	237	243	251	259	282	272
Assets	612.9	844.6	1,526.6	1,709.5	1,833.7	2,000.7	2,233.0	2,417.6
Liabilities <sup>1</sup>	304.0	562.0	853.2	960.3	1,085.5	1,183.6	1,279.9	1,392.6
Receipts	723.0	1,298.4	2,162.7	2,404.3	2,613.5	2,488.3	2,552.8	2,768.3
Deductions	692.5	1,230.7	2,032.1	2,280.6	2,509.1	2,423.9	2,469.3	2,661.2
Net income (less loss)	31.6	66.4	130.4	123.7	116.8	75.0	95.3	121.2
<b>Transportation, and public utilities returns (1,000)</b>	67	81	104	111	109	115	123	129
Assets	287.7	443.2	674.5	681.1	857.3	919.9	998.9	1,084.9
Liabilities <sup>1</sup>	166.5	268.8	410.3	467.7	516.4	567.0	600.9	680.8
Receipts	135.6	243.5	446.0	523.8	598.5	632.9	657.4	725.6
Deductions	127.9	233.4	427.8	504.0	579.2	614.4	636.2	697.2
Net income (less loss)	7.5	10.1	18.4	20.0	19.6	18.3	19.5	28.9
<b>Wholesale and retail trade returns (1,000)</b>	518	615	773	800	817	840	852	897
Assets	192.2	329.5	573.3	646.9	708.1	753.4	800.0	888.0
Liabilities <sup>1</sup>	115.2	260.8	376.7	424.6	472.3	501.9	530.0	608.7
Receipts	622.5	966.9	1,752.7	1,955.5	2,036.6	2,017.7	2,116.4	2,207.6
Deductions	512.9	947.5	1,713.7	1,919.5	2,006.9	1,968.7	2,064.5	2,365.8
Net income (less loss)	9.7	22.5	40.2	35.8	33.3	28.4	35.3	42.0
<b>Finance, insurance, and real estate returns (1,000)</b>	406	412	471	493	470	462	480	488
Assets	1,401.2	2,322.0	3,626.9	4,022.2	4,000.0	4,967.5	5,467.2	5,830.0
Liabilities <sup>1</sup>	1,204.7	2,052.2	3,185.4	3,491.7	3,830.0	4,220.5	4,870.4	5,000.0
Receipts	177.3	315.6	581.1	697.5	877.8	949.9	902.8	1,093.1
Deductions	181.8	298.0	514.3	652.6	836.8	915.2	856.7	885.7
Net income (less loss)	12.2	11.7	37.0	33.1	26.3	21.6	31.7	32.7
<b>Services returns (1,000)</b>	261	436	603	671	753	820	848	899
Assets	61.9	90.5	154.0	178.2	213.7	237.9	269.8	307.8
Liabilities <sup>1</sup>	42.3	63.7	106.8	125.3	152.7	170.1	196.1	223.1
Receipts	69.8	131.4	245.1	279.9	346.8	380.5	416.5	480.3
Deductions	66.4	128.0	236.9	271.8	338.8	373.7	410.5	485.0
Net income (less loss)	1.2	3.4	8.3	6.2	6.2	7.2	6.0	5.5
<b>ANNUAL PERCENT CHANGE</b>								
<b>Receipts:</b>								
Agriculture, forestry, and fishing	17.7	10.5	26.6	-2.4	24.9	.5	-9.4	12.6
Mining	9.3	1.7	40.0	33.3	13.3	1.5	-34.8	-6.7
Construction	8.0	7.2	16.7	5.7	4.9	.8	3.2	18.4
Manufacturing	1.8	(-2)	17.2	11.7	8.7	-4.8	2.6	8.4
Transportation and public utilities	6.2	9.6	19.6	17.5	14.3	5.6	4.0	10.3
Wholesale and retail	2.9	5.0	19.9	11.6	4.3	-1.1	5.0	6.6
Finance, insurance, and real estate	7.9	4.2	18.2	24.3	25.9	8.2	-5.0	14.4
Services	15.9	19.7	16.4	14.2	23.9	9.8	8.4	17.7

Z Less than half the measure. Liabilities does not include net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns*, annual.

L ACTIVE CORPORATIONS—INCOME TAX RETURNS, BY ASSET SIZE-CLASS, AND BY INDUSTRY, 1984

in millions of dollars, except returns and percents. Detail may not add to total because of rounding and the exclusion of data not disclosing individual taxpayer's identity. See table 846. See also *Historical Statistics, Colonial Times to 1970*, series B3 and V 193-196]

INDUSTRY AND ITEM	Total	ASSET SIZE-CLASS					
		Under 10 mil. dol. <sup>1</sup>	10-24.9 mil. dol.	25-49.9 mil. dol.	50-99.9 mil. dol.	100-249.9 mil. dol.	250 mil. dol. and over
Forestry, and fishing returns.....	98,388	98,032	220	61	31	10	6
Liabilities.....	50,700	38,682	3,246	2,075	2,367	1,423	2,907
.....	66,645	48,365	3,791	2,451	4,310	2,115	5,812
ns.....	66,436	48,562	3,781	2,461	4,234	2,053	5,365
me (less loss).....	202	-206	29	-10	76	62	251
ms.....	40,564	39,453	509	250	131	79	62
Liabilities.....	209,036	20,714	9,087	8,716	9,053	15,522	145,934
.....	123,499	26,519	6,009	7,447	4,706	9,723	69,003
ns.....	124,627	27,075	6,400	7,657	5,189	9,827	66,499
me (less loss).....	-358	-556	-366	-216	-373	-104	1,257
min returns.....	306,905	305,176	1,209	325	107	53	35
Liabilities.....	195,273	101,538	18,079	11,166	7,578	8,540	48,373
.....	338,566	245,844	26,062	16,540	7,566	11,102	31,452
ns.....	335,666	243,215	263	162	7,436	11,773	31,666
me (less loss).....	2,907	2,800	178	208	124	-71	-132
ing returns.....	272,037	263,296	4,774	1,803	660	594	710
Liabilities.....	2,417,630	171,589	73,664	62,659	62,425	106,412	1,936,651
.....	2,768,248	411,493	130,817	98,173	92,108	145,560	1,886,413
ns.....	2,661,154	402,978	126,772	94,430	66,093	139,627	1,197,652
me (less loss).....	121,359	8,487	4,029	3,747	4,063	6,160	94,873
tion and public utilities returns.....	126,183	126,532	798	316	119	120	296
Liabilities.....	1,064,873	41,626	12,306	11,354	8,896	24,120	966,571
.....	725,631	90,731	16,347	11,859	9,926	19,872	576,896
ns.....	697,240	90,249	15,966	11,396	5,445	9,536	296,697
me (less loss).....	34,379	491	357	454	433	950	31,604
and retail trade returns.....	696,524	926	4,219	1,233	467	332	243
Liabilities.....	1,374,028	815,912	63,366	43,184	33,866	56,502	361,216
.....	2,307,612	1,213,201	182,123	108,501	63,290	133,848	586,652
ns.....	2,265,843	1,196,626	178,277	106,241	61,325	130,064	571,279
me (less loss).....	42,011	14,435	3,852	2,255	1,973	3,754	15,742
urance, and real estate returns.....	497,380	475,593	7,541	5,542	4,013	2,478	2,193
Liabilities.....	5,936,965	173,540	122,760	196,346	260,898	378,237	4,785,104
.....	1,033,139	123,215	27,011	40,448	42,474	60,220	739,771
ns.....	965,667	120,076	25,510	36,509	40,457	57,026	704,067
me (less loss).....	32,626	2,765	1,151	1,216	970	2,075	24,514
turns.....	609,369	996,931	1,432	517	235	159	95
Liabilities.....	307,895	139,291	22,410	18,013	17,215	24,837	88,129
.....	490,332	333,716	27,197	21,064	17,708	24,710	60,319
ns.....	464,989	335,170	26,896	20,757	17,363	24,586	60,192
me (less loss).....	4,934	4,140	308	312	2	40	132
PERCENT DISTRIBUTION							
re, forestry, and fishing.....	100.0	72.6	5.7	3.7	6.6	3.2	6.4
.....	100.0	21.5	4.9	6.0	3.9	7.9	55.9
tion.....	100.0	72.6	7.7	4.9	2.2	3.3	9.3
turing.....	100.0	14.9	4.7	3.6	3.3	5.3	66.2
tation, and public utilities.....	100.0	12.5	2.3	1.6	1.4	2.7	79.5
le and retail trade.....	100.0	52.6	7.9	4.7	3.6	5.8	25.4
insurance, and real estate.....	100.0	11.9	2.6	3.9	4.1	5.6	71.6
.....	100.0	66.6	5.6	4.3	3.7	5.1	12.4
C							
re, forestry, and fishing.....	100.0	73.1	5.7	3.7	6.4	3.1	6.1
.....	100.0	21.7	5.1	6.1	4.1	7.9	55.0
tion.....	100.0	82.6	.1	.1	2.5	4.0	10.8
turing.....	100.0	19.7	6.2	4.6	4.3	6.8	58.4
tation, and public utilities.....	100.0	21.0	3.7	2.7	1.3	2.2	69.1
le and retail trade.....	100.0	52.9	7.9	4.7	3.6	5.7	25.2
insurance, and real estate.....	100.0	12.2	2.6	3.9	4.1	5.8	71.4
.....	100.0	69.1	5.5	4.3	3.6	5.1	12.4

ns returns with zero assets.

U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Return*, annual.



**No. 849. FIXED NONRESIDENTIAL PRIVATE CAPITAL VALUED IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1986**

[In billions of dollars. Stocks as of Dec. 31; depreciation over entire calendar year. Data refer to privately owned assets and are based on the fixed capital formation components of the gross national product. Excludes residential capital and government enterprises; includes nonprofit institutions. Gross stocks allow for retirement; net stocks allow for retirement and depreciation. Net stock and depreciation estimates are based on the straight-line depreciation formula.]

ITEM	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	1970	1975	1980	1985	1986	1970	1975	1980	1985	1986
<b>All industries:</b>										
Gross stocks	1,453.4	2,081.7	4,844.4	6,096.3	7,004.2	3,737.8	4,513.3	5,420.0	6,340.4	6,529.7
Equipment	679.3	1,252.2	2,353.3	3,282.7	3,439.0	1,620.0	2,084.4	2,851.1	3,146.8	3,271.8
Structures	774.1	1,409.5	2,491.1	3,415.6	3,565.1	2,117.8	2,428.9	2,768.9	3,193.6	3,257.9
Net stocks	865.1	1,571.0	2,807.4	3,786.7	3,922.3	2,212.2	2,654.6	3,137.7	3,508.1	3,657.1
Equipment	395.0	716.7	1,336.8	1,794.4	1,876.7	839.8	1,182.7	1,505.5	1,731.2	1,788.8
Structures	470.2	852.3	1,470.6	1,972.3	2,045.6	1,272.4	1,481.9	1,632.2	1,637.9	1,868.3
Depreciation	88.4	125.4	233.9	341.2	355.9	174.7	220.4	277.8	337.0	351.5
Equipment	48.7	84.7	159.4	234.2	245.1	109.7	145.5	188.8	229.4	241.4
Structures	21.7	40.7	74.5	107.0	110.8	65.1	74.9	89.0	107.6	110.1
<b>Manufacturing:</b>										
Gross stocks	340.6	601.0	1,108.1	1,496.1	1,557.0	856.8	1,023.9	1,236.4	1,362.6	1,417.7
Equipment	218.1	391.7	741.5	968.0	1,035.2	540.4	684.4	832.0	954.1	975.7
Structures	122.5	209.3	366.6	500.0	521.8	316.4	359.5	404.4	436.6	441.9
Net stocks	203.8	351.3	633.9	812.2	835.4	513.3	597.2	707.2	757.3	769.2
Equipment	126.8	226.3	424.9	542.1	557.5	314.3	382.5	476.8	520.3	527.8
Structures	77.0	125.0	209.0	270.1	277.9	199.0	214.7	230.6	237.0	235.4
Depreciation	18.5	28.7	53.1	74.6	77.4	40.8	49.8	62.0	72.1	74.3
Equipment	12.7	22.0	41.8	58.8	60.9	30.5	38.1	48.9	58.0	60.1
Structures	3.8	6.7	11.3	15.8	16.5	10.2	11.7	13.1	14.1	14.3

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1987.

**No. 850. FIXED NONRESIDENTIAL BUSINESS CAPITAL—AVERAGE AGE OF GROSS STOCKS, USING CONSTANT (1982) COST VALUATION: 1970 TO 1986**

[Age in years. As of Dec. 31. See headnote, table 849.]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>All industries: Gross stocks</b>	11.6	11.4	11.4	11.3	11.2	11.2	11.3	11.4	11.4	11.4	11.4
Equipment	7.5	7.5	7.5	7.4	7.4	7.4	7.6	7.6	7.6	7.6	7.6
Structures	15.1	14.8	15.0	15.0	14.9	14.9	14.9	15.0	15.0	15.1	15.2
<b>Manufacturing: Gross stocks</b>	9.7	10.0	10.2	10.2	10.2	10.2	10.3	10.5	10.7	10.7	10.9
Equipment	8.4	8.5	8.5	8.4	8.4	8.4	8.5	8.7	8.8	8.9	8.9
Structures	11.9	12.9	13.5	13.6	13.8	13.8	14.1	14.4	14.6	14.8	15.1
<b>Nonfarm nonmfg.: Gross stocks</b>	12.6	12.0	11.9	11.8	11.7	11.6	11.7	11.7	11.6	11.6	11.5
Equipment	7.2	7.2	7.1	7.0	7.1	7.1	7.2	7.2	7.1	7.0	6.9
Structures	15.7	15.1	15.2	15.2	15.1	15.0	15.0	15.0	15.0	15.0	15.1
<b>Farm: Gross stocks</b>	9.9	9.7	9.7	9.7	9.9	10.2	10.6	11.1	11.5	12.0	12.6
Equipment	5.7	5.6	5.6	5.6	6.0	6.2	6.5	6.8	7.1	7.5	7.7
Structures	15.1	15.1	14.9	14.9	15.0	15.2	15.6	16.0	16.4	17.0	17.6

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January 1987.

**No. 851. GROSS PRIVATE DOMESTIC INVESTMENT: 1970 TO 1986**

[In billions of dollars]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Gross private domestic investment				Less: capital consumption allowances <sup>1</sup>	Equals: Net private domestic investment	Gross private domestic investment				Less: capital consumption allowances <sup>1</sup>	Equals: Net private domestic investment
	Total <sup>1</sup>	Fixed investment	Nonresidential	Residential			Total <sup>1</sup>	Fixed investment	Nonresidential	Residential		
1970	146.8	145.7	105.2	40.5	88.6	60.0	361.5	373.3	264.0	109.3	229.8	161.8
1975	218.6	225.2	162.9	62.3	161.6	57.8	363.3	366.1	261.2	114.9	267.0	66.3
1976	277.7	281.7	180.0	81.7	179.2	96.4	453.6	431.4	290.6	140.8	297.3	166.2
1977	344.1	322.8	214.2	108.6	201.5	142.5	521.3	482.2	324.0	188.1	308.8	211.7
1978	416.6	388.2	258.0	129.2	229.9	166.9	576.8	540.2	352.1	178.0	328.7	253.3
1979	454.8	441.9	302.8	139.1	265.6	189.1	575.2	580.2	389.4	170.8	341.3	234.0
1980	437.0	446.3	322.8	122.5	303.6	139.1	509.3	518.2	379.2	137.0	366.1	163.2
1981	515.5	491.5	359.2	122.3	347.8	167.7	545.5	521.7	395.2	128.5	398.7	178.8
1982	447.3	471.8	366.7	105.1	363.2	64.1	447.3	471.8	366.7	105.1	363.2	64.1
1983	502.3	509.4	356.8	152.5	368.8	105.7	504.0	510.4	351.2	148.3	364.4	108.8
1984	584.8	597.1	416.0	181.1	415.5	249.4	658.4	595.1	425.2	170.9	407.2	251.2
1985	641.6	631.8	442.6	189.0	437.6	204.0	636.1	625.7	454.1	174.6	438.3	208.8
1986	671.0	655.2	436.9	218.3	456.7	214.3	654.0	640.2	443.6	188.4	442.0	212.6

<sup>1</sup> Includes change in inventories, not shown separately.

<sup>2</sup> With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-82*, and *Survey of Current Business*, July 1987.

**NO. 852. GROSS STOCK OF FIXED PRIVATE CAPITAL, NONRESIDENTIAL AND RESIDENTIAL, BY  
INDUSTRY: 1960 TO 1966**

(In billions of dollars. Estimates as of the end of the year)

INDUSTRY	CURRENT DOLLARS				CONSTANT (1962) DOLLARS			
	1960	1964	1965	1966	1960	1964	1965	1966
<b>Fixed private capital</b>	<b>8,942.8</b>	<b>11,555.9</b>	<b>12,103.2</b>	<b>12,796.4</b>	<b>8,813.2</b>	<b>10,903.8</b>	<b>11,246.8</b>	<b>11,586.2</b>
<b>Nonresidential</b>	<b>4,844.4</b>	<b>6,432.9</b>	<b>6,696.3</b>	<b>7,004.2</b>	<b>5,420.0</b>	<b>6,127.5</b>	<b>6,340.4</b>	<b>6,529.7</b>
<b>Agriculture, forestry and fisheries</b>	<b>319.2</b>	<b>366.5</b>	<b>364.6</b>	<b>381.8</b>	<b>357.4</b>	<b>351.8</b>	<b>343.6</b>	<b>334.7</b>
Farms	295.2	354.6	351.2	346.8	330.6	321.7	312.9	303.3
Ag. serv., forestry, and fisheries	24.0	31.8	33.3	34.2	26.7	30.1	30.9	31.4
<b>Mining</b>	<b>369.0</b>	<b>444.8</b>	<b>447.2</b>	<b>438.5</b>	<b>441.2</b>	<b>537.4</b>	<b>548.2</b>	<b>542.7</b>
Metal mining	26.4	34.5	35.1	35.4	30.0	32.0	32.0	31.5
Coal mining	31.7	45.6	46.4	46.5	36.5	43.7	43.7	43.2
Oil and gas extraction	262.5	342.3	343.6	324.7	354.8	441.0	453.1	448.5
Nonmetallic minerals, exc. fuels	17.4	22.2	22.1	21.8	19.9	20.7	20.3	18.5
<b>Construction</b>	<b>100.3</b>	<b>119.3</b>	<b>108.3</b>	<b>110.0</b>	<b>113.1</b>	<b>105.0</b>	<b>100.5</b>	<b>96.7</b>
<b>Manufacturing</b>	<b>1,196.1</b>	<b>1,444.0</b>	<b>1,496.1</b>	<b>1,567.8</b>	<b>1,298.4</b>	<b>1,380.2</b>	<b>1,392.8</b>	<b>1,417.7</b>
<b>Durable goods</b>	<b>604.9</b>	<b>790.2</b>	<b>822.3</b>	<b>856.0</b>	<b>674.1</b>	<b>750.1</b>	<b>772.9</b>	<b>790.8</b>
Lumber and wood products	26.6	33.7	34.2	35.1	32.2	31.1	30.7	30.6
Furniture and fixtures	8.9	11.4	12.0	12.8	9.9	10.6	11.0	11.4
Stone, clay, glass products	47.4	55.6	56.1	56.8	52.7	52.9	52.9	52.5
Primary metal industries	141.6	173.2	175.9	176.3	159.1	162.6	162.4	161.0
Fabricated metal products	66.6	67.6	91.5	95.9	76.3	82.9	84.9	87.2
Machinery, exc. electrical	94.9	130.9	135.8	141.5	105.0	126.1	134.4	139.2
Elec. and elec. equipment	70.2	110.2	119.6	126.6	78.6	103.6	112.1	118.6
Motor vehicles and equipment	72.5	88.2	91.6	94.6	80.5	84.3	89.0	87.2
Other transp. equipment	40.3	56.1	60.0	64.2	44.9	52.7	55.6	56.6
Instruments, related products	19.9	28.8	30.9	33.0	22.0	27.4	29.3	30.7
Misc. mfg. industries	11.6	14.4	14.7	15.3	12.9	13.5	13.5	13.7
<b>Non-durable goods</b>	<b>503.2</b>	<b>653.8</b>	<b>675.8</b>	<b>701.0</b>	<b>562.3</b>	<b>610.1</b>	<b>618.6</b>	<b>626.8</b>
Food and kindred products	100.4	129.5	134.4	140.0	112.0	120.1	122.0	123.6
Tobacco manufacturers	5.2	6.6	9.5	10.3	5.9	6.3	6.8	6.3
Textile mill products	33.9	40.6	41.5	42.3	36.0	37.3	37.1	36.6
Apparel, other textile products	11.1	13.4	13.5	13.7	12.4	12.5	12.3	12.2
Paper and allied products	66.5	90.6	94.7	99.5	77.2	84.6	87.3	89.6
Printing and publishing	35.7	48.7	52.0	56.2	39.7	46.6	46.1	50.9
Chemicals, allied products	141.9	179.8	183.3	188.3	156.6	169.9	169.9	170.4
Petroleum and coal products	66.6	95.8	96.2	100.0	76.3	89.0	89.6	86.6
Rubber, misc. plastic products	35.2	43.3	45.4	47.5	39.2	40.6	41.7	42.6
Leather and leather products	2.7	3.2	3.2	3.3	3.0	3.0	3.0	2.9
<b>Transportation and public utilities</b>	<b>1,464.6</b>	<b>1,867.4</b>	<b>1,938.2</b>	<b>2,012.8</b>	<b>1,621.9</b>	<b>1,796.5</b>	<b>1,796.5</b>	<b>1,832.8</b>
<b>Transportation</b>	<b>501.2</b>	<b>575.7</b>	<b>584.6</b>	<b>583.7</b>	<b>551.1</b>	<b>546.2</b>	<b>541.1</b>	<b>535.2</b>
Railroad transportation	237.6	249.4	254.9	248.6	258.3	236.9	232.1	226.6
Local, interurban, bus, transit	9.3	9.6	9.6	9.7	10.2	9.0	8.6	8.6
Trucking and warehousing	75.7	100.8	104.7	107.8	84.7	92.7	93.3	93.3
Water transportation	50.9	66.0	66.3	67.3	57.3	63.7	63.8	63.7
Transportation by air	60.4	76.1	74.4	75.4	69.1	72.6	71.6	71.6
Pipelines, exc. natural gas	34.6	36.0	36.5	36.7	36.6	36.6	36.9	36.6
Transportation services	32.4	36.8	36.4	36.3	34.9	34.4	34.5	34.4
<b>Communication</b>	<b>346.4</b>	<b>539.1</b>	<b>560.7</b>	<b>591.4</b>	<b>362.2</b>	<b>476.4</b>	<b>497.9</b>	<b>520.5</b>
Telephone and telegraph	327.2	510.1	519.9	556.5	370.3	450.2	470.5	481.9
Radio and TV broadcasting	19.2	28.9	30.7	32.9	21.9	26.3	27.4	28.6
<b>Elec., gas, and sanitary services</b>	<b>616.6</b>	<b>772.6</b>	<b>803.6</b>	<b>837.8</b>	<b>678.6</b>	<b>732.7</b>	<b>756.5</b>	<b>777.2</b>
Electric services	467.9	601.4	627.6	657.7	521.0	567.2	586.5	606.4
Gas services	132.2	151.2	154.4	157.0	140.5	146.2	147.7	149.1
Sanitary services	16.7	20.1	21.7	23.0	17.2	19.3	20.3	21.7
<b>Wholesale trade</b>	<b>152.3</b>	<b>239.0</b>	<b>246.2</b>	<b>272.4</b>	<b>167.5</b>	<b>230.2</b>	<b>241.9</b>	<b>263.4</b>
<b>Retail trade</b>	<b>258.1</b>	<b>370.8</b>	<b>386.1</b>	<b>432.3</b>	<b>285.1</b>	<b>336.8</b>	<b>367.6</b>	<b>377.1</b>
<b>Finance, insurance, real estate</b>	<b>716.1</b>	<b>1,031.6</b>	<b>1,106.7</b>	<b>1,196.7</b>	<b>796.2</b>	<b>962.1</b>	<b>1,030.6</b>	<b>1,103.7</b>
Banking	75.3	122.1	132.6	149.1	86.3	121.0	137.3	155.6
Credit agencies other than banks	59.9	87.4	94.2	102.9	65.5	85.9	95.0	104.0
Security, commodity brokers, and services	2.9	4.6	5.5	6.5	3.2	5.0	6.2	7.6
Insurance carriers	16.9	26.2	32.0	41.3	16.3	27.3	37.1	50.7
Ins. agents brokers, and services	4.3	5.3	5.2	5.4	4.6	5.4	5.5	5.7
Real estate	546.4	773.1	822.6	877.3	603.3	704.6	733.8	756.6
Holding, other investment co.	7.3	12.6	14.4	17.2	7.9	13.0	16.0	20.0
<b>Services</b>	<b>367.6</b>	<b>639.8</b>	<b>666.0</b>	<b>610.5</b>	<b>406.2</b>	<b>467.9</b>	<b>527.9</b>	<b>566.7</b>
Hotels, other lodging places	63.2	93.6	102.1	111.9	69.8	84.9	90.6	95.6
Personal services	21.3	25.9	26.5	27.3	23.5	24.1	24.1	24.2
Business services	62.7	126.9	134.6	146.1	92.3	124.0	134.2	144.3
Auto repair serv. garages	61.5	90.4	96.0	107.1	66.7	85.3	90.5	96.5
Misc. repair services	9.6	13.0	13.7	14.4	11.0	12.3	12.7	13.1
Motion pictures	6.7	10.7	11.1	11.7	9.3	10.4	10.6	11.2
Amusement, recreation services	30.1	36.9	40.9	42.9	33.6	36.4	37.6	39.9
Other services	90.4	130.3	136.9	149.0	100.0	120.7	127.0	133.6
Health services	49.6	79.2	85.7	92.7	55.1	73.3	78.1	82.9
Legal services	6.5	9.0	10.0	11.2	7.1	8.4	9.4	10.4
Educational services	2.3	2.6	2.6	2.8	2.5	2.7	2.9	3.2
Other <sup>1</sup>	32.1	39.5	40.6	42.3	35.3	36.2	36.7	37.3
<b>Residential</b>	<b>4,098.4</b>	<b>5,123.0</b>	<b>5,406.9</b>	<b>5,792.2</b>	<b>4,393.1</b>	<b>4,776.2</b>	<b>4,906.4</b>	<b>5,056.5</b>
Farms	127.4	143.5	145.5	149.1	137.9	133.1	131.6	130.3
Real estate	3,971.0	4,980.4	5,259.4	5,643.1	4,255.8	4,643.1	4,774.8	4,925.2

<sup>1</sup>Includes social services, membership organizations, and miscellaneous professional services.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1967.

## NO. 253. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1970 TO 1987

[In billions of dollars. Based on sample and subject to sampling variability see text, section 17. Represents expenditures for new facilities and for expansion or replacement of existing facilities that are chargeable to fixed asset accounts and for which depreciation or amortization accounts are ordinarily maintained. Excludes expenditures for land and mineral rights; maintenance and repair; used plant and equipment, including that purchased or acquired through mergers or acquisitions; assets located in foreign countries, residential structures, etc. They also differ from the nonresidential fixed investment data in type of detail, data sources, coverage, and timing. For further information, see the February 1985 *Survey of Current Business*.]

INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987 <sup>1</sup>
<b>CURRENT DOLLARS</b>											
<b>All industries<sup>2</sup></b>	<b>91.9</b>	<b>102.4</b>	<b>256.0</b>	<b>202.8</b>	<b>318.2</b>	<b>310.6</b>	<b>304.8</b>	<b>304.4</b>	<b>307.1</b>	<b>370.3</b>	<b>306.9</b>
<b>Manufacturing</b>	<b>37.0</b>	<b>53.7</b>	<b>95.9</b>	<b>112.3</b>	<b>128.5</b>	<b>120.7</b>	<b>116.2</b>	<b>138.6</b>	<b>153.5</b>	<b>142.7</b>	<b>145.8</b>
Durable goods <sup>3</sup>	19.8	25.4	48.5	55.4	59.8	55.4	53.1	66.2	73.3	69.1	70.8
Primary metals	3.2	5.4	6.1	6.8	7.4	6.9	6.0	7.1	7.8	7.2	8.5
Fabricated metals	1.2	2.0	3.2	3.3	3.6	3.1	2.8	3.4	3.6	4.0	3.9
Electrical machinery	3.5	3.1	7.5	9.8	10.6	11.0	11.4	14.6	16.5	14.1	15.8
Machinery except electrical	3.8	4.9	10.2	11.4	13.7	13.4	13.5	15.4	16.0	13.6	13.1
Transportation equipment <sup>4</sup>	4.6	5.5	13.0	15.0	15.4	12.8	11.3	18.2	19.5	18.9	17.5
Motor vehicles	3.0	3.3	8.3	9.0	9.6	7.8	7.3	11.2	14.6	14.0	12.7
Aircraft	.8	1.2	2.7	3.6	3.4	3.4	2.9	3.6	3.5	3.8	3.7
Stone, clay, and glass	1.1	1.7	4.0	4.0	3.4	2.9	2.8	3.1	3.4	3.1	3.4
<b>Nondurable goods<sup>3</sup></b>	<b>17.2</b>	<b>28.3</b>	<b>47.4</b>	<b>57.0</b>	<b>66.7</b>	<b>65.3</b>	<b>63.1</b>	<b>72.6</b>	<b>80.2</b>	<b>73.6</b>	<b>75.0</b>
Food and beverage	3.3	4.4	7.3	8.2	9.5	8.7	7.8	8.8	10.3	10.6	11.3
Paper	1.7	2.9	5.2	6.6	6.1	5.6	5.9	7.2	8.6	8.8	8.5
Chemicals	3.4	7.1	9.8	11.6	13.1	12.7	13.0	15.3	16.4	16.7	16.9
Petroleum	5.2	6.1	15.2	19.6	26.0	26.4	23.1	25.5	26.7	18.1	17.3
Rubber	.9	1.2	2.5	2.0	2.2	2.2	2.5	3.1	3.9	3.9	3.5
<b>Nonmanufacturing<sup>5</sup></b>	<b>54.9</b>	<b>66.6</b>	<b>159.0</b>	<b>170.5</b>	<b>189.7</b>	<b>189.9</b>	<b>188.6</b>	<b>215.8</b>	<b>233.7</b>	<b>226.5</b>	<b>245.0</b>
Mining	2.0	6.1	12.8	16.0	21.4	20.0	15.2	18.9	15.9	11.2	10.5
Public utilities	13.0	20.2	36.8	37.7	41.2	45.4	45.0	47.5	46.8	46.4	45.6
Transportation	7.2	9.9	18.0	16.6	15.8	14.8	14.0	16.6	16.0	18.8	18.4
Commercial and other	32.7	52.5	94.6	100.1	110.2	109.8	114.5	134.8	160.9	149.5	169.5
Wholesale and retail trade	6.8	14.8	28.7	28.4	30.2	30.4	37.0	44.8	50.8	55.4	(NA)
Finance and insurance	3.9	10.0	17.5	21.2	26.0	27.2	33.9	39.4	43.6	(NA)	(NA)
Personal and business serv. <sup>6</sup>	9.8	14.8	25.8	25.8	27.2	25.9	25.0	28.7	26.7	26.2	(NA)
Communication	10.4	12.9	22.5	24.9	26.9	26.1	24.0	27.2	32.0	32.9	(NA)
<b>Addenda:<sup>4</sup></b>											
Total nonfarm business <sup>5</sup>	106.1	162.6	284.9	314.5	349.3	347.5	343.3	390.0	431.9	427.0	441.6
Manufacturing	37.0	53.7	95.9	112.3	128.5	120.7	116.2	138.6	153.5	142.7	144.8
Nonmanufacturing	69.2	106.9	189.0	202.1	222.7	226.8	227.1	250.2	278.5	284.3	296.7
Surveyed quarterly	54.9	66.6	159.0	170.6	189.7	189.9	188.6	215.8	233.7	226.5	245.8
Surveyed annually <sup>7</sup>	14.2	20.2	30.0	31.7	34.0	36.9	38.6	44.6	44.6	47.8	50.8
<b>CONSTANT (1982) DOLLARS<sup>8</sup></b>											
<b>All industries<sup>2</sup></b>	<b>229.8</b>	<b>246.1</b>	<b>327.1</b>	<b>332.7</b>	<b>337.1</b>	<b>310.6</b>	<b>307.0</b>	<b>266.4</b>	<b>288.3</b>	<b>374.2</b>	<b>304.6</b>
<b>Manufacturing</b>	<b>97.2</b>	<b>97.7</b>	<b>125.5</b>	<b>133.9</b>	<b>136.1</b>	<b>120.7</b>	<b>118.7</b>	<b>143.6</b>	<b>150.1</b>	<b>144.9</b>	<b>147.6</b>
Durable goods <sup>3</sup>	48.6	43.8	62.0	64.4	63.6	55.4	53.0	65.8	68.7	66.7	70.3
Primary metals	8.3	9.6	7.8	7.9	7.9	6.9	6.0	7.0	7.5	6.9	(NA)
Fabricated metals	3.0	3.4	4.1	3.9	3.8	3.1	2.8	3.4	3.5	3.9	(NA)
Electrical machinery	6.0	5.0	9.5	11.3	11.3	11.0	11.3	14.3	15.2	13.9	(NA)
Machinery except electrical	6.1	6.2	12.8	13.1	14.4	13.4	13.5	15.4	16.1	13.8	(NA)
Transportation equipment <sup>4</sup>	11.6	9.8	16.9	17.6	16.5	12.6	11.3	16.4	19.7	16.1	(NA)
Motor vehicles	7.5	5.9	10.7	10.5	10.4	7.8	7.3	11.1	14.5	12.8	(NA)
Aircraft	2.2	2.1	3.5	4.2	3.6	3.4	3.1	3.8	3.7	4.1	(NA)
Stone, clay, and glass	2.7	2.9	5.2	4.7	3.6	2.9	2.8	3.0	3.3	3.0	(NA)
<b>Nondurable goods<sup>3</sup></b>	<b>46.7</b>	<b>53.9</b>	<b>63.5</b>	<b>69.5</b>	<b>72.5</b>	<b>65.3</b>	<b>66.6</b>	<b>77.8</b>	<b>85.3</b>	<b>76.3</b>	<b>77.3</b>
Food and beverage	6.2	7.5	9.3	9.5	10.1	8.7	7.7	8.8	10.0	10.1	(NA)
Paper	4.5	5.1	6.8	7.6	6.5	5.6	5.9	7.0	8.3	8.4	(NA)
Chemicals	6.8	12.5	12.7	13.7	14.0	12.7	13.1	15.4	16.5	16.7	(NA)
Petroleum	16.4	20.6	22.3	25.9	29.2	26.8	26.6	31.4	32.9	22.1	(NA)
Rubber	2.3	2.1	3.1	2.4	2.3	2.2	2.4	3.0	3.7	3.6	(NA)
<b>Nonmanufacturing<sup>5</sup></b>	<b>132.7</b>	<b>148.4</b>	<b>201.6</b>	<b>198.8</b>	<b>201.0</b>	<b>189.9</b>	<b>187.4</b>	<b>211.8</b>	<b>228.3</b>	<b>229.5</b>	<b>237.0</b>
Mining	7.0	13.7	18.7	21.2	24.1	20.0	17.3	20.2	18.9	12.9	11.8
Public utilities	34.6	34.2	45.4	43.7	43.5	45.4	43.7	45.3	43.6	43.6	42.5
Transportation	18.4	17.3	20.6	19.2	18.8	14.8	13.6	15.7	16.9	17.4	17.8
Commercial and other	72.6	83.3	116.8	114.7	116.7	109.6	112.7	130.7	146.3	155.4	164.8
Wholesale and retail trade	20.0	24.3	35.6	32.3	31.6	30.4	36.3	43.1	46.1	51.6	(NA)
Finance and insurance	7.9	14.6	20.6	23.3	26.9	27.2	28.9	34.9	41.6	47.3	(NA)
Personal and business serv. <sup>6</sup>	23.4	25.2	32.6	29.5	28.8	25.9	24.7	27.8	27.8	27.0	(NA)
Communication	21.4	19.1	25.0	29.6	29.4	26.1	22.7	24.9	28.9	29.3	(NA)
<b>Addenda:<sup>4</sup></b>											
Total nonfarm business <sup>5</sup>	261.3	277.8	363.8	358.3	372.8	347.5	345.5	390.6	431.2	422.6	432.6
Manufacturing	97.2	97.7	125.5	133.9	136.1	120.7	118.7	143.6	150.1	145.0	145.2
Nonmanufacturing	164.1	180.1	238.2	234.4	236.7	226.8	225.8	251.1	279.1	277.6	287.3
Surveyed quarterly	132.7	148.4	201.6	198.8	201.0	189.9	187.4	211.8	228.3	228.3	236.8
Surveyed annually <sup>7</sup>	31.4	31.7	36.6	35.7	35.7	36.9	38.5	44.2	44.6	48.3	51.5

NA Not available.

<sup>1</sup> Estimates based on planned capital expenditures as reported by business in April and May 1987.

<sup>2</sup> Surveyed quarterly. <sup>3</sup> Includes industries not shown separately. <sup>4</sup> Includes construction.

<sup>5</sup> Quarterly estimates for selected nonmanufacturing industries were discontinued effective with the April-May 1984 survey. Annual estimates for these industries are based on capital expenditures reported by business in January through March each year.

<sup>6</sup> "All industries" plus the part of nonmanufacturing that is surveyed annually.

<sup>7</sup> Consists of real estate, professional services, membership organizations and social services; and forestry, fishery, and agricultural services.

<sup>8</sup> Procedures for preparing constant-dollar estimates are described in the February 1985 *Survey of Current Business*. To estimate real spending plans, BEA adjusts the survey results for assumed price changes.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

## No. 854. COMPOSITE INDEXES OF ECONOMIC CYCLICAL INDICATORS: 1977 TO 1986

[1986 figures are preliminary. See source for discussion of composite indexes. Minus sign (-) indicates decrease. Leading indicators are economic time series that tend to reach their cyclical high and low points earlier than the corresponding peaks and troughs in the overall economy. Coincident indicators are economic time series that tend to reach their cyclical high and low points about the same time as the corresponding peaks and troughs in the overall economy. Lagging indicators are economic time series that tend to reach their cyclical high and low points later than the corresponding peaks and troughs in the overall economy.]

ITEM	Unit	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>LEADING INDICATORS</b>											
Composite index <sup>1</sup>	1967=100	139.4	145.6	146.1	139.2	140.9	136.8	138.9	136.3	138.6	179.2
Net business formation	1967=100	130.8	138.1	138.3	129.9	124.8	116.4	117.5	121.3	120.9	120.4
Building permits <sup>2</sup>	1967=100	144.9	145.4	123.6	98.7	80.0	80.7	131.1	134.8	120.9	141.3
Common stock prices, index <sup>3</sup>	1941=43=10	98.2	95.0	103.0	118.6	128.0	119.7	180.4	160.5	166.8	236.3
Initial claims, unemployment insurance	1,000	368	336	379	460	446	578	426	389	383	370
Change in sensitive prices <sup>4</sup>	Percent	.4	1.3	.9	-	.6	.7	1.0	.2	-.4	1
Change in credit outstanding <sup>5</sup>	Percent	15.0	14.5	13.2	8.0	6.9	1.5	6.5	15.5	10.2	8.6
Vendor performance, slower deliveries	Percent	66	64	63	40	45	37	54	61	45	62
Average workweek, manufacturing <sup>6</sup>	Hours	40.3	40.4	40.2	39.7	39.8	39.9	40.1	40.7	40.5	40.7
Change in inventories (1982 dol.) <sup>7</sup>	Bl. dol.	29	45	19	-15	2	-33	2	48	1	3
Plant and equipment contracts and orders (1982 dol.)	Bl. dol.	326	361	406	362	352	306	318	382	400	400
New orders, manufacturing, consumer goods and materials (1982 dol.)	Bl. dol.	957	1,022	1,003	891	888	806	887	963	951	988
Money supply (M2) <sup>8</sup> (1982 dol.)	Bl. dol.	1,965	1,962	1,929	1,835	1,819	1,873	2,042	2,113	2,227	2,361
<b>COINCIDENT INDICATORS</b>											
Composite index	1967=100	139.4	144.6	155.2	144.8	146.5	136.3	136.9	154.8	160.3	164.6
Industrial production index	1977=100	100.0	106.5	110.7	106.6	111.0	103.1	106.2	121.4	123.8	125.1
Employees, nonagricultural payrolls	Million	82.5	86.7	89.8	90.4	91.2	89.6	90.2	94.5	97.5	98.6
Personal income less transfer payments (1982 dol.)	Bl. dol.	2,070	2,191	2,263	2,233	2,276	2,261	2,301	2,456	2,527	2,602
Sales, mfg. and trade (1982 dol.)	Bl. dol.	4,068	4,327	4,455	4,341	4,368	4,163	4,363	4,732	4,881	5,051
<b>LAGGING INDICATORS</b>											
Composite index	1967=100	108.4	114.0	122.8	124.6	122.4	125.0	111.7	117.3	127.8	132.1
Labor cost per unit of output, mfg. <sup>9</sup>	Percent	99.0	98.0	98.9	102.0	102.9	104.7	95.2	89.6	85.4	81.1
Ratio, consumer installment credit to personal income	Percent	12.8	13.4	13.6	13.2	12.1	11.9	12.2	13.3	14.7	15.9
Average prime rate charged by banks	Percent	6.8	9.1	12.7	15.3	18.9	14.9	10.8	12.0	9.9	8.3
Average duration of unemployment	Weeks	14.3	11.9	10.6	11.9	13.8	15.6	20.0	16.1	15.6	15.1
Ratio inventories to sales, mfg. and trade (1982 dol.)	Ratio	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.5
Commercial and industrial loans outstanding (1982 dol.) <sup>10</sup>	Bl. dol.	199	207	219	225	233	269	261	289	321	342

- Represents zero. <sup>1</sup> Beginning with data for January 1984, net business formation has been suspended from this index. <sup>2</sup> New private housing units authorized. <sup>3</sup> Standard and Poor, 500 stocks. <sup>4</sup> Producer price index of selected crude and intermediate materials and spot market price index of raw industrial materials. <sup>5</sup> Weighted 4-term moving average placed at the terminal month of the span. <sup>6</sup> Business and consumer borrowing. <sup>7</sup> Production workers. <sup>8</sup> See table 800. <sup>9</sup> Actual data as percent of trend. <sup>10</sup> Includes commercial paper issued by nonfinancial companies.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, monthly

## No. 855. BUSINESS CYCLE EXPANSIONS AND CONTRACTIONS—MONTHS OF DURATION: 1919 TO 1986

[The lower turning point of a cycle is considered a trough, the upper turning point a peak. Business cycle reference dates are determined by the National Bureau of Economic Research, Inc.]

BUSINESS CYCLE REFERENCE DATE		Contraction (trough from previous peak)	Expansion (trough to peak)	LENGTH OF CYCLE	
Trough	Peak			Trough from previous trough	Peak from previous peak
March 1919	January 1920	7	10	51	17
July 1921	May 1923	18	22	28	40
July 1924	October 1926	14	27	36	41
November 1927	August 1929	13	21	40	34
March 1933	May 1937	43	50	64	93
June 1938	February 1945	13	80	63	93
October 1945	November 1948	8	37	88	45
October 1949	July 1953	11	45	48	58
May 1954	August 1957	10	38	55	48
April 1966	April 1969	8	24	47	32
February 1969	December 1969	10	108	34	116
November 1970	November 1973	11	38	117	47
March 1975	January 1980	16	58	52	74
July 1980	July 1981	6	12	84	18
November 1982	(x)	16	(x)	26	(x)
Average, all cycles:					
1919-1945 (6 cycles)					
1946-1962 (6 cycles)					
Average, peacetime cycles:					
1919-1945 (5 cycles)					
1946-1962 (6 cycles)					

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, January 1987

### NO. 856. INTERNATIONAL ECONOMIC COMPOSITE INDEXES—AVERAGE ANNUAL PERCENT CHANGE: 1974 TO 1986

[The leading index changes are for years ending June 30 because they lead the coincident indexes by about six months, on average. The G-7 countries are United States, Canada, France, West Germany, Italy, United Kingdom and Japan. Average annual percent changes derived from indexes with base 1963=100. Minus sign (-) indicates decrease]

COUNTRIES	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986
<b>LEADING INDEX</b>												
Total, 9 countries	-9.6	5.8	5.4	2.8	5.7	1.7	-1.4	-1.1	.9	9.9	2.7	2.8
8 countries, excluding U.S.	-10.2	2.6	4.6	.7	6.9	6.0	-2.9	.5	.1	6.0	4.6	2.9
G-7 countries	-9.5	5.8	5.5	2.8	5.7	1.5	-1.5	-1.1	.9	9.9	2.6	2.7
North America	-8.1	9.7	6.3	5.5	4.6	-3.5	.8	-3.7	1.8	15.2	.5	2.7
United States	-8.6	10.5	6.7	5.7	4.3	-4.1	.8	-3.4	1.9	15.5	.2	2.6
Canada	-2.9	1.9	1.8	2.9	8.6	3.3	1.1	-5.6	.9	11.3	3.7	3.7
4 European countries	-6.0	1.8	3.8	.2	4.3	2.9	-2.0	1.0	.9	4.1	2.6	2.7
France	-6.1	.3	3.0	-2.1	5.3	4.2	-1.5	2.2	.5	3.4	2.8	2.9
West Germany	-5.1	5.1	3.4	2.0	5.6	2.9	3.3	-.9	2.2	8.1	2.4	2.7
Italy	-3.4	-1.8	2.4	-2.0	3.9	4.3	3.2	-.6	-.9	2.2	2.6	5.6
United Kingdom	-5.4	1.5	5.2	2.0	1.8	.5	-4.3	3.4	2.0	3.4	2.4	.8
3 Pacific region countries	-19.2	4.5	7.2	11.3	11.6	12.4	-5.1	7.1	-1.4	8.3	6.1	2.8
Australia	-12.6	5.5	2.7	-.9	9.3	4.0	.5	4.4	2.8	8.9	7.2	5.5
China: Taiwan	1.4	11.2	7.1	11.2	11.8	4.9	5.7	5.0	8.1	11.8	6.5	6.2
Japan	-20.5	4.2	7.8	1.3	11.9	13.8	-6.2	1.7	-1.8	■	■	2.4
<b>COINCIDENT INDEX</b>												
Total, 9 countries	-4.5	4.7	4.5	5.5	4.4	.3	.4	-2.4	1.7	5.1	3.7	3.1
8 countries, excluding U.S.	-2.8	3.4	3.2	3.9	5.1	2.6	.4	.9	1.1	3.7	3.9	3.4
G-7 countries	-4.6	4.7	4.6	5.5	4.4	.2	.2	-2.4	1.8	5.0	3.6	3.0
North America	-6.3	6.6	6.1	7.4	3.7	-2.4	.7	-6.1	2.6	9.5	3.4	2.7
United States	-7.1	6.7	■	7.7	3.5	-2.8	.5	-6.2	2.7	9.9	3.3	2.6
Canada	1.7	5.5	2.6	4.1	5.2	2.3	3.7	-4.7	2.0	6.7	5.1	3.6
4 European countries	-3.9	2.8	2.8	3.4	4.3	1.5	1.9	-.4	.6	2.2	3.1	3.6
France	5.6	4.0	2.8	1.8	2.5	1.3	-.2	2.8	2.1	.7	1.4	3.6
West Germany	-3.2	3.1	2.8	3.4	4.6	2.5	-.9	-2.5	-.4	2.5	3.7	4.5
Italy	-3.5	4.2	2.3	2.7	5.1	5.4	-1.4	-.4	-1.4	3.7	2.9	2.0
United Kingdom	-2.9	.3	2.3	5.6	5.1	-2.0	-5.9	-1.2	1.5	2.5	4.2	3.4
3 Pacific region countries	1.6	4.0	4.4	4.7	6.5	4.5	3.6	2.4	1.7	5.8	5.1	3.0
Australia	3.2	2.1	1.1	1.8	3.7	4.9	5.8	-2.1	-7.0	9.2	7.6	5.9
China: Taiwan	4.3	18.0	10.6	13.6	10.0	7.5	5.6	2.7	7.1	12.2	4.1	6.4
Japan	-1.5	4.0	5.0	4.6	6.6	4.4	3.2	2.9	2.8	5.2	4.6	2.5

- Represents zero.

Source: Center for International Business Cycle Research, Columbia Business School, New York, NY. *International Economic Indicators*, monthly.

### NO. 857. MANUFACTURING AND TRADE—SALES AND INVENTORIES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1986

[In billions of dollars, except ratios]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>CURRENT DOLLARS</b>												
Sales, average monthly	197	182	230	261	296	328	367	346	388	488	419	438
Manufacturing	53	87	113	127	144	154	166	163	171	186	180	188
Retail trade	31	49	60	67	75	80	87	89	96	107	115	121
Merchant wholesalers	24	47	56	67	79	93	102	96	100	113	115	115
Inventories <sup>1</sup>	175	288	361	400	451	494	528	562	574	620	646	664
Manufacturing	102	180	189	211	241	264	263	317	307	325	331	322
Retail trade	44	72	89	103	111	118	127	133	139	157	172	188
Merchant wholesalers	32	57	73	86	99	113	116	130	127	136	143	147
Inventory-sales ratio <sup>2</sup>	1.83	1.58	1.45	1.44	1.44	1.41	1.52	1.67	1.56	1.52	1.54	1.54
Manufacturing	1.91	1.77	1.55	1.55	1.61	1.61	1.74	1.94	1.80	1.73	1.74	1.70
Retail trade	1.39	1.38	1.43	1.44	1.42	1.40	1.46	1.49	1.42	1.47	1.50	1.54
Merchant wholesalers	1.30	1.19	1.22	1.22	1.16	1.10	1.20	1.35	1.27	1.20	1.24	1.38
<b>CONSTANT (1982) DOLLARS</b>												
Sales, average monthly <sup>3</sup>	280	306	351	373	375	373	367	346	363	465	414	431
Manufacturing	131	149	174	183	79	175	167	159	175	186	188	193
Retail trade	70	83	93	97	96	93	91	94	102	106	113	120
Merchant wholesalers	60	74	84	93	96	104	99	93	102	109	112	119
Inventories	428	486	547	575	586	591	602	582	584	631	658	649
Manufacturing	248	262	302	314	325	327	330	315	309	330	322	317
Retail trade	97	116	131	139	137	130	136	133	142	158	166	175
Merchant wholesalers	83	99	114	125	126	134	136	134	133	143	146	152
Inventory-sales ratio <sup>4</sup>	1.54	1.58	1.55	1.55	1.56	1.59	1.66	1.66	1.59	1.56	1.54	1.49
Manufacturing	1.90	1.90	1.73	1.71	1.61	1.67	1.96	1.99	1.74	1.77	1.70	1.64
Retail trade	1.39	1.39	1.42	1.44	1.42	1.40	1.46	1.41	1.39	1.46	1.50	1.49
Merchant wholesalers	1.39	1.34	1.38	1.34	1.30	1.29	1.37	1.44	1.30	1.31	1.32	1.35

<sup>1</sup> Book value; seasonally adjusted end-of-year data. See text, section 17. <sup>2</sup> Average inventories to average sales. Average inventories based on weighted averages of end-of-month figures. <sup>3</sup> Average monthly sales for fourth quarter. <sup>4</sup> End of April quarter inventories to average monthly sales for fourth quarter.

Source: Current dollars from U.S. Bureau of the Census, *Current Business Reports*, "Manufacturing and Trade Inventories and Sales" February 1967 and unpublished data; constant dollars from U.S. Bureau of Economic Analysis, 1970 and 1975 unpublished data; 1976-82, *Survey of Current Business*, February issues; 1983, *Survey of Current Business*, September 1983; and 1984-86, *Survey of Current Business*, September 1987.

## 58. MANUFACTURING CORPORATIONS, ASSETS, AND PROFITS, BY ASSET SIZE: 1970 TO 1986

one and assets as of and of 4th quarter; profit for entire year. Through 1979, corporations under \$10 million based on \$10 million and over based on complete canvases, thereafter, under \$25 million based on sample and \$25 million and over on complete canvases. For details regarding methodology, see source for first quarter, 1987]

UNIT AND ITEM	Unit	Total	ASSET-SIZE CLASS						
			Under \$10 mil.	\$10-\$25 mil.	\$25-\$50 mil.	\$50-\$100 mil.	\$100-\$250 mil.	\$250 mil.-\$1 bil.	\$1 bil. and over
<b>NUM.</b>									
Number		197,807	* 195,000	1,202	533	306	289	216	102
Number	(NA)	(NA)	(NA)	1,750	706	450	362	276	151
Number	(NA)	(NA)	(NA)	1,703	757	472	400	301	162
Number	(NA)	(NA)	(NA)	1,793	809	501	409	327	174
Number	(NA)	(NA)	(NA)	1,780	802	518	408	320	181
Number	(NA)	(NA)	(NA)	1,918	979	571	470	341	225
Number	(NA)	(NA)	(NA)	1,777	941	590	491	369	244
Number	(NA)	(NA)	(NA)	(NA)	845	603	520	376	259
Number	(NA)	(NA)	(NA)	(NA)	820	642	510	376	275
Number	(NA)	(NA)	(NA)	872	663	663	569	403	275
Number	(NA)	(NA)	(NA)	799	872	703	601	420	287
Number	(NA)	(NA)	(NA)	863	896	744	606	428	281
Number	(NA)	(NA)	(NA)	914	962	741	628	445	291
<b>ML. dol.</b>									
ML. dol.		578,234	66,101	20,471	20,136	25,948	47,783	112,475	282,320
ML. dol.		810,910	98,147	31,907	24,720	31,396	62,524	139,113	423,705
ML. dol.		883,860	98,355	32,244	26,536	32,870	62,633	149,412	481,709
ML. dol.		952,966	102,241	35,803	28,595	35,032	63,590	160,107	537,830
ML. dol.		1,066,433	114,006	38,358	30,813	37,429	68,907	164,958	633,983
ML. dol.		1,242,985	124,853	42,007	34,082	40,336	73,172	189,599	758,937
ML. dol.		1,384,474	126,639	43,689	34,930	41,963	75,284	178,958	882,129
ML. dol.		1,580,353	136,915	57,453	39,756	43,924	82,284	188,913	1,011,105
ML. dol.		1,614,018	141,363	55,327	38,333	48,013	78,786	180,047	1,072,169
ML. dol.		1,704,351	149,791	54,508	41,786	52,673	87,391	194,212	1,124,612
ML. dol.		1,853,457	156,671	59,549	49,419	53,517	94,315	206,696	1,233,298
ML. dol.		1,932,786	153,893	64,324	52,699	58,019	99,748	208,403	1,298,720
ML. dol.		2,022,168	* 140,778	70,269	50,892	62,411	102,849	221,704	1,373,255
<b>%</b>									
ML. dol.		28,572	2,812	811	836	1,101	2,315	5,862	14,832
ML. dol.		48,135	6,212	1,831	1,327	1,678	3,553	8,165	26,370
ML. dol.		64,519	7,799	2,238	1,714	2,070	3,945	10,422	36,830
ML. dol.		70,366	8,883	2,189	1,887	2,252	4,401	11,206	39,789
ML. dol.		81,185	9,417	2,487	2,254	2,602	4,712	12,311	47,591
ML. dol.		98,698	10,119	2,720	2,347	2,868	5,347	13,412	61,864
ML. dol.		92,443	7,770	2,235	1,804	2,479	4,532	11,485	62,041
ML. dol.		101,302	8,863	3,077	1,944	2,415	4,580	10,087	70,354
ML. dol.		71,028	5,193	2,278	1,196	1,421	2,643	6,892	51,405
ML. dol.		66,834	7,436	2,893	2,749	2,460	3,891	8,134	60,893
ML. dol.		107,648	10,037	3,417	2,527	2,877	4,864	9,278	74,848
ML. dol.		67,647	8,601	2,551	2,305	2,819	3,626	7,312	60,431
ML. dol.		63,122	* 6,659	2,988	2,129	2,514	3,894	7,572	57,376

† Available. \* Source: U.S. Securities and Exchange Commission. † Data derived from U.S. Internal Revenue Statistics of Income, annual. \* 1986 data exclude estimates for corporations with less than \$250,000 in assets at time selection. Prior periods include estimates for corporations in this size category. † After taxes.

Except as noted, through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census, *Quarterly Report for Manufacturing, Mining and Trade Corporations*.

## 59. LARGEST INDUSTRIAL CORPORATIONS—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY SALES GROUP RANK: 1984 TO 1986

sales, and net income in billions of dollars; employees in thousands, except percent. Excludes large privately companies that do not publish sales. Includes service and rental revenues, but companies must derive more than 50% of revenues from manufacturing or mining for years ending not later than Dec. 31 of year stated, sales exclude excise collected by manufacturer and include discontinued operations]

BY SALES GROUP	SALES			ASSETS <sup>1</sup>			NET INCOME <sup>2</sup>			EMPLOYEES <sup>3</sup>		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
<b>all</b>	1,788.7	1,807.1	1,723.5	1,488.4	1,518.4	1,589.9	86.9	88.8	84.1	14,196	14,066	13,382
0	1,223.0	1,264.1	1,193.7	965.5	1,006.6	1,114.7	63.0	53.5	48.0	8,792	8,789	8,529
0	262.5	265.5	282.4	210.7	224.8	219.6	12.4	7.0	8.4	2,468	2,466	2,302
0	139.8	140.7	131.9	110.1	114.0	107.1	4.1	4.9	3.8	1,449	1,390	1,233
0	61.1	63.6	62.2	65.3	72.9	75.5	3.2	2.5	2.4	892	886	792
0	52.3	53.2	53.5	37.6	39.9	43.9	2.2	1.7	1.7	573	525	512
<b>all total:</b>												
0	69.5	69.9	69.2	69.9	70.3	71.4	72.4	76.9	74.9	61.8	62.5	63.8
0	14.9	14.7	15.2	14.9	14.8	14.1	14.2	10.1	13.1	17.5	17.5	17.3
0	7.9	7.6	7.6	7.8	7.8	8.9	6.9	7.0	5.8	10.2	9.8	9.2
0	4.8	4.6	4.8	4.8	4.8	4.8	3.6	3.6	3.7	6.3	6.3	5.8
0	3.0	2.9	3.1	2.6	2.5	2.8	2.4	2.4	2.7	4.0	3.8	3.8

assets employed in business at end of fiscal year, less depreciation and depletion. <sup>2</sup> After taxes, special charges, and <sup>3</sup> As of year end, or yearly average.

Time, Inc., New York, NY, *The Fortune Directories*. (Copyright.)



### NO. 860. 500 LARGEST INDUSTRIAL CORPORATIONS—SELECTED FINANCIAL ITEMS, BY INDUSTRY: 1985 AND 1986

[Data are medians and are ranked based on sales per employee for latest year shown. See headnote, table 858. Minus sign (—) indicates decrease. For definition of median, see Guide to Tabular Presentation]

INDUSTRY	SALES PER EMPLOYEE (\$1,000)		CHANGES IN PROFITS (percent)		SALES PER DOLLAR OF STOCKHOLD- ER'S EQUITY (dol.)		RETURN ON STOCKHOLD- ER'S EQUITY (percent)		RETURN ON SALES (percent)		TOTAL RETURN TO INVESTORS <sup>1</sup> (percent)	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
<b>Total</b>	<b>108.0</b>	<b>110.7</b>	<b>-4.1</b>	<b>(NA)</b>	<b>2.80</b>	<b>2.79</b>	<b>11.6</b>	<b>11.8</b>	<b>3.9</b>	<b>4.1</b>	<b>26.3</b>	<b>18.7</b>
Petroleum refining	486.3	405.8	10.5	-45.7	3.48	2.93	8.9	5.8	2.7	2.4	26.2	12.3
Mining, crude-oil production	241.0	190.2	19.8	30.7	1.86	1.85	11.0	7.7	4.8	3.8	10.7	8.5
Beverages	155.4	151.4	13.3	11.4	2.73	2.26	17.5	16.8	6.4	7.7	43.8	23.8
Food	155.2	187.3	4.8	14.2	5.73	5.42	15.0	15.8	3.0	2.8	54.4	20.4
Chemicals	124.1	164.4	-11.3	25.0	2.45	2.26	8.3	11.8	3.4	5.2	28.5	11.9
Soaps, cosmetics	123.6	163.0	-14.0	22.9	3.19	3.11	12.1	18.7	3.8	5.4	43.3	10.4
Metal manufacturing	129.7	134.3	26.7	39.2	2.70	2.52	5.0	5.1	1.9	1.5	8.0	4.6
Paper, fiber, wood products	131.1	131.1	5.8	19.4	2.36	2.30	8.3	11.8	3.8	4.8	24.6	16.2
Rubber, plastic products	98.9	94.2	-17.6	19.6	3.21	3.38	9.3	10.8	2.4	2.3	27.2	17.8
Glass, concrete, abrasives, gypsum	115.1	125.1	14.9	19.5	2.50	2.30	10.0	11.5	4.0	3.8	26.2	11.2
Pharmaceuticals	100.7	111.4	9.1	20.3	1.72	1.95	15.8	23.8	10.4	13.1	48.1	16.1
Publishing, printing	104.0	95.1	11.4	10.5	2.26	2.21	18.7	18.7	8.1	6.6	36.4	24.6
Shipbuilding, railroad and transportation equipment <sup>2</sup>	111.7	113.2	-25.6	-25.0	4.23	3.45	13.2	5.2	4.0	1.7	-8.1	17.0
Motor vehicles	97.5	105.5	13.8	11.0	3.58	3.48	13.7	10.1	4.4	3.0	13.7	13.1
Metal products	87.5	94.9	4	10.8	2.80	2.93	12.7	13.3	4.6	4.4	31.0	17.5
Industrial and farm equipment	86.6	92.1	-13.2	18.8	2.52	2.59	5.8	3.7	2.3	1.2	13.3	7.4
Musical instruments, toys, sporting goods	135.4	131.8	80.8	-97.6	5.33	2.52	31.7	.9	■	1	25.7	15.7
Aerospace	88.2	88.7	6.3	-4.3	3.85	4.01	13.1	12.4	4.2	4.1	24.7	20.1
Measuring, scientific, photo. equip	77.2	84.7	11.2	4.7	2.02	1.98	13.1	10.3	5.1	4.7	19.3	13.2
Electronics, appliances	72.7	81.6	-4.1	8.1	2.83	2.77	10.1	9.8	4.2	3.4	17.4	14.2
Office equipment (incl. computers)	88.8	97.3	-8.2	25.6	2.01	1.94	11.0	10.8	4.3	5.5	14.1	14.2
Textiles, vinyl flooring	62.3	73.1	-19.9	39.1	3.42	3.24	5.6	8.1	1.6	3.0	34.6	17.2
Apparel	54.7	54.6	2.2	29.7	3.42	3.21	12.0	12.2	2.7	3.3	48.8	22.2

NA: Not available. <sup>1</sup> Includes both price appreciation and dividend yield, i.e., to an investor in the company's stock.

<sup>2</sup> Excludes motor vehicles and aircraft.

Source: Time, Inc., New York, NY, *The Fortune Directory* (Copyright.)

### NO. 861. CORPORATE FUNDS—SOURCES AND USES: 1970 TO 1986

[In billions of dollars, except percent. Covers nonfarm nonfinancial corporate business. See text, section 17]

SOURCE AND USE	1970	1973	1979	1980	1981	1982	1985	1984	1985	1986
<b>Sources, total</b>	<b>162.2</b>	<b>168.4</b>	<b>362.8</b>	<b>347.5</b>	<b>362.5</b>	<b>327.5</b>	<b>431.3</b>	<b>565.4</b>	<b>493.1</b>	<b>498.6</b>
Internal	62.6	124.8	187.8	200.1	239.5	242.3	286.7	328.3	362.5	398.0
Domestic undistributed profits	7.6	38.4	71.5	59.7	50.2	11.8	22.2	31.5	17.9	6.1
IVA and CCA <sup>1</sup>	-1.6	-17.9	-57.2	-59.2	-38.0	-16.7	5.1	25.9	52.1	55.8
Capital consumption allowances	48.9	91.9	149.6	171.3	196.8	221.4	228.2	237.9	250.8	281.3
Foreign earnings <sup>2</sup>	8.8	14.4	33.7	■	26.5	28.1	30.2	31.0	31.9	35.5
External <sup>3</sup>	39.5	33.6	■	147.5	143.0	85.3	145.6	177.1	130.6	127.6
Percent of total	36.6	21.2	44.0	42.4	37.4	28.0	33.8	36.2	27.0	28.9
Credit market funds	24.2	27.1	87.8	84.3	83.7	60.8	87.8	118.4	82.1	87.2
Securities and mortgages	28.3	36.5	21.0	53.1	22.8	44.0	57.3	-10.0	15.3	25.6
Equity issues	5.7	9.9	-7.8	12.9	-11.5	11.4	28.3	-77.0	-81.8	-80.8
Bonds and mortgages <sup>4</sup>	20.6	26.6	28.8	40.3	34.2	32.6	29.0	67.0	96.9	107.3
Loans and short-term paper	7.9	-11.5	88.9	41.2	70.9	38.6	30.3	120.5	68.8	70.6
Other	5.3	6.5	87.3	53.2	49.3	4.7	58.0	60.7	48.5	32.6
Profit taxes payable	-3.7	-2.4	2.5	-1.7	-8.6	-14.1	8.8	.7	-1.8	1.0
Trade debt	7.5	6.3	52.9	39.8	30.8	6.0	40.8	34.4	33.0	4.2
Foreign direct investments in U.S.	1.5	2.6	11.8	15.3	25.3	13.8	11.5	25.6	17.2	25.3
<b>Uses, total</b>	<b>69.0</b>	<b>168.4</b>	<b>282.8</b>	<b>248.2</b>	<b>248.2</b>	<b>282.8</b>	<b>398.1</b>	<b>493.1</b>	<b>439.8</b>	<b>497.2</b>
Capital expenditures	79.3	112.2	238.3	244.1	288.3	288.3	274.8	371.2	353.1	382.3
Increase in financial assets	18.7	41.2	124.5	99.1	82.8	35.7	124.3	97.9	85.4	84.9
Discrepancy (sources less uses)	■	5.0	-10.1	4.4	33.5	35.6	32.2	34.3	44.6	49.4

<sup>1</sup> Inventory valuation and capital consumption adjustment. <sup>2</sup> Foreign branch profits, dividends, and subsidiaries earnings retained abroad. <sup>3</sup> Net increases in liability. <sup>4</sup> Includes industrial pollution control revenue bonds, issued by State and local governments.

Source: Board of Governors of the Federal Reserve System. Data derived from *Flow of Funds Accounts*, annual.

## NO. 852. CORPORATE PROFITS, TAXES, AND DIVIDENDS: 1970 TO 1986

1 billions of dollars. Covers corporations organized for profit. Represents profits to U.S. residents, without deduction of depletion charges and exclusive of capital gains and losses; intercorporate dividends from profits of domestic corporations are eliminated; net receipts of dividends, reinvested earnings of incorporated foreign affiliates, and earnings of unincorporated foreign affiliates are added]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
profits before taxes	76.0	134.8	200.4	233.5	257.2	237.1	226.5	169.6	207.6	240.0	224.8	231.9
less: Income tax liability <sup>1</sup>	34.4	50.9	73.0	83.5	88.0	84.8	81.1	63.1	77.2	93.9	98.7	105.0
plus: Profits after taxes	41.7	83.9	127.4	150.0	169.2	152.3	145.4	106.5	130.4	146.1	126.1	126.9
less: Net dividends <sup>2</sup>	22.5	29.6	39.5	44.7	50.1	54.7	63.6	66.9	71.5	79.0	81.3	86.8
plus: Undistributed profits	19.2	54.3	87.9	105.2	119.1	97.6	81.8	39.6	58.9	67.0	44.8	40.0
capital consumption allowances <sup>3</sup>	57.2	60.2	111.5	126.3	144.3	164.6	196.3	225.6	259.7	287.2	322.7	328.6
profits after tax plus capital consumption allowances <sup>3</sup>	90.9	174.1	238.9	278.3	313.5	316.9	341.7	332.3	390.1	433.3	450.8	456.7

<sup>1</sup> Federal, State and local. <sup>2</sup> Disbursements to U.S. residents, measured after eliminations of intercorporate dividends. <sup>3</sup> Without capital consumption adjustment. Includes depreciation and accidental damages.

## NO. 853. CORPORATE PROFITS—FINANCIAL AND NONFINANCIAL INDUSTRIES: 1970 TO 1986

[In billions of dollars. Minus sign (-) indicates loss. See headnote, table 852]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Corporate profits with IVA <sup>1</sup> and CCA <sup>2</sup>	74.7	117.6	174.6	197.2	208.1	177.2	198.0	160.9	213.7	296.8	277.6	284.4
Domestic industries	67.8	103.2	156.5	175.0	186.4	142.8	159.4	121.9	183.8	236.0	247.1	253.2
Financial	12.3	11.6	21.6	29.1	27.3	19.7	15.2	10.1	18.0	13.6	19.4	27.5
Nonfinancial	55.4	91.6	134.9	146.0	159.1	123.1	144.2	111.9	165.8	222.4	227.7	225.8
rest of the world	6.9	14.4	18.3	22.2	33.7	34.4	28.5	28.0	30.2	30.9	30.5	31.2
Corporate profits with IVA <sup>1</sup>	69.5	123.9	163.6	206.2	214.1	184.0	202.3	159.2	196.7	234.2	224.1	236.4
Domestic industries	62.6	109.5	165.5	186.0	180.4	159.6	173.8	131.2	186.6	203.3	193.6	207.2
Financial	12.2	11.2	21.6	29.1	27.8	21.0	16.5	11.8	18.1	13.0	18.4	26.1
Federal Reserve banks	3.6	5.7	6.2	7.7	9.6	11.9	14.5	15.4	14.8	16.7	18.6	18.0
Other	6.8	5.5	15.4	21.4	18.2	9.0	1.9	-3.6	3.3	-3.7	1.8	10.1
Nonfinancial	50.4	98.3	143.9	156.8	152.6	138.6	157.3	119.4	148.5	190.3	175.2	181.1
Manufacturing	26.7	53.6	80.0	88.7	87.5	77.1	68.5	58.0	70.1	88.8	72.2	68.4
Durable goods <sup>3</sup>	10.2	19.8	38.6	44.6	37.3	21.3	21.0	2.1	17.2	38.1	29.2	31.1
Primary metal industries	6	2.7	1.3	3.5	3.6	2.5	3.1	-4.8	-4.9	-6	-2.5	1.9
Fabricated metal products	1.1	3.1	4.4	4.9	5.2	4.3	4.4	2.4	3.0	4.7	4.0	4.1
Machinery, except electrical	3.0	4.8	8.9	9.6	9.1	7.7	6.6	4.1	3.1	6.2	4.2	3.9
Electrical and electronic equipment	1.2	2.4	6.6	6.7	6.2	4.7	4.1	1.7	3.7	6.5	4.5	4.3
Motor vehicles and equipment	1.2	2.0	9.4	8.9	4.7	2.5	1	-8	5.1	9.0	6.5	5.9
Nondurable goods <sup>3</sup>	16.5	33.8	42.0	44.0	50.2	55.8	67.5	55.9	53.0	50.7	43.0	36.4
Food and kindred products	3.2	6.8	8.9	8.2	5.8	6.1	6.7	7.0	7.2	6.7	7.0	6.7
Chemicals and allied products	3.9	6.4	7.8	8.2	7.2	5.4	8.2	5.2	6.7	8.0	4.2	6.7
Petroleum and coal products	3.6	9.5	12.9	14.7	22.5	31.4	36.5	29.1	21.4	17.2	13.7	5.4
Transportation and public utilities	6.2	10.3	17.9	20.9	15.2	17.6	19.5	19.3	28.5	38.5	37.5	42.4
Wholesale and retail trade	9.6	22.2	27.5	27.9	28.7	21.6	32.5	34.6	38.9	51.2	61.4	52.1
Other	5.9	12.2	17.8	20.0	21.1	22.4	16.8	7.5	10.9	11.8	14.1	17.2

<sup>1</sup> Inventory valuation adjustments. <sup>2</sup> Capital consumption adjustment. <sup>3</sup> Includes other industries not shown separately.

## NO. 854. CORPORATE PROFITS, BY INDUSTRY: 1980 TO 1986

1 billions of dollars. Profits are without inventory valuation and capital consumption adjustments. Minus sign (-) indicates loss. See headnote, table 852]

INDUSTRY	BEFORE TAXES						AFTER TAXES					
	1980	1983	1983	1984	1985	1986	1986	1982	1983	1984	1985	1986
Domestic industries, total	202.7	141.5	177.8	206.0	194.9	206.7	117.8	78.5	109.2	115.1	97.8	95.6
Agriculture <sup>1</sup>	6	-1	-2	1	1	1	2	-2	-4	-2	-3	-3
Mining	6.5	-2.1	-1.8	-1.6	-1.4	-2.0	4.7	-2.7	-2.1	-2.4	-2.4	-3.1
Manufacturing	6.5	3.1	3.4	4.3	3.9	4.8	4.4	1.8	2.1	3.0	2.9	3.2
Transportation	96.3	62.5	74.1	82.1	72.9	67.3	57.1	37.1	42.6	53.7	39.4	30.4
Communication	3.7	1	4.5	6.7	6.6	6.6	2.1	-9	2.7	4.8	4.7	4.1
Public utilities	7.5	7.9	9.1	11.7	11.8	13.3	5.8	6.4	7.2	8.1	7.8	8.0
Wholesale and retail trade	9.7	12.9	14.6	20.1	18.3	18.2	7.1	10.3	10.6	14.6	12.7	11.9
Finance, insurance <sup>2</sup>	39.0	37.7	45.0	52.7	52.1	52.8	28.6	27.8	31.8	37.3	36.7	36.2
Other	22.9	9.2	17.4	11.4	17.1	26.0	3.1	-8.7	-2.4	-11.4	-12.1	-4.0
Rest of world <sup>3</sup>	9.9	10.3	11.5	11.3	13.1	14.1	6.9	7.9	6.2	7.7	9.3	10.1
rest of world <sup>3</sup>	34.4	28.0	30.2	30.8	30.6	31.2	34.4	26.0	30.2	30.9	30.6	31.2

<sup>1</sup> Includes forestry and fisheries. <sup>2</sup> Includes real estate. <sup>3</sup> Consists of receipts by all U.S. residents, including both operations and persons, of earnings of unincorporated foreign affiliates, dividends from their incorporated foreign affiliates, and air share of reinvested earnings of their incorporated foreign affiliates, net of corresponding outflows.

Source of tables 852-854: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States*, 199-62, and *Survey of Current Business*, July 1987 issue.

### NO. 865. MANUFACTURING CORPORATIONS—SALES, PROFITS, STOCKHOLDERS' EQUITY, AND DEBT: 1960 TO 1986

[In billions of dollars. Prior to 1970, excludes newspapers. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc., for detail, see source. See also *Historical Statistics, Colonial Times to 1970*, series P 93-106]

YEAR	ALL MANUFACTURING CORPS.					DURABLE GOODS INDUSTRIES					NONDURABLE GOODS INDUSTRIES				
	Sales	Profits		Stock- holders' equity <sup>1</sup>	Debt <sup>1</sup>	Sales (net)	Profits		Stock- holders' equity <sup>1</sup>	Debt <sup>1</sup>	Sales (net)	Profits		Stock- holders' equity <sup>1</sup>	Debt <sup>1</sup>
		Before taxes	After taxes				Before taxes	After taxes				Before taxes	After taxes		
1960	346	26	15	165	41	174	14	7	82	21	172	14	8	83	20
1965	492	47	28	212	58	257	28	15	105	28	235	20	13	108	30
1970	709	48	29	307	134	393	23	13	155	71	348	25	11	152	63
1972	850	63	37	343	149	436	34	18	171	77	414	30	18	172	72
1973	1,017	81	48	374	164	527	44	25	189	88	480	38	23	185	79
1974	1,061	92	59	395	167	529	41	25	188	87	532	51	34	199	80
1975	1,065	80	49	423	183	521	35	21	208	94	544	45	35	215	88
1976	1,203	105	65	463	186	590	51	31	224	91	614	54	34	228	87
1977	1,328	115	70	487	200	657	58	35	240	95	671	57	36	257	108
1978	1,490	133	81	541	222	781	70	42	283	108	738	63	39	278	117
1979	1,742	154	99	600	252	866	72	45	292	123	876	62	54	308	129
1980	1,897	145	92	665	292	883	57	36	318	143	1,014	85	57	346	148
1981	2,145	159	101	743	335	979	67	42	350	159	1,165	91	60	383	170
1982	2,039	106	71	770	371	913	35	22	358	177	1,128	74	49	415	193
1983	2,114	133	86	813	388	973	49	30	372	188	1,141	84	56	440	200
1984	2,335	108	108	854	406	1,108	76	49	388	188	1,228	90	59	468	230
1985	2,351	137	88	885	454	1,143	61	39	421	187	1,189	75	48	445	267
1986 <sup>a</sup>	2,221	129	83	875	501	1,126	62	33	438	203	1,098	78	51	444	289

<sup>1</sup> Annual data are average equity or debt for the year (using four end-of-quarter figures). <sup>a</sup> 1986 data exclude estimates for corporations with less than \$250,000 in assets at time of sample selection. Prior periods include estimates for corporations in this size category.

Source: Through 1981, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. In U.S. Council of Economic Advisors, *Economic Report of the President*, annual.

### NO. 866. CORPORATE PROFITS, STOCKHOLDERS' EQUITY, SALES, AND DEBT RATIOS, BY INDUSTRY GROUP: 1960 TO 1986

[Averages of quarterly figures at annual rates. Based on sample; see source for discussion of methodology. Minus sign (-) indicates loss. See footnote, table 865]

INDUSTRY GROUP	RATIO OF PROFITS TO STOCKHOLDERS' EQUITY (percent)				PROFITS PER DOLLAR OF SALES (cents)				RATIO OF STOCKHOLDERS' EQUITY TO DEBT			
	1960	1964	1968	1986	1960	1964	1968	1986	1960	1964	1968	1986
All manufacturing corporations <sup>1</sup>	13.9	12.5	10.1	8.5	4.9	4.6	3.6	3.6	2.3	2.1	1.9	1.9
Durable goods industries	11.2	12.4	8.3	7.5	4.6	4.4	3.4	2.9	2.2	2.4	2.2	2.2
Stone, clay, and glass products	10.8	9.4	7.9	10.5	4.2	3.6	3.1	3.9	1.9	1.7	1.7	1.5
Primary metal industries	11.7	1.5	-7.9	-10.0	4.1	-5	-2.6	-3.0	1.7	1.2	1.2	1.1
Iron and steel	9.0	2.7	11.0	38.5	2.9	8	-2.6	7.3	1.7	1.0	1.6	7
Nonferrous metals	15.6	-5	-5.7	4.3	5.8	3	-2.5	2.0	1.8	1.5	1.6	1.6
Fabricated metal products	13.9	12.9	9.2	8.7	4.2	3.9	2.8	2.8	2.1	1.8	1.6	1.6
Machinery, exc. electrical	15.0	11.8	8.3	8.0	6.5	5.8	4.7	3.3	2.2	2.8	2.6	2.5
Electrical and electronic equipment	15.1	11.7	8.3	8.9	5.0	4.4	3.4	3.9	2.8	2.8	2.7	2.5
Transportation equipment	-5	20.4	15.4	12.4	3	5.2	4.1	3.6	2.7	3.3	2.8	2.7
Motor vehicles and equipment	-9.3	24.8	18.2	14.4	3.4	6.1	4.8	4.2	3.4	4.0	4.2	3.2
Aircraft, guided missiles and parts	18.0	14.1	11.1	9.4	4.3	4.1	3.1	2.9	2.8	3.7	2.8	2.8
Instruments and related products	17.5	12.5	10.1	3.1	9.3	7.0	5.7	1.8	4.3	4.1	3.5	3.0
Nondurable goods industries	16.4	12.8	11.5	11.5	8.6	4.8	4.1	4.6	2.3	2.9	1.7	1.8
Food and kindred products	14.7	13.3	15.3	16.2	3.4	3.3	4.1	4.2	1.9	1.5	1.4	1.1
Tobacco manufactures	19.8	20.4	( <sup>a</sup> )	( <sup>a</sup> )	11.7	12.0	( <sup>a</sup> )	( <sup>a</sup> )	1.8	2.3	( <sup>a</sup> )	( <sup>a</sup> )
Textile mill products	8.5	11.2	6.6	13.1	2.2	3.2	2.4	3.7	2.0	1.8	1.5	1.6
Paper and allied products	12.1	10.7	9.7	10.7	5.1	4.2	4.0	4.4	2.0	1.7	1.7	1.5
Printing and publishing	16.4	16.2	19.2	16.8	5.5	6.0	6.5	6.7	2.1	2.0	1.7	1.5
Chemicals and allied products	15.4	14.0	9.4	12.9	7.1	6.6	4.7	6.2	2.2	2.9	2.1	1.7
Industrial	11.9	11.6	4.2	12.5	5.4	5.4	2.2	6.0	1.9	2.1	1.8	1.5
Drugs	19.9	20.2	15.2	23.0	13.2	13.3	8.8	14.6	3.0	3.0	3.2	2.5
Petroleum and coal products	20.0	10.0	8.5	6.1	7.7	5.1	4.0	3.8	3.4	2.0	1.8	1.5
Rubber and misc. plastics products	6.7	13.6	9.5	11.9	2.0	3.8	2.6	3.4	1.6	2.0	1.6	1.5
Mining corporations, total <sup>2</sup>	18.2	4.9	-4.9	-18.2	11.3	3.6	-3.3	-14.4	1.9	1.9	1.9	1.9
Retail trade corporations, total <sup>2</sup>	13.2	14.8	13.5	13.3	1.7	2.5	2.3	2.3	1.3	1.3	1.4	1.5
Wholesale trade corporations, total <sup>2</sup>	17.9	9.9	8.7	8.4	1.8	1.2	1.9	1.1	1.2	1.9	1.8	1.8

<sup>1</sup> Includes other industries not shown separately. <sup>a</sup> Beginning 1965, tobacco included in food and kindred products.

<sup>2</sup> Beginning 1964, represents results of companies with assets over \$25 million.

Source: 1960, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. In U.S. Council of Economic Advisors, *Economic Report of the President*, annual.

### 57. U.S. LARGEST PUBLIC COMPANIES—RETURN ON EQUITY, DEBT EQUITY RATIO, SALES, AND EARNINGS PER SHARE—BY INDUSTRY: 1982 TO 1986

Year ending in September. Included in the Forbes Universe of 1,000 companies is every firm with revenue of over \$475 million in 1986. Represents industry medians; calculated by listing companies in rank order and selecting the midpoint. Where there is an even number of companies, an arithmetic average of the two middle companies is substituted.

Industry	PROFITABILITY					GROWTH					
	Return on equity <sup>1</sup>			1986		Sales <sup>4</sup>			Earnings per share		
	5-year rank	1982-86 average (per-cent)	1986 (per-cent)	Debt/equity ratio <sup>2</sup>	Net profit margin <sup>3</sup> (per-cent)	5-year rank	1982-86 average (per-cent)	1986 (per-cent)	5-year rank	1982-86 average (per-cent)	1986 (per-cent)
Industry medians	(0)	12.8	12.8	44.8	2.8	(0)	7.1	2.8	(0)	-9	2.8
Food and tobacco	1	21.9	18.2	33.8	8.6	12	7.6	11.0	6	9.2	10.4
Chemicals	2	18.3	15.6	31.3	8.3	11	8.3	13.6	3	10.5	10.6
Telecommunications media	3	19.1	20.9	46.0	7.3	4	11.5	12.0	1	15.6	9.0
Automotive	4	17.0	13.0	62.0	1.2	9	9.5	8.6	4	9.6	1.2
Health equipment	5	18.7	18.7	13.9	6.3	21	5.2	7.3	8	7.1	9.8
Health services	6	18.5	13.9	120.3	3.8	1	15.6	9.2	16	9	8.9
Health products	6	18.5	13.0	52.4	2.7	3	12.6	8.6	2	11.8	7.5
Health office services	8	15.3	14.5	24.5	4.0	12	7.6	14.2	6	8.8	5.2
Health products	9	15.1	14.6	51.3	3.1	20	5.3	6.0	8	7.1	12.9
Health and profits	10	15.0	15.5	41.9	7.8	2	13.7	5.4	7	7.6	12.0
Health and defense	11	14.9	12.3	28.1	3.9	23	4.7	5.4	14	6	-7.9
Utilities	12	14.3	14.5	93.5	13.1	10	8.4	-6	10	6.8	2.8
Communications	12	14.3	13.3	63.0	8.8	5	11.4	3.6	20	-3.0	3.0
Gas	14	14.0	11.3	81.9	4.8	14	7.5	-6.5	11	5.2	-6.5
Health products	15	12.7	13.8	41.7	4.4	26	3.9	7.4	17	-1.7	9.9
Health	16	12.6	14.6	17.2	5.8	6	11.1	16.3	12	3.4	46.2
Health and recreation	17	12.5	13.4	82.2	5.2	21	5.2	21.6	28	10.9	7.7
Health and electronics	18	12.2	6.3	20.5	3.0	7	10.9	1.8	22	-4.2	-35.3
Health	19	11.9	13.1	44.8	3.8	18	6.2	6.0	13	1.3	9.6
Health transportation	19	11.9	10.4	81.2	3.1	15	7.2	2.9	14	6	-10.4
Health	21	11.8	10.9	42.7	4.3	28	1.5	1.1	25	-10.2	1.1
Health services	21	11.8	9.0	60.1	2.9	27	2.3	-2.3	19	-2.3	-20.1
Health	23	11.5	10.1	36.7	2.9	17	6.5	3.0	21	3.6	-29.8
Health shoes and leather	24	11.3	6.7	35.5	2.8	19	5.5	-2.1	18	-2.0	30.6
Health	25	10.9	(*)	63.1	(*)	29	5	-15.4	28	-34.0	(ns)
Health	26	10.5	8.6	40.2	3.1	24	4.8	2.8	24	-5.1	-8.9
Health	27	10.4	10.4	63.5	4.6	16	7.1	3.9	22	-4.2	-7
Health	28	8.4	11.3	75.5	3.8	25	4.5	2.4	29	(ns)	-13.5
Health	29	6.1	2.3	83.6	.7	6	9.6	2.7	29	(ns)	-93.2
Health equipment	30	5.7	6.7	42.8	2.2	30	-2.9	1.0	27	-33.1	-37.8
Health	31	(*)	(*)	50.7	(*)	31	3.7	-3.0	29	(ns)	(ns)

Not significant. X Not applicable. <sup>1</sup> Represents net income divided by common shareholders' equity. Common shareholders' equity is total shareholders' equity including the stated value of all preferred stock at the beginning of each year less the involuntary liquidating value of non-convertible preferred shares. <sup>2</sup> Long-term debt, including capitalized leases, by total equity, including preferred equity. <sup>3</sup> Net income divided by net sales, including other operating income. <sup>4</sup> Net sales or other operating revenue. <sup>5</sup> Deficit.

Source: Forbes, Inc., New York, NY, *Forbes Annual Report on American Industry*. (Copyright.)

### 58. SMALL BUSINESS ADMINISTRATION LOANS TO ALL SMALL BUSINESSES: 1970 TO 1986

Calendar year ending in year shown; see text, section 9. A small business must be independently owned and operated, must be dominant in its particular industry, and must meet standards set by the Small Business Administration as to its annual sales or number of employees. Loans include both direct and guaranteed loans.

LOANS APPROVED	Unit	1970-1986	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All businesses	1,000	24.7	31.8	31.7	30.2	31.7	28.7	15.4	19.2	21.3	19.3	16.8
Owned businesses	1,000	5.4	6.2	6.1	5.5	6.0	5.2	2.5	2.7	3.1	2.8	2.0
of all businesses	Percent	22	19	19	18	19	18	16	14	15	14	12
Total loans	Mill. dol.	2,602	3,049	3,314	3,407	3,656	3,668	2,038	3,007	3,450	3,217	3,013
Minority-operated loans	Mill. dol.	315	352	402	428	470	454	239	286	383	324	285
of all loans	Percent	12	12	12	13	12	12	12	10	11	11	10

Source: U.S. Small Business Administration, unpublished data.

# NO. 868. U.S. PARENT COMPANIES AND THEIR FOREIGN AFFILIATES—ASSETS, SALES, EMPLOYMENT, EMPLOYEE COMPENSATION, U.S. EXPORTS AND IMPORTS: 1985

[In millions of dollars, except as indicated]

INDUSTRY <sup>1</sup>	U.S. PARENTS				FOREIGN AFFILIATES					
	Total assets	Sales	Employment (1,000)	Employee compensation	Total assets	Sales	Employment (1,000)	Employee compensation	U.S. exports shipped to foreign affiliates	U.S. imports shipped from foreign affiliates
All industries.....	3,463,875	2,881,114	18,074.7	552,887	537,888	888,832	5,435.5	182,318	68,441	78,188
Petroleum.....	544,825	440,875	1,000.7	38,819	183,388	281,037	234.9	9,811	2,470	15,238
Manufacturing.....	1,273,104	1,245,314	10,477.8	349,030	305,131	588,175	4,355.2	66,315	48,531	48,388
Food and kindred products.....	117,580	148,754	1,088.6	28,045	23,358	37,165	480.8	4,854	1,288	778
Chemical and allied products.....	188,424	172,785	1,288.0	41,247	87,483	73,111	581.9	8,505	5,805	2,884
Primary and fabricated metals.....	101,188	92,405	788.9	28,213	20,881	20,341	278.9	3,852	1,188	1,117
Machinery (except electrical).....	183,288	141,204	1,412.8	80,357	48,880	80,425	583.3	11,338	7,888	5,518
Electric and electronic equipment.....	157,340	148,881	1,588.0	51,875	27,475	33,807	884.5	8,003	8,348	7,332
Transportation equipment.....	324,218	317,282	2,188.4	88,431	80,315	98,507	928.5	18,527	22,778	25,888
Other.....	221,078	224,208	2,217.2	83,851	56,838	64,822	888.2	12,487	4,885	4,881
Wholesale trade.....	53,578	167,285	355.1	7,337	88,348	131,128	484.4	9,400	18,883	4,832
Finance (except banking), insurance, real estate.....	1,013,383	258,401	804.8	31,285	208,288	31,777	140.5	2,853	17	-
Services.....	78,832	85,885	1,177.0	23,072	20,848	18,613	308.4	5,384	222	24
Other industries.....	482,353	405,274	4,150.7	102,054	51,807	85,302	822.3	8,472	1,118	1,885

- Represents zero. <sup>1</sup> Represents industry of U.S. parent or industry of foreign affiliate.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987.

## NO. 870. CORPORATE PHILANTHROPY AS A PERCENT OF PRETAX NET INCOME: 1983 TO 1985

[Data are based on a sample of 1,200 corporations. Corporation must have given at least \$100,000]

INDUSTRY CLASS	1983	1984	1985	INDUSTRY CLASS	1983	1984	1985
All firms, average.....	.83	.83	.89	Manufacturing firms, average—Con.			
Manufacturing firms, average.....	.88	.88	1.08	Pharmaceuticals.....	1.18	1.30	1.23
Chemicals.....	1.29	1.03	1.31	Primary metal industries.....	2.84	1.34	.88
Electrical machinery and equipment.....	.84	.80	1.33	Printing and publishing.....	1.10	1.18	1.22
Fabricated metal products.....	.28	1.28	.84	Rubber, misc. plastic products.....	.88	.80	1.25
Food, beverage and tobacco.....	.88	1.10	1.10	Stone, clay and glass products.....	1.45	1.04	1.88
Machinery, non-electrical.....	1.09	.85	1.38	Textiles.....	1.28	2.88	4.97
Mining.....	.48	.88	1.88	Transportation equipment.....	.73	.88	.88
Paper and like products.....	1.88	1.15	1.23	Nonmanufacturing firms, average.....	.78	1.81	.88
Petroleum and gas.....	.84	.70	.78				

Source: Platzer, Linda Cardillo, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY. (Copyright.)

## NO. 871. PATENTS AND TRADEMARKS: 1981 TO 1986

[In thousands. Calendar year data. Covers patents issued to citizens of the United States and residents of foreign countries. For information on copyrights, see table 865. See also *Historical Statistics, Colonial Times to 1870*, series W 98-108]

ITEM	1981-1970	1971-1980	1978	1979	1980	1981	1982	1983	1984	1985	1986
Patent applications filed.....	867.8	1,881.5	108.3	108.8	113.8	114.5	118.4	112.4	128.5	127.1	128.8
Inventions.....	812.3	1,019.4	100.8	100.5	104.3	105.4	108.8	108.7	111.3	117.0	122.4
Designs.....	51.8	85.8	7.5	7.5	7.8	7.4	8.2	8.1	8.7	9.6	9.8
Botanical plants.....	1.2	1.7	.2	.2	.2	.2	.2	.3	.3	.2	.3
Releases.....	2.7	4.8	.7	.8	.8	.5	.4	.3	.3	.3	.3
Patents issued.....	618.3	731.8	75.5	82.4	88.2	71.8	68.2	82.8	72.7	77.2	77.8
Inventions.....	585.1	687.8	65.1	68.8	67.8	65.8	57.8	58.8	67.2	71.7	70.8
Individuals.....	143.3	152.0	14.3	9.3	13.3	14.1	11.8	10.5	12.3	12.8	13.8
Corporations: U.S.....	343.1	343.3	31.3	23.8	28.4	28.5	25.8	25.7	30.1	31.3	28.8
Foreign <sup>1</sup> .....	83.8	178.4	18.3	14.8	18.2	21.8	19.2	19.8	23.8	28.4	27.0
U.S. Government.....	14.8	18.1	1.2	.8	1.0	1.1	1.0	1.0	1.2	1.1	1.0
Designs.....	30.2	38.1	3.8	3.1	3.8	4.7	4.8	4.8	4.8	5.1	5.8
Botanical plants.....	1.0	1.6	.2	.1	.1	.2	.2	.2	.2	.2	.2
Releases.....	2.1	3.4	.4	.3	.3	.4	.3	.4	.3	.3	.3
Published applications <sup>2</sup> .....	.8	1.3	.1	.1	(2)	.1	(2)	(2)	(2)	(2)	.2
Foreign country residents <sup>3</sup> .....	124.3	237.3	25.1	18.2	24.7	25.5	24.0	25.4	30.5	33.8	34.8
Certificates of trademarks issued.....	288.1	308.8	35.1	35.8	34.7	48.8	48.4	48.8	54.8	71.7	84.8
Trademarks.....	188.1	250.8	28.8	20.5	18.8	42.7	42.4	40.5	48.8	65.8	68.4
Trademark renewals.....	38.0	58.4	5.5	5.4	5.8	5.8	8.0	6.2	5.4	5.8	5.1

Z Less than 50. <sup>1</sup> Includes patents to foreign governments. <sup>2</sup> Abstracts of technical disclosure of patent published at request of applicant or owner. The practice called "Defensive Publications" began Nov. 1986 and ended July 1988. The current practice, called "Statutory Invention Registrations," began May 1988. <sup>3</sup> Includes patent inventions and patents for designs, botanical plants and releases. Beginning 1980, also includes published applications.

Source: U.S. Patent and Trademark Office. Fiscal-year figures are published in the *Compendium of Patents and Trademarks Annual Report*.



## Section 18

# Communications

This section presents statistics on the usage, finances, and operations of the Postal Service and the various communications media: Telephone, telegraph, radio, television, newspapers and periodicals. Expenditures data for advertising in the media are also included.

**Postal Service.**—The Postal Service provides mail processing and delivery services within the United States. The Postal Reorganization Act of 1970 created the Postal Service, effective July 1, as an independent establishment of the Federal Executive Branch; it also placed restrictions on the private delivery of mail.

**Revenue and cost analysis** is the term used by the Postal Service to describe its system of allocating revenues and costs to classes of mail and service. This system draws primarily upon probability sampling techniques to develop estimates of revenues, volumes, and weights, as well as costs by class of mail and special service. The costs attributed to classes of mail and special service are primarily incremental costs which vary in response to changes in volume; they account for fully 80 percent of the total costs of the Postal Service. The balance represents "institutional costs" which includes funds for research and development, portions of personnel and office supplies, etc. Statistics on revenues, volume of mail, and distribution of expenditures are presented in the Postal Service's annual report, *Revenue and Cost Analysis*, and its *Annual Report of the Postmaster General*.

**Communication media.**—The Federal Communications Commission (FCC), established in 1934, issues wire and radio communications licenses and licenses radio and television stations. Only the large carriers and controlling companies file annual or monthly financial reports. Jurisdiction of the FCC applies to domestic and overseas telegraph carriers and to the Communications Satellite Corporation (Comsat), but not to a large number of telephone carriers that are engaged in intrastate service. The gross operating revenues of the telephone carriers reporting annually to the FCC, however, are estimated to cover about 90 percent of the revenues of all U.S. telephone companies. Reports filed by the broadcasting industry cover substantially all radio and television stations operating in the United States and its outlying areas. Statistics covering the private radio services represent the largest and most diverse group of licensees regulated by the FCC. These services primarily provide two-way radio communication for emergency and business purposes in the aviation, marine, land transportation, and other industries; police, fire, and other public safety programs; and fleet and personal operations. Principal sources of wire, radio, and television data are the FCC's *Annual Report*, and its annual *Statistics of Communications Common Carriers*.

Statistics on the printed media are available from the U.S. Bureau of the Census, as well as from various private agencies. The censuses of manufactures (conducted by the Census Bureau every 5 years, for the years ending in "2" and "7") provide statistics on the number and circulation of newspapers and periodicals and on sales of books and pamphlets. Editor & Publisher Co., Inc., New York, presents annual data on the number and circulation of daily and Sunday newspapers in its *National Year Book*. Monthly data on new books and new editions appear in *Publishers Weekly*, issued by R. R. Bowker Company, New York. (See table 366 for annual data.)

**Advertising.**—The statistics on advertising expenditures are compiled primarily by private organizations. McCann-Erickson, Inc., which compiles certain of the data shown (see tables 806-808), defines national advertising as the advertising done for companies whose products are distributed nationally, and for which national media rates are paid. Local advertising is defined as the advertising done for companies which market their products locally and which may pay special "local" media rates. Spot advertising is considered time bought by a national advertiser on a selective basis. Monthly index figures of advertising in certain media are also published periodically by McCann-Erickson in *Advertising Age*.

The Broadcast Advertisers Reports (see tables 800-802) distinguished between spot and local advertising primarily on the basis of the type of advertiser to whom the time is sold, rather than how by whom it is sold. In general, time purchased on behalf of retail or service establishments in



the market is considered local, even though the establishments may be part of a national or regional chain. That is, spot advertising promotes a product, while local advertising promotes a given establishment. Network advertising, mutually exclusive of spot and local, is broadcast through the network system.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

No. 872. U.S. POSTAL SERVICE—SUMMARY: 1900 TO 1986

[For fiscal years; see text section 9. Includes Puerto Rico and all outlying areas except Canal Zone. See text section 18. See also *Historical Statistics, Colonial Times to 1970*, series R 163- 171]

YEAR	Number of Post Offices	FINANCES <sup>1</sup>			Revenue per capita <sup>2</sup> (dol.)	Sales of stamps and stamped paper (mil. dol.)	Postage paid under permit and meter (mil. dol.)	Money orders issued, total (mil. dol.)	PIECES OF MAIL HANDLED (est.)			
		Revenues (mil. dol.)	Expenditures <sup>3</sup> (mil. dol.)	Deficit (mil. dol.)					Total <sup>4</sup> (bil.)	First-class <sup>5</sup>		Second-class <sup>6</sup> (bil.)
										Number (bil.)	Per-cent	
1900.....	76,688	102	108	5	1.34	94	( <sup>7</sup> )	256	7.1	(NA)	(NA)	(NA)
1910.....	59,580	224	230	6	2.43	202	4	636	14.9	(NA)	(NA)	(NA)
1920.....	52,641	437	454	17	4.11	380	13	1,356	(NA)	(NA)	(NA)	(NA)
1930.....	49,063	705	804	98	5.75	575	74	1,767	27.9	16.9	60.6	5.0
1940.....	44,024	767	806	41	5.84	522	177	2,108	27.7	15.2	54.9	4.6
1950.....	41,464	1,677	2,223	545	11.14	862	678	<sup>8</sup> 5,136	45.1	24.5	54.3	6.3
1955.....	38,318	2,349	2,712	363	14.33	899	1,136	5,883	55.2	28.7	52.0	6.7
1960.....	35,238	3,277	3,874	597	18.27	1,245	1,699	5,058	63.7	33.2	52.1	7.5
1965.....	33,624	4,463	5,276	793	23.17	1,528	2,529	4,540	71.9	38.1	53.0	8.6
1970.....	32,002	7,702	7,867	165	31.05	1,936	3,883	4,709	84.9	48.6	57.2	9.4
1971.....	31,947	8,751	8,955	204	32.24	1,999	4,126	4,728	87.0	50.0	57.5	8.6
1972.....	31,688	9,347	9,522	175	37.69	2,371	4,861	4,731	87.2	48.9	58.1	9.5
1973.....	31,385	9,913	9,926	13	39.77	2,399	5,141	4,700	89.7	51.0	58.9	9.9
1974.....	31,000	10,857	11,295	438	42.85	2,504	5,623	5,194	90.1	51.8	57.3	8.6
1975.....	30,754	11,590	12,578	986	47.08	2,819	6,241	5,856	89.3	51.4	57.6	9.1
1976.....	30,521	12,747	13,923	1,176	52.21	3,155	6,863	6,243	89.3	52.1	58.0	8.9
1976,TQ <sup>9</sup> .....	30,521	3,402	3,367	<sup>10</sup> 15	14.11	815	1,895	1,639	21.5	12.5	58.1	2.1
1977.....	30,521	14,622	15,310	688	60.18	3,658	7,951	5,636	92.2	63.7	58.2	8.7
1978.....	30,518	15,841	16,220	379	64.91	3,943	8,866	5,587	96.9	56.0	57.8	8.7
1979.....	30,449	17,999	17,529	<sup>10</sup> 470	73.37	4,382	10,062	5,631	99.8	58.0	58.1	8.4
1980.....	30,328	19,105	19,412	306	77.32	4,287	10,828	6,112	106.3	60.3	58.7	8.4
1981.....	30,242	20,781	21,389	588	83.62	4,625	11,891	8,692	110.1	61.5	55.8	10.0
1982.....	30,155	23,828	22,826	<sup>10</sup> 802	97.83	5,559	13,984	6,920	114.0	62.3	54.5	9.5
1983.....	29,990	24,699	24,063	<sup>10</sup> 616	101.08	5,709	14,755	7,355	119.4	64.3	53.8	9.2
1984.....	29,750	26,474	26,357	<sup>10</sup> 117	107.77	6,023	16,067	8,121	131.5	66.4	52.0	9.5
1985.....	29,557	28,956	29,207	251	116.60	6,520	17,747	9,036	140.1	72.4	51.7	10.4
1986.....	29,344	31,021	30,716	<sup>10</sup> 305	125.48	6,999	19,294	10,667	147.4	76.2	51.7	10.6

NA Not available. <sup>1</sup> After allowance for reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets. Through 1950, includes some payments and receipts applicable to services in prior years; beginning 1955, expenditures are shown in year in which obligation was incurred, and revenues in year which gave rise to the earnings, whether collected or accrued. In 1954, the Postal Service began receiving reimbursement for penalty and franked mail, and discontinued payment of subsidies to airlines. Revenues for 1960 include \$37.4 million reimbursement from the Treasury General Fund for statutory public services. These and other changes affect comparability of figures. See also footnote 2, table 873. <sup>2</sup> Includes capital expenditures for plant and equipment and cost of materials and supplies, but no provision for depreciation. Also includes costs of certain services rendered to other agencies without reimbursement but excludes costs of certain services rendered to the Postal Service by other agencies. Beginning 1955, represents obligations incurred; beginning 1965, represents accrued expenses, including depreciation on fixed assets, reimbursable work for others, and expenses paid by certain other agencies without reimbursement by the Postal Service. <sup>3</sup> Operating revenue only; based on Bureau of the Census estimated total population as of Jan. 1, including Armed Forces abroad. <sup>4</sup> Includes other classes of mail not shown separately. See table 875. <sup>5</sup> Items mailed at 1st-class rates and weighing 12 ounces or less. Beginning 1977, includes air mail which was discontinued as a separate class of mail. Includes items wholly or partially in writing or typewriting, cards or bills and statements of account, items closed against postal inspection, etc. <sup>6</sup> Includes mail paid at other than bulk rates. See footnote 7, table 873. <sup>7</sup> Service not inaugurated. <sup>8</sup> Includes postal notes issued under act of Congress. <sup>9</sup> Transition quarter, July-Sept. <sup>10</sup> Net income.

Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

## NO. 873. U.S. POSTAL SERVICE REVENUES: 1970 TO 1986

[In millions of dollars, except percent. For fiscal years; see text, section 9. Includes Puerto Rico and all outlying areas except Canal Zone. See text, section 18]

ITEM	1970	1975	1975	1970	1986	1981	1982	1982	1984	1986	1986
<b>Total revenue <sup>1</sup></b>	<b>7,702</b>	<b>11,889</b>	<b>15,841</b>	<b>17,889</b>	<b>19,108</b>	<b>20,781</b>	<b>23,828</b>	<b>24,699</b>	<b>26,474</b>	<b>28,956</b>	<b>31,021</b>
<b>SOURCE</b>											
Operating postal revenue <sup>2</sup>	6,347	10,015	14,133	16,106	17,143	19,133	22,600	23,582	25,314	27,736	30,102
Stamps, postal cards, etc	1,836	2,819	3,943	4,382	4,267	4,625	5,559	5,709	6,023	6,520	6,960
Second-class postage paid in money (pound rates) <sup>3</sup>	192	284	551	755	861	911	996	991	1,056	1,339	1,271
Other postage paid under permit and meter	3,863	6,241	8,866	10,062	10,828	11,891	13,984	14,755	16,067	17,747	19,294
Box rents	44	67	124	153	180	168	168	202	168	230	259
Miscellaneous	236	556	758	663	692	1,427	1,771	1,801	1,847	1,774	2,174
Money-order revenues	58	53	89	91	95	111	122	124	132	126	135
Government appropriations	1,355	1,533	1,722	1,720	1,610	1,275	707	789	879	970	716
Percent of total revenue	17.6	13.2	10.9	9.6	8.4	6.1	3.0	3.2	3.3	3.3	2.3
Investment income, net	-	37	-14	173	353	373	321	328	282	250	203
<b>MAIL AND SERVICE</b>											
First-class mail <sup>4</sup>	3,291	5,798	8,575	9,733	10,148	11,457	13,747	14,255	15,216	16,740	18,035
Priority mail <sup>5</sup>	282	411	497	581	612	758	623	849	926	960	1,011
Second-class publishers' mail <sup>7</sup>	190	277	539	739	864	965	951	958	1,025	1,093	1,222
Third-class mail <sup>8</sup>	827	1,348	1,967	2,216	2,412	2,643	3,303	3,677	4,241	4,887	5,806
Bulk rate	(NA)	1,167	1,745	1,967	2,168	2,406	3,092	3,482	4,039	4,897	5,414
Single piece rate and fees	(NA)	181	242	249	244	236	211	196	202	190	193
Fourth-class mail <sup>9</sup>	778	718	673	747	805	786	786	753	774	763	814
Zone rate mail (parcels, catalogs, etc.)	(NA)	577	460	454	500	499	507	500	519	524	550
Special fourth-class rate	(NA)	130	187	237	272	251	237	206	210	199	213
Library rate and fees	(NA)	11	27	27	33	36	44	47	45	40	51
Government mail <sup>10</sup>	199	464	626	876	745	761	918	913	901	934	992
International mail <sup>11</sup>	270	390	499	550	596	735	862	874	859	862	934
Special services	236	251	439	506	518	823	823	866	888	918	979
Express mail	(X)	(X)	89	134	184	270	339	422	490	544	491
Mailgrams	(X)	(X)	11	15	15	16	16	14	13	15	17
Other <sup>12</sup>	1,629	1,913	1,905	2,120	2,205	1,647	1,028	1,118	1,159	1,220	919

- Represents zero. NA Not available. X Not applicable. <sup>1</sup> Net revenue after refunds of postage. Includes operating reimbursements. <sup>2</sup> The U.S. Postal Service was established July 1, 1971. Revenues for 1970 are those of the Post Office Department. Revenues for 1970 have been restated to be consistent with subsequent years. See also footnote 1, table 872. <sup>3</sup> Includes controlled circulation publications. <sup>4</sup> Interest expense on loans exceeded interest income received from investments. <sup>5</sup> See footnote 5, table 872. <sup>6</sup> Items otherwise qualified as 1st-class or airmail that exceed 12 ounces and 8 ounces, respectively. <sup>7</sup> Includes mail paid at other than bulk rates. Publishers' mail includes printed publications periodically issued and mailed at a known post office to paid subscribers. These include regular rate newspapers and magazines, and classroom and nonprofit rate publications. Outside-the-county publications are those mailed to destinations outside the county of publication. In addition, includes publications of at least 24 pages and containing at least 25 percent nonadvertising content issued quarterly or more frequently for mainly free distribution. This latter group, formerly known as "controlled circulation publications" was discontinued as a separate class of mail in March 1982. <sup>8</sup> Items less than 16 ounces in weight not mailed at either 1st- or 2d-class rates. <sup>9</sup> Items not mailed at 1st-, 2d-, or 3d-class rates, except government and international mail. May include parcel post, catalogs weighing 16 ounces or more, books, films, and records. <sup>10</sup> Penalty and franked mail. <sup>11</sup> Mail from U.S. to foreign countries paid at international mail rates. <sup>12</sup> Consists of unassignable revenues; 1970 and 1975 include domestic airmail.

Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

## NO. 874. U.S. POSTAL SERVICE EMPLOYEES, BY TYPE: 1970 TO 1986

[In thousands, except as indicated. For fiscal years; see text, section 9. Includes Puerto Rico, and all outlying areas except Canal Zone. See *Historical Statistics, Colonial Times to 1970*, series R 187, for total employees]

ITEM	1970	1975	1975	1986	1981	1982	1986	1984	1986	1986
<b>Total employees</b>	<b>741</b>	<b>702</b>	<b>663</b>	<b>667</b>	<b>670</b>	<b>675</b>	<b>679</b>	<b>702</b>	<b>744</b>	<b>786</b>
Regular	549	559	534	536	544	547	547	561	586	606
Postmasters	30	30	28	29	29	29	28	28	28	27
Office supervisors and tech. personnel	37	37	36	38	37	38	39	45	46	49
Office clerks and mail handlers <sup>1</sup>	243	239	230	229	232	232	229	235	249	260
City carriers and vehicle drivers	165	167	160	160	164	165	166	171	179	187
Rural carriers	31	31	32	33	33	34	34	35	35	36
Other	42	55	46	49	49	49	51	47	46	47
Substitute (part-time)	193	143	129	130	126	126	132	141	159	179
Compensation and employee benefits (mil. dol.)	6,462	10,805	15,162	16,541	18,018	19,094	20,070	22,157	24,349	25,576
Avg. salary per employee (dol.) <sup>2</sup>	8,721	15,392	22,869	24,799	26,893	28,283	29,585	31,562	32,727	32,581
Pieces of mail per employee, average	115	127	151	159	164	169	176	187	188	179

<sup>1</sup> Includes mobile unit employees. <sup>2</sup> Includes fringe benefits.

Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 875. U.S. POSTAL SERVICE—VOLUME OF MAIL, BY CLASS: 1970 TO 1986

[In millions, except per capita. For fiscal years; see text section 9. Includes Puerto Rico and all outlying areas except Canal Zone. For definition of classes of mail, see footnotes, table 901. See also *Historical Statistics, Colonial Times to 1970*, series R 172-186]

CLASS OF MAIL	PIECES OF MAIL					WEIGHT OF MAIL (lb.)				
	1970	1975	1986	1980	1980	1970	1975	1980	1986	1986
Total.....	84,882	88,288	108,911	140,088	147,376	13,281	12,025	12,988	16,783	17,182
Domestic.....	83,936	88,334	106,348	139,269	148,578	13,055	11,824	12,742	16,584	16,834
1st class and airmail <sup>1</sup> .....	50,174	52,482	80,332	72,517	76,252	1,638	1,748	2,213	2,807	2,937
Priority mail.....	165	207	248	306	330	371	440	591	672	704
2d class <sup>2</sup> .....	9,914	9,713	10,221	10,380	10,588	3,641	3,024	3,478	3,988	3,972
3d class.....	19,974	21,867	30,381	52,170	55,049	2,032	2,283	3,240	6,453	6,544
4th class.....	977	801	633	578	802	4,786	3,754	2,681	2,156	2,254
Penalty.....	2,544	2,928	2,992	2,688	2,970	540	527	503	470	489
Franked and free for blind.....	218	336	540	710	787	49	50	58	40	54
International.....	895	932	983	829	798	226	201	216	219	218
Per capita: <sup>3</sup>										
Total, all domestic mail <sup>4</sup> .....	411	411	454	585	611	64	55	58	70	71
1st class and airmail.....	245	244	288	304	318	8	8	10	12	12
2d class <sup>2</sup> .....	49	45	45	44	44	18	14	15	17	17
3d class.....	98	102	134	219	229	10	11	14	27	27
4th class.....	5	4	3	2	3	23	17	12	9	9

<sup>1</sup> Beginning 1960, includes express mail established as a class of mail on October 9, 1977, and mailgrams. <sup>2</sup> See footnote 7, table 873. <sup>3</sup> 1970 and 1980, based on April 1 population, including Armed Forces abroad; otherwise, based on estimated total population as of Jan. 1, including Armed Forces abroad. <sup>4</sup> Includes types of mail not shown separately.

Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 876. U.S. POSTAL SERVICE RATES FOR LETTERS AND POST CARDS: 1958 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series R 188-191]

DATE OF RATE CHANGE	SURFACE MAIL				Do- mestic airmail let- ters <sup>1</sup>	DATE OF RATE CHANGE	SURFACE MAIL				Do- mestic airmail letters	Ex- press mail <sup>2</sup>
	Letters			Postal and post cards			Letters			Postal and post cards		
	Each ounce	First ounce	Each added ounce				Each ounce	First ounce	Each added ounce			
1958 (Aug. 1).....	4¢	(x)	(x)	3¢	7¢	1976 (Dec. 31)...	<sup>3</sup> (x)	<sup>3</sup> 13¢	<sup>3</sup> 11¢	<sup>3</sup> 9¢	( <sup>4</sup> )	( <sup>5</sup> )
1963 (Jan. 7).....	5¢	(x)	(x)	4¢	8¢	1976 (May 29)....	(x)	15¢	13¢	10¢	( <sup>4</sup> )	( <sup>5</sup> )
1966 (Jan. 7).....	8¢	(x)	(x)	5¢	10¢	1981 (Mar. 22)...	(x)	18¢	17¢	12¢	( <sup>4</sup> )	( <sup>5</sup> )
1971 (May 16)....	8¢	(x)	(x)	6¢	11¢	1981 (Nov. 1).....	(x)	20¢	17¢	13¢	( <sup>4</sup> )	\$8.35
1974 (Mar. 2).....	10¢	(x)	(x)	8¢	13¢	1985 (Feb.17).....	(x)	22¢	17¢	14¢	( <sup>4</sup> )	\$10.75
1975 (Sept. 14)..	(x)	10¢	9¢	7¢	(x)	In effect, Oct. 1987.....	(x)	22¢	17¢	14¢	( <sup>4</sup> )	\$10.75

X Not applicable. <sup>1</sup> Each ounce, except as noted. <sup>2</sup> Post Office to addressee rates. Rates shown are for weights up to 2 pounds, all zones. Beginning Feb. 17, 1985, for weights between 2 and 5 lbs, \$12.85 is charged. Prior to Nov. 1, 1981, rate varied by weight and distances. Over 5 pounds still varies by distance. <sup>3</sup> As of October 11, 1975, surface mail service upgraded to level of airmail. <sup>4</sup> 17¢ for first ounce; 15¢ for each added ounce. <sup>5</sup> As of May 1, 1977, domestic airmail service, as a separate class of mail, was discontinued.

Source: U.S. Postal Service, "United States Domestic Postage Rates: Recent History," and unpublished data.

No. 877. INTERNATIONAL AIR MAIL RATES FROM THE U.S.: 1961 TO 1987

[Excludes Canada and Mexico]

DATE OF RATE CHANGE	ZONE 1 <sup>1</sup>		ZONE 2 <sup>2</sup>		ZONE 3 <sup>3</sup>		Postal and post cards	Aero- grams
	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce		
July 1, 1961.....	.13	.13	.15	.15	.25	.25	.11	.11
May 1, 1967.....	.15	.15	.20	.20	.25	.25	.13	.13
July 1, 1971.....	.17	.17	.21	.21	.21	.21	.13	.13
Mar. 2, 1974.....	.21	.17	.26	.21	.26	.21	.18	.16
Jan. 3, 1976.....	.25	.21	.31	.26	.31	.26	.21	.22
Jan. 1, 1981.....	.35	<sup>4</sup> .30	.40	<sup>5</sup> .35	.40	<sup>5</sup> .35	.28	.30
Feb. 17, 1985.....	.39	<sup>6</sup> .33	.44	<sup>7</sup> .39	.44	<sup>7</sup> .39	.33	.36
In effect, Oct. 1987.....	.39	<sup>6</sup> .33	.44	<sup>7</sup> .39	.44	<sup>7</sup> .39	.33	.39

<sup>1</sup> Caribbean, Central and South America. The airmail letter rate to South America, 1961 to 1967, was the same as that to Europe. Beginning January 3, 1976, the airmail letter rate to all South American countries except Colombia and Venezuela is the same as Europe; Colombia and Venezuela are included in the first zone. <sup>2</sup> Europe and Mediterranean Africa. <sup>3</sup> Rest of world. <sup>4</sup> Up to 32 oz.; 30 cents per additional ounce over 32. <sup>5</sup> Up to 32 oz.; 35 cents per additional ounce over 32. <sup>6</sup> Up to 32 oz.; 33 cents per additional ounce over 32. <sup>7</sup> Up to 32 oz.; 39 cents per additional ounce over 32.

Source: U.S. Postal Service, unpublished data.

## No. 878. UTILIZATION OF SELECTED MEDIA: 1950 TO 1987

ITEM	Unit	1950	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987
is with—												
no service <sup>1</sup>	Percent	(NA)	76.5	87.0	(NA)	93.0	(NA)	(NA)	91.8	91.8	92.2	92.5
ids <sup>2</sup>	Percent	92.8	96.3	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
ge number of sets	Number	2.1	3.7	5.1	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4
in sets <sup>3</sup>	Millions	3.9	45.8	58.5	68.5	76.3	81.5	83.3	83.8	84.9	85.9	87.4
vision sets <sup>4</sup>	Percent	8	87	95	97	98	98	98	98	98	98	98
est households <sup>5</sup>	Millions	—	.3	20.9	46.8	63.4	71.4	73.9	75.8	77.7	80.1	82.7
ge viewing per day <sup>6</sup>	Hours	4.6	5.1	5.9	6.1	6.6	6.8	7.0	7.1	7.1	(NA)	7.2
ge number of sets <sup>7</sup>	Number	1.01	1.13	1.39	1.54	1.68	1.75	1.79	1.79	1.83	1.83	1.86
<sup>8</sup>	Percent	(NA)	(NA)	(NA)	(NA)	19.8	28.0	31.2	41.2	44.8	46.8	48.7
	Percent	(NA)	(NA)	(NA)	(NA)	1.1	3.1	5.5	10.6	20.8	36.0	48.7
N radio stations: <sup>9</sup>												
	Number	2,232	3,539	4,323	4,463	4,588	4,668	4,733	4,754	* 4,718	4,863	(NA)
	Number	676	815	2,196	2,787	3,282	3,380	3,527	3,716	* 3,875	3,944	(NA)
stations: <sup>10</sup> Total	Number	98	589	862	953	1,011	1,065	1,108	1,138	1,182	1,235	1,290
cial	Number	(NA)	515	677	706	734	777	813	841	883	919	968
vision: <sup>11</sup>												
	Number	1,970	640	2,490	3,506	4,225	4,825	5,800	6,200	6,844	7,600	7,900
ers served: <sup>12</sup>	Millions	14.01	—	4.5	9.8	15.5	21.0	25.0	30.0	31.3	37.5	39.7
paper circulation: <sup>13</sup>												
	Millions	53.8	56.9	62.1	60.7	62.2	62.5	62.6	63.1	62.8	62.7	(NA)
ts: <sup>14</sup>	Number	354	327	306	—	275	269	267	267	263	263	(NA)

asents zero. NA Not available. <sup>1</sup> For occupied housing units. 1950 through 1980, as of April 1, thereafter, as of  
 1987. U.S. Bureau of the Census, *Census of Housing: 1980, 1970, and 1960*, vol. 1, and unpublished data. <sup>2</sup> As of  
 1987. Source: Radio Advertising Bureau, New York, NY, *Radio Facts*, annual (copyright). Number of stations  
 compiled from Federal Communications Commission reports. <sup>3</sup> 1970-1975, as of Sept. of prior year; all other years  
 of year shown. Source: 1950-1985, National Broadcasting Company, New York, NY, thereafter A.C. Nielsen Company,  
 IL, *Nielsen Report on Television* (copyright). <sup>4</sup> Calendar year data. Source: A.C. Nielsen Company, Northbrook, IL,  
*Sport on Television* (copyright). <sup>5</sup> 1970 and 1975, as of Sept. all other years, as of Jan. Excludes Alaska and Hawaii.  
 television Bureau of Advertising, Inc. New York, NY, "Trends in Television 1950 to Date" March 1986. <sup>6</sup> As of  
 Source: See footnote 4. <sup>7</sup> As of February. Excludes Alaska and Hawaii. Source: A.C. Nielsen Company, Northbrook,  
*Trends* (copyright). <sup>8</sup> As of February 1986. <sup>9</sup> As of Jan. 1. Source: Television Digest, Inc., Washington, DC,  
*and Cable Factbook*, annual (copyright). Number of television stations on the air. <sup>10</sup> Data for 1952. <sup>11</sup> As of Sept.  
 1950 and 1980, as of Oct. 1. Source: Editor & Publisher, Inc., New York, NY, *Editor & Publisher International Year*  
*book* (copyright). <sup>12</sup> Per capita based on total resident population enumerated as of April 1, 1970 and 1980, and  
 as of July 1 for other years.

Compiled from sources listed in footnotes.

## No. 879. MULTIMEDIA AUDIENCES—SUMMARY: 1983 AND 1987

ent, except as indicated. As of spring. For persons 18 years old and over. Based on sample and subject to sampling  
 error; see source for details.

ITEM	Total population (1,000)	TELEVISION WATCHERS		RADIO LISTENERS				NEWSPAPER READERS	
		Cable	Pay	Week- day	Week- and	Relig- ious	News/ talk	Daily	Sun- day
3	164,862	30.4	19.0	81.5	69.2	(NA)	(NA)	61.5	64.7
1987	172,967	48.2	27.2	88.8	88.8	2.7	7.8	80.1	83.8
rs old	27,408	48.3	32.2	92.3	83.5	3.0	3.9	NA	58.8
rs old	41,340	48.7	31.8	88.6	72.5	2.9	5.2	54.4	60.4
rs old	31,803	49.8	32.6	83.7	64.5	3.0	7.0	62.0	66.7
rs old	22,672	54.0	30.8	81.3	62.5	3.5	8.6	66.1	70.7
rs old	22,564	47.6	21.3	70.9	60.0	2.1	11.1	68.0	66.1
old and over	27,170	41.2	10.3	80.1	53.2	1.8	10.6	65.6	61.6
	82,458	46.9	28.3	83.6	68.5	2.5	8.4	62.4	64.6
	90,499	47.6	—	77.8	65.2	3.0	6.8	56.1	63.0
	150,344	50.3	28.1	81.1	66.5	2.6	7.7	61.7	64.9
	19,089	33.3	—	77.1	69.4	4.9	6.6	51.1	58.8
	3,524	38.2	21.9	76.4	64.6	2.6	5.2	42.3	44.4
peaking	8,373	38.8	24.2	88.4	70.5	3.7	7.5	50.0	62.9
graduate	30,178	53.5	31.7	84.8	—	2.6	10.8	71.9	78.0
college	31,384	55.8	33.3	86.5	70.2	3.0	8.1	66.2	72.1
of graduate	67,358	48.0	26.5	82.7	69.5	2.8	7.0	59.7	64.2
school graduate	44,038	39.5	17.7	70.1	60.8	2.7	5.8	—	47.7
Full-time	96,802	51.4	32.7	87.3	70.2	2.7	7.5	60.9	66.3
Part-time	11,463	52.8	32.7	85.2	70.2	4.9	5.7	59.9	69.3
yed	65,882	42.8	18.1	70.0	61.3	—	8.0	59.0	58.4
Income:									
in \$10,000	16,587	31.8	—	85.9	61.8	2.7	5.9	43.1	44.4
to \$19,999	30,529	37.3	14.7	75.4	65.3	2.7	6.6	—	50.6
to \$29,999	32,636	47.5	25.4	80.3	67.9	3.3	6.1	58.1	59.6
to \$39,999	16,414	49.3	29.2	83.0	69.4	3.4	7.7	63.2	65.3
to \$49,999	14,270	54.1	33.8	81.9	63.2	2.9	8.7	63.7	68.0
to \$59,999	24,295	53.9	33.6	86.5	68.2	2.9	8.2	67.3	75.0
or more	38,223	60.2	40.3	87.1	68.0	—	9.6	72.5	79.6

It available.

Mediamark Research Inc., New York, NY, *Multimedia Audiences*, Spring 1987. (Copyright.)

## No. 880. COMMUNICATIONS EQUIPMENT—FACTORY SHIPMENTS: 1960 TO 1985

[In millions of dollars, except percent change. Minus sign (—) indicates decrease. N.e.c. = Not elsewhere classified]

ITEM	1960	1961	1962	1963	1964	1965	PERCENT CHANGE				
							1960-61	1961-62	1962-63	1963-64	1964-65
Shipments, total .....	19,625	23,786	27,792	30,276	33,513	37,216	21.3	16.4	10.7	10.2	10.1
Search, detection, navigation and guidance systems and equip. <sup>1</sup> .....	12,139	15,040	17,733	19,982	21,973	24,200	23.8	17.9	12.7	10.0	10.1
Radar systems and equipment .....	1,619	1,900	2,442	3,344	3,369	3,400	17.4	26.5	36.9	.4	1.2
Missile-borne and space-vehicle-borne equipment .....	1,218	1,583	1,867	1,856	2,851	3,000	30.0	17.9	— .8	42.8	13.2
Navigation systems and equip. <sup>2</sup> .....	2,151	2,578	2,889	2,712	2,708	2,780	19.9	4.3	.9	— .2	2.0
Counter measures equipment .....	754	1,004	1,284	1,598	1,956	2,400	33.2	27.9	24.3	22.7	22.8
Tracking radar .....	1,135	1,702	1,779	2,086	2,163	2,290	50.0	4.8	17.4	3.6	4.6
Search, detection, identification, and tracking system n.e.c. ....	814	893	1,049	1,169	1,481	1,800	9.7	17.4	13.5	22.6	23.2
Sonar search, detection and tracking systems and equipment .....	900	976	1,198	1,374	1,579	1,600	22.3	18.2	18.9	14.9	14.0
Specialized electronic and comm. intelligence equipment .....	645	1,051	1,348	1,349	1,580	1,750	24.4	26.1	.2	17.1	10.8
Commercial, industrial, and military communications equipment <sup>3</sup> .....	5,108	5,722	6,654	7,894	8,798	9,765	12.1	19.8	12.3	14.3	11.6
Space satellite communications systems .....	688	1,095	1,614	1,760	2,036	2,280	21.9	47.4	9.0	16.7	11.9
Receivers, radio communications .....	782	1,086	1,280	1,391	1,565	1,700	38.9	18.8	7.3	12.5	8.6
Intercommunications systems <sup>4</sup> .....	1,193	1,566	1,572	1,537	1,593	1,700	32.9	— .9	— 2.2	3.6	6.7
Broadcast studio and related electronic equipment <sup>4</sup> .....	1,187	1,447	1,544	1,544	1,449	1,550	21.9	6.7	— 5.2	— 1.0	7.0

<sup>1</sup> Includes shipments not shown separately. <sup>2</sup> For aircraft, ship, and ground navigation. Represents autopilots, beacons, collision warning devices, direction finders equipment, etc. <sup>3</sup> Includes alarm systems and traffic control shipment. <sup>4</sup> Includes video, cable TV, and audio equipment.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

## No. 881. TELEPHONE AND TELEGRAPH SYSTEMS: 1960 TO 1985

[Covers principal carriers filing annual reports with Federal Communications Commission. See *Historical Statistics, Colonial Times to 1970*, series R 48-70 and R 75-88, for data on telegraph systems]

ITEM	Unit	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985
<b>Domestic telephone:</b> <sup>1</sup>											
Carriers <sup>2</sup> .....	Number	52	56	62	61	59	60	61	62	61	39
Telephones <sup>3</sup> .....	Million	66	105	130	153	157	158	151	(NA)	(NA)	(NA)
Access lines .....	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	100	103
Miles of wire .....	Million	316	628	872	1,061	1,131	1,188	1,223	1,260	1,290	1,313
Gross book cost of plant .....	Bl. dol.	25.7	59.9	95.5	134.9	147.4	161.5	174.0	184.2	183.0	195.1
Depreciation reserves <sup>4</sup> .....	Bl. dol.	5.8	13.2	18.8	24.9	26.5	30.0	34.0	39.7	42.9	50.0
Ratio to book cost .....	Percent	21.7	22.1	19.7	18.5	18.0	18.6	19.6	21.5	23.5	25.6
Capital stock and premium .....	Bl. dol.	10.7	16.4	21.6	28.8	31.3	34.5	38.9	43.4	45.9	48.1
Operating revenues .....	Bl. dol.	8.4	18.2	31.3	49.8	55.6	63.7	70.7	75.0	98.9	104.8
Operating expenses <sup>5</sup> .....	Bl. dol.	5.0	11.7	20.2	33.0	37.3	42.8	49.1	50.9	74.7	78.8
Net operating income <sup>6</sup> .....	Bl. dol.	1.4	3.1	5.6	8.9	10.0	11.4	11.4	12.4	12.4	13.4
Net income .....	Bl. dol.	1.3	2.3	3.8	6.0	6.6	7.5	7.3	7.6	8.5	9.5
Employees .....	1,000	627	839	840	926	936	945	909	958	742	(NA)
Compensation of employees .....	Bl. dol.	3.4	7.0	11.7	18.4	20.2	22.2	24.6	25.1	22.7	(NA)
<b>Overseas telephone:</b>											
Number of overseas calls .....	Million	3.3	23.4	62.2	168.3	168.8	265.5	310.8	389.5	427.6	412.0
Revenue from overseas calls .....	Bl. dol.	16	252	582	1,106	1,535	1,854	1,481	1,897	1,772	1,798
Ocean cable systems .....	Number	5	17	21	22	24	24	24	26	26	26
Communications satellites <sup>7</sup> .....	Number	—	4	5	5	5	5	6	6	6	6
<b>Domestic telegraph:</b>											
Carriers .....	Number	1	1	1	1	1	1	1	1	1	1
Revenue messages transmitted .....	Million	124	70	42	55	55	56	50	42	36	36
Message revenues <sup>8</sup> .....	Bl. dol.	180	234	197	271	266	320	320	316	321	304
Total operating revenues .....	Bl. dol.	282	402	505	636	667	779	809	722	738	716
Operating revenue deductions .....	Bl. dol.	247	368	435	581	603	666	726	654	712	654
Operating income <sup>9</sup> .....	Bl. dol.	11	34	70	75	84	110	84	68	26	61
Teletypewriter messages .....	Million	33	46	54	59	66	63	(NA)	(NA)	(NA)	(NA)
<b>Overseas telegraph:</b> <sup>10</sup>											
Carriers .....	Number	9	6	6	7	7	7	7	6	6	6
Revenue messages transmitted .....	Million	28	32	26	21	20	18	15	11	8	7
Message revenues <sup>8</sup> .....	Bl. dol.	71	124	217	355	380	405	411	305	411	404
Total operating revenues .....	Bl. dol.	87	194	316	497	535	576	613	618	644	652
Operating revenue deductions .....	Bl. dol.	77	158	245	382	405	466	532	560	611	636
Operating income <sup>9</sup> .....	Bl. dol.	6	36	48	85	79	70	58	47	33	16
<b>Return on investment:</b> <sup>11</sup>											
Telephone .....	Percent	7.3	7.1	7.8	8.5	8.7	9.0	8.4	8.7	8.7	9.4
Domestic telegraph .....	Percent	6.0	6.0	6.1	5.5	6.6	7.4	5.3	3.9	1.6	3.5
Overseas telegraph .....	Percent	7.2	10.6	12.0	17.9	5.9	12.5	9.1	6.8	3.3	8.7

— Represents zero. NA Not available. <sup>1</sup> Includes Puerto Rico and, beginning 1970, Virgin Islands. Excludes intercompany duplications. Gross operating revenues of carriers reporting since 1970 estimated at 90 percent of all carriers. <sup>2</sup> Beginning 1985, number of carriers changed due to change in dollar requirement of reporting carriers from \$1,000,000 to \$160,000,000. <sup>3</sup> Includes company, service, and private. <sup>4</sup> Includes amortization reserves. <sup>5</sup> Excludes taxes. <sup>6</sup> After tax deductions. <sup>7</sup> Excludes contingency and retired satellites. <sup>8</sup> Includes telex service; for domestic telegraph, excludes TWX. <sup>9</sup> After Federal income taxes. <sup>10</sup> Beginning 1970, excludes South American and most Caribbean operations of All America Cables and Radio, Inc. <sup>11</sup> Ratio of net operating income (after taxes) to average net book cost of communications plant.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers*, annual, and unpublished data.

### No. 882. TELEPHONE COMPANIES—SUMMARY: 1970 TO 1986

[As of Dec. 31 or calendar year, as applicable. See also *Historical Statistics, Colonial Times to 1970*, series R 31-45]

ITEM	Unit	INDEPENDENT COMPANIES <sup>1</sup>							TOTAL <sup>2</sup>		
		1970	1975	1980	1982	1984	1985	1986	1984	1985	1986
<b>I companies</b>	Number	1,841	1,618	1,483	1,439	1,418	1,482	1,888	1,448	1,429	1,484
Telephones	1,000	20,312	26,823	34,865	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	1,000	(NA)	16,855	20,808	22,331	23,020	24,330	25,186	114,474	118,275	122,203
Total telephone plant	ML. dol.	12,380	21,200	35,300	44,500	45,850	48,068	50,882	183,779	207,238	218,701
Operating revenues	ML. dol.	2,953	5,500	10,475	14,875	16,000	17,245	16,408	73,888	78,425	82,388
Average daily conversations, total	Millions	109	148	192	209	210	223	243	1,199	1,284	1,327
Local calls	Millions	104	138	177	189	190	203	210	1,111	1,182	1,208
Toll calls	Millions	5	8	15	21	20	20	33	88	102	121
<b>Operating companies<sup>3</sup></b>	Number	886	731	785	878	831	855	838	885	877	854
Telephones	1,000	19,182	25,548	33,748	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	1,000	(NA)	(NA)	19,412	21,077	22,069	23,430	24,164	113,686	117,375	121,172
Telephone plant in service	ML. dol.	11,175	19,520	32,481	40,483	42,083	45,501	47,732	186,151	199,978	212,388
Depreciation reserves	ML. dol.	2,209	4,120	7,820	11,553	12,984	14,310	15,515	45,748	52,872	61,053
Operating revenues	ML. dol.	2,781	5,204	10,177	14,388	15,403	16,864	17,555	73,270	77,864	81,452
Operating expenses <sup>4</sup>	ML. dol.	1,953	3,839	7,279	11,432	12,305	13,323	12,548	59,786	63,678	69,292
Net income	ML. dol.	358	711	1,288	1,956	2,199	2,434	2,617	9,313	10,063	10,984
Common stock and surplus	ML. dol.	3,733	6,181	9,823	12,080	12,781	13,940	14,033	63,147	66,510	68,683
Net income to common stock and surplus	Percent	9.5	11.5	13.2	16.3	17.2	17.5	18.7	14.7	15.1	18.5
Employees	1,000	142	152	189	175	188	170	185	724	806	872
Wages and salaries	ML. dol.	1,001	1,737	3,373	4,223	4,429	4,558	4,736	22,112	21,443	22,127

NA Not available. <sup>1</sup> Companies independent of the Bell System, prior to divestiture of January 1984. <sup>2</sup> All telephone companies. <sup>3</sup> Comprises only companies submitting operating information to source cited below. <sup>4</sup> Excludes Federal income tax.

Source: United States Telephone Association, Washington, DC, *Statistics of the Telephone Industry*, annual. (Copyright.)

### No. 883. REA AND RURAL TELEPHONE BANK PROGRAM—SUMMARY: 1970 TO 1986

ITEM	Unit	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986
Plans and guarantees approved, Dec. 31. <sup>1</sup>											
Borrowers	Number	862	921	1,111	990	1,010	1,029	1,037	1,035	1,034	1,037
REA amount	ML. dol.	1,816	2,576	3,606	3,845	4,078	4,227	4,540	4,742	4,937	5,118
Guaranteed amount	ML. dol.	-	237	382	418	553	626	672	701	679	679
Rural Telephone Bank amount	ML. dol.	-	618	1,262	1,368	1,529	1,726	1,872	2,000	2,131	2,248
Subscribers, Dec. 31	1,000	547	853	772	798	805	831	847	868	872	889
Subscribers in service	1,000	2,335	3,045	4,073	4,262	4,375	4,546	4,629	4,747	4,792	4,833
Total operating revenues	ML. dol.	383	753	1,540	1,758	2,042	2,388	2,643	2,910	3,108	3,181
Total telephone plant	ML. dol.	2,085	3,850	6,558	7,388	8,034	8,697	9,532	10,195	10,671	10,917
Employees	1,000	15.4	20.0	27.9	28.4	28.7	28.8	28.9	28.7	28.3	27.8

- Represents zero. NA Not available. <sup>1</sup> Cumulative net loans (cancellations deducted). <sup>2</sup> Line in service.

Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*, annual.

### No. 884. PRIVATE RADIO STATIONS AUTHORIZED BY CLASS: 1980 TO 1986

[In thousands. As of Sept. 30. Includes Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series R 140-148]

CLASS	1980	1985	1986	CLASS	1980	1985	1986
<b>Private radio services<sup>1</sup></b>				Land transportation	26.0	37.7	38.8
Amateur	14,560.2	(X)	458.4	Railroad	10.0	13.8	14.9
Citizens Band	14,308.4	(X)	-	Taxicab	4.8	6.1	6.2
General mobile	20.2	33.8	35.7	Interurban property	3.1	4.4	4.9
Radio control	231.7	(X)	-	Other	9.9	13.4	13.8
Amateur and classier	388.9	415.4	423.7	Marine	388.3	525.3	581.2
Aviation	231.6	245.7	244.3	Ship	388.6	510.4	545.3
Aircraft	198.8	207.3	205.4	Alaskan	2.6	2.7	2.8
Aeronautical and fixed	9.5	10.9	11.1	Coastal and other	9.1	12.2	13.1
Civil air patrol	21.6	23.0	23.3	Public safety	137.1	184.5	207.1
Other	3.7	4.5	4.5	Police	42.3	42.3	45.0
Industrial	504.9	811.3	884.4	Fire	20.6	36.6	36.7
Power	23.1	34.4	37.7	Forestry conservation	7.8	9.6	10.2
Business	370.4	583.8	636.6	Highway maintenance	9.7	12.7	13.4
Petroleum	17.9	25.2	28.6	Special emergency	22.4	37.4	39.4
Forest products	6.4	9.8	10.8	Other	34.2	55.9	60.4
Special industrial	72.1	115.0	119.2	Operational fixed services <sup>2</sup>	18.0	23.1	25.6
Other	14.7	33.4	34.7				

- Represents zero. X Not applicable. <sup>1</sup> Includes items not shown separately. Each license, construction permit, or combination construction permit and license is counted as one station; therefore, a station might include a transmitter and many mobile units. <sup>2</sup> Includes microwave operations.

Source: U.S. Federal Communications Commission, *Annual Report*, and unpublished data.



No. 885. PUBLIC TELEVISION STATIONS: 1968 TO 1984

[Based on a "typical" broadcast week through 1972; calendar year data for 1974 and 1976; fiscal year data thereafter. General programming is directed at the general community. Instructional programming is directed at students in the classroom or otherwise in the general context of formal education]

ITEM	1968	1970	1972	1974	1976	1978	1980	1982	1984
Stations broadcasting.....	<sup>1</sup> 153	<sup>1</sup> 190	220	<sup>2</sup> 236	<sup>2</sup> 253	272	281	291	303
Total weekly broadcast hours.....	<sup>1</sup> 8,534	<sup>1</sup> 12,217	15,587	18,321	20,956	26,084	27,643	30,337	32,293
General programs.....	4,671	7,897	7,904	10,888	14,329	17,929	19,508	21,416	23,154
Percent of total hours.....	54.7	63.0	50.7	59.3	64.8	65.8	69.8	70.6	71.7
Instructional programs <sup>4</sup> .....	3,663	4,520	7,663	7,453	7,766	8,135	8,135	8,919	9,139
Average weekly broadcast hours per station.....	58.1	65.3	70.9	80.7	90.9	96.8	98.8	104.3	106.6
General programming.....	30.7	41.1	36.0	47.9	59.0	65.9	69.4	73.6	78.4
Instructional programming <sup>4</sup> .....	25.4	24.2	34.9	32.8	31.9	29.9	30.4	30.7	30.2

<sup>1</sup> 152 stations reported in 1968 and 187 in 1970; details include data for reporting stations only. <sup>2</sup> Includes data for 227 stations only, representing 147 primary broadcasters; does not include secondary broadcasters. <sup>3</sup> Includes data for 243 stations only, representing 151 primary broadcasters. <sup>4</sup> Beginning 1974, includes material from Children's Television Workshops.

Source: Through 1970, National Instructional Television Center, Bloomington, IN, *One Week of Educational Television, 1970* (copyright); 1972, Corporation for Public Broadcasting, *One Week of Public TV*, April 1972, and unpublished data; 1974-1984, Corporation for Public Broadcasting, *PTV Programming Content by Category Report Series*, and unpublished data.

No. 886. PUBLIC BROADCASTING SYSTEMS—INCOME BY SOURCE: 1975 TO 1985

[In millions of dollars, except as indicated. Stations as of Dec. 31; fiscal year data for income. Beginning 1979, includes nonbroadcast income]

NUMBER OF STATIONS AND INCOME SOURCE	1975	1979	1980	1981	1982	1983	1984	1985, prel.	PERCENT DISTRIBUTION		
									1975	1985	1985, prel.
Number of CPB-qualified public radio stations.....	168	210	217	236	255	266	275	288	(x)	(x)	(x)
Public television stations.....	260	261	290	293	299	300	304	316	(x)	(x)	(x)
Total income.....	384.8	603.5	704.9	788.9	845.2	889.2	974.2	1,101.8	100.0	100.0	100.0
Federal government.....	92.3	163.2	192.5	193.7	197.6	163.7	187.0	179.8	25.3	27.3	16.3
State and local government <sup>1</sup> .....	156.6	245.5	271.6	277.5	301.0	318.3	334.5	363.0	42.9	38.5	33.0
Subscribers and auction/marathon... Business and industry.....	42.3	68.1	102.3	130.8	162.5	196.4	215.2	246.7	11.6	14.5	22.4
Foundation.....	25.1	57.9	72.4	86.8	100.5	119.8	144.7	170.8	6.9	10.3	15.5
Other.....	26.7	20.4	23.5	19.3	22.1	24.9	27.8	43.7	7.9	3.3	4.0
	19.8	30.4	42.6	60.6	61.5	76.0	85.0	97.5	5.4	6.0	8.6

X Not applicable. <sup>1</sup> Includes income received from State colleges and universities, and, beginning 1979 from other tax supported colleges and universities.

Source: Corporation for Public Broadcasting (CPB), Washington, DC, *Public Broadcasting Income, Fiscal Year, 1985*, and unpublished data.

No. 887. CABLE TELEVISION—SYSTEMS AND SUBSCRIBERS: 1952 TO 1987

[Subscribers in thousands, except percent. Estimated]

YEAR (As of Jan. 1)	Sys- tems	Sub- scribers	YEAR (As of Jan. 1)	Sys- tems	Sub- scribers	SUBSCRIBER SIZE-GROUP	Number of— <sup>1</sup>		Percent of— <sup>1</sup>	
							Sys- tems	Sub- scribers	Sys- tems	Sub- scribers
1952.....	70	14	1977.....	3,832	11,900	1987, total <sup>2</sup> .....	7,325	20,702	100.00	100.00
1955.....	400	150	1978.....	3,875	13,000	50,000 and over.....	136	11,642	1.88	30.03
1960.....	640	650	1979.....	4,150	14,100	20,000-49,999.....	326	9,950	4.45	25.67
1965.....	1,325	1,275	1980.....	4,225	16,000	10,000-19,999.....	467	6,554	6.38	16.91
1969.....	2,260	3,600	1981.....	4,375	16,300	5,000-9,999.....	828	4,398	8.57	11.36
1970.....	2,490	4,500	1982.....	4,625	21,000	3,500-4,999.....	382	1,603	5.22	4.14
1971.....	2,636	5,300	1983.....	5,600	25,000	1,000-3,499.....	1,659	3,200	22.65	8.25
1972.....	2,841	6,000	1984.....	6,200	30,000	500-999.....	1,128	601	15.40	2.07
1973.....	2,981	7,300	1985.....	6,800	32,000	250-499.....	1,117	404	15.25	1.04
1974.....	3,158	8,700	1986.....	7,600	37,500	Less than 250.....	1,460	209	20.20	.64
1975.....	3,506	9,800	1987.....	7,900	39,709					
1976.....	3,681	10,800								

<sup>1</sup> As of April 1, 1987. <sup>2</sup> Excludes 511 systems not available by subscriber size-group.

Source: Television Digest, Inc., Washington, DC, *Television & Cable Factbook*, annual. (Copyright.)

## NO. 888. CABLE AND PAY TV—SUMMARY, 1965 TO 1985, AND PROJECTIONS, 1990 AND 1995

[Cable TV for calendar year. Pay TV as of Dec. 31 of year shown]

YEAR	CABLE TV				PAY TV					
	Avg. basic subscribers (1,000)	Avg. monthly basic rate (dol.)	Revenue <sup>1</sup> (mil. dol.)		Units <sup>2</sup> (1,000)		Monthly rate (dol.)		Pay cable units per 1,000	
			Total	Basic	Total	Pay cable	Total	Pay cable	Home passed	Basic cable subscribers
1965	250	5.00	20	20	(x)	(x)	(x)	(x)	(x)	(x)
1966	750	5.00	50	50	(x)	(x)	(x)	(x)	(x)	(x)
1967	1,500	5.00	95	95	(x)	(x)	(x)	(x)	(x)	(x)
1970	5,100	5.80	345	345	(x)	(x)	(x)	(x)	(x)	(x)
1975	9,800	6.80	804	774	499	469	(x)	7.85	111	238
1976	11,000	6.75	872	801	1,021	978	(NA)	7.87	108	223
1977	12,200	7.00	1,183	1,034	1,733	1,642	8.12	7.92	122	253
1978	13,400	7.25	1,424	1,178	3,580	3,289	8.62	8.09	179	360
1979	15,000	7.50	1,814	1,362	6,409	5,732	9.37	8.44	223	413
1980	17,500	7.75	2,435	1,847	10,389	9,144	9.78	8.80	278	506
1981	21,500	7.95	3,480	2,091	17,521	15,450	10.13	9.02	376	668
1982	25,400	8.25	4,705	2,584	23,179	20,791	10.38	9.57	462	840
1983	29,450	8.74	6,042	3,144	28,115	26,418	10.25	9.84	473	843
1984	32,800	9.20	7,396	3,628	31,027	29,806	10.32	10.08	495	875
1985	36,444	10.25	8,655	4,508	31,056	30,566	10.53	10.42	473	836
1990, proj.	45,880	12.87	13,376	7,053	(NA)	42,520	(NA)	11.37	532	910
1995, proj.	54,780	17.22	20,982	11,317	(NA)	55,470	(NA)	12.56	648	1,000

NA Not available. X Not applicable. <sup>1</sup> Includes installation revenue. <sup>2</sup> Individual program services sold to subscribers.Source: Paul Kagan Associates, Inc., Carmel, CA, *The Cable TV Financial Databook*, annual. (Copyright.)

## NO. 889. RADIO AND TELEVISION STATIONS OWNED BY NEWSPAPERS AND/OR MAGAZINES: 1961 TO 1986

DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV
1961, Sept. 1	412	147	181	1973, Dec. 1	304	211	179	1980, Dec. 1	315	284	230
1965, Oct. 31	361	170	174	1974, Dec. 1	321	236	193	1981, Dec. 1	311	277	248
1968, Dec. 4	381	191	183	1975, Dec. 1	320	238	197	1982, Dec. 1	300	283	251
1969, Dec. 1	394	245	189	1976, Dec. 1	322	236	209	1983, Dec. 1	288	257	248
1971, Feb. 1	402	248	191	1977, Dec. 1	314	238	211	1984, Dec. 1	288	256	255
1971, Dec. 1	318	208	176	1978, Dec. 1	319	252	221	1985, Dec. 1	264	255	253
1972, Dec. 1	325	171	178	1979, Dec. 1	318	257	226	1986, Dec. 1	232	226	272

Source: Broadcasting Publications Inc., Washington, DC, *Broadcasting Cablecasting Yearbook*. (Copyright.)

## NO. 890. PUBLISHING INDUSTRY—SUMMARY: 1977 TO 1985

[In millions of dollars, except as noted. Number in parentheses represents Standard Industrial Classification code; see text, section 13. Based on the censuses of manufactures and the 1985 Survey of Manufactures; for details, see source and Appendix III.]

ITEM	NEWSPAPERS (271)			PERIODICALS (272)			BOOKS (273)		
	1977	1982	1986	1977	1982	1986	1977	1982	1986
Establishments, number	8,867	8,846	(NA)	2,994	3,328	(NA)	1,744	2,130	(NA)
With 20 or more employees	2,147	2,585	(NA)	525	690	(NA)	346	420	(NA)
Employees <sup>1</sup> (1,000)	350	402	411	70	94	96	80	87	71
Payroll	4,308	6,555	7,905	1,020	1,968	2,555	830	1,327	1,672
Value of receipts	13,056	21,276	27,015	6,057	11,478	15,246	4,794	7,740	10,198
Cost of materials	3,539	6,006	6,565	2,289	4,568	5,580	1,544	2,420	3,021
Value added by manufacture <sup>2</sup>	9,516	15,275	20,426	3,763	6,911	9,678	3,262	5,292	7,396
New capital expenditures	478	1,029	1,430	79	195	340	80	174	232
Fixed assets, gross value	5,026	8,701	11,378	725	1,370	2,052	690	1,109	1,432
Inventories, yearend	382	755	834	350	724	816	902	1,360	1,895

NA Not available. <sup>1</sup> Represents the average number of production workers plus the number of other employees in mid-March. <sup>2</sup> Derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments. This result is then adjusted by the addition of value added by merchandising operations, plus the net change in finished goods and work-in-process inventories between the beginning and the end of the year.Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, Industry Reports, series MC82-1-27A, and *1985 Annual Survey of Manufactures*, MS85(A5)-1

### NO. 881. NEWSPAPERS AND PERIODICALS—NUMBER, BY TYPE: 1960 TO 1987

[Data refer to year of completion of the Directory cited as the source, i.e., generally to year preceding year shown. See also *Historical Statistics, Colonial Times to 1970*, series R 232-243]

TYPE	1960	1965	1970	1975	1980	1982	1982	1984	1986	1986	1987
Newspapers <sup>1</sup>	11,318	11,383	11,383	11,400	9,830	9,189	9,305	9,161	9,134	9,144	8,831
Semiweekly	324	357	423	506	537	499	506	526	517	496	510
Weekly	8,979	8,989	8,903	8,824	7,159	6,806	6,865	6,798	6,911	6,857	6,750
Daily	1,854	1,843	1,838	1,819	1,744	1,740	1,735	1,711	1,701	1,651	1,549
Periodicals <sup>1</sup>	8,422	8,980	9,573	9,657	10,238	10,888	10,982	10,888	11,000	11,225	11,888
Weekly	1,580	1,716	1,856	1,918	1,716	1,672	1,828	1,378	1,387	1,383	1,400
Semi-monthly <sup>2</sup>	527	550	599	537	645	699	724	658	601	799	859
Monthly	4,113	4,195	4,314	4,087	3,985	4,078	4,108	4,088	4,088	4,088	4,031
Bi-monthly	743	676	857	1,009	1,114	1,237	1,307	1,348	1,361	1,397	1,402
Quarterly	865	1,030	1,105	1,093	1,444	1,554	1,627	1,711	1,759	1,895	1,984

<sup>1</sup> Includes other not shown separately. <sup>2</sup> Includes fortnightly (every two weeks).

Source: Gale Research Co., FL Lauderdale, FL, *Gale Directory of Publications*, 1987. (Copyright.)

### NO. 882. NUMBER AND CIRCULATION OF DAILY AND SUNDAY NEWSPAPERS: 1960 TO 1986

[Number of newspapers as of the following dates: 1960, Oct. 1; 1965, Jan. 1; 1970-1986, Feb. 1 of the following year. Circulation figures as of Sept. 30, except 1966 and 1986 as of Oct. 1. For English language newspapers only. See also *Historical Statistics, Colonial Times to 1970*, series R 224-231]

TYPE	1960	1965	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
NUMBER OF NEWSPAPERS													
Daily: Total <sup>1</sup>	1,783	1,751	1,748	1,756	1,756	1,763	1,745	1,730	1,711	1,701	1,688	1,676	1,657
Morning	312	320	334	339	355	362	367	406	434	446	458	482	499
Evening	1,459	1,444	1,429	1,436	1,419	1,405	1,368	1,362	1,310	1,257	1,257	1,220	1,188
Sunday	583	562	599	639	696	720	736	755	798	772	783	796	802
CIRCULATION (mil.)													
Daily: Total <sup>1</sup>	58.9	60.4	62.1	60.7	62.0	62.2	62.2	61.4	62.5	62.6	63.1	62.8	62.5
Morning	24.0	24.1	25.9	25.5	27.7	28.6	29.4	30.6	33.2	33.6	35.4	36.4	37.4
Evening	34.9	36.3	36.2	35.2	34.3	33.6	32.8	30.8	29.3	29.0	27.7	26.4	25.1
Sunday	47.7	48.8	49.2	51.1	54.0	54.4	54.7	55.2	58.3	56.7	57.5	58.8	58.9

<sup>1</sup> All-day newspapers are counted in both morning and evening columns but only once in total. Circulation is divided equally between morning and evening.

Source: Editor & Publisher Co. Inc., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

### NO. 883. NUMBER AND CIRCULATION OF DAILY NEWSPAPERS, BY POPULATION-SIZE CLASS OF CITY: 1970 TO 1986

[Number of newspapers as of Feb. 1 of the following year. Circulation as of Sept. 30. For English language newspapers only. See table 37 for number of cities by population size]

TYPE OF DAILY AND POPULATION-SIZE CLASS	NUMBER <sup>1</sup>						NET PAID CIRCULATION <sup>1</sup> (1,000)					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Morning dailies, total	334	339	367	458	462	486	25,834	25,491	29,413	35,426	26,381	37,441
in cities of—												
1,000,001 or more	15	14	20	14	22	23	7,867	7,159	8,795	4,641	9,267	10,167
500,001 to 1,000,000	26	25	27	24	24	27	5,747	5,581	5,705	6,609	6,897	7,331
100,001 to 500,000	91	89	99	128	121	124	8,169	7,836	8,896	16,676	12,197	12,087
50,001 to 100,000	65	69	75	63	67	68	2,220	2,819	2,973	3,402	3,653	3,701
25,001 to 50,000	59	67	64	74	63	66	1,317	1,422	1,701	1,964	2,145	2,257
Less than 25,000	78	75	102	135	145	151	814	674	1,243	1,297	2,099	1,987
Evening dailies, total	1,428	1,436	1,388	1,257	1,230	1,186	36,231	35,188	32,798	27,857	26,467	25,861
in cities of—												
1,000,001 or more	12	12	11	7	8	9	4,716	4,156	2,964	1,794	2,169	1,977
500,001 to 1,000,000	24	24	23	15	14	14	4,807	4,573	4,101	1,948	1,626	1,828
100,001 to 500,000	128	127	123	112	102	96	10,034	8,916	8,178	7,857	6,428	6,428
50,001 to 100,000	178	175	158	133	127	122	5,221	5,379	4,896	4,177	3,942	3,767
25,001 to 50,000	250	248	246	236	229	225	4,788	4,888	5,108	4,789	4,808	4,542
Less than 25,000	836	850	829	754	740	720	6,667	7,242	7,523	7,067	7,075	6,718

<sup>1</sup> All-day newspapers are counted in both morning and evening columns; circulation is divided equally between morning and evening.

Source: Editor & Publisher Co. Inc., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

**NO. 884. DAILY AND SUNDAY NEWSPAPERS—NUMBER AND CIRCULATION, BY STATE: 1986**

Number of newspapers as of Feb. 1 of the following year. Circulation figures as of Sept. 30. For English language newspapers only.

STATE	DAILY			SUNDAY		STATE	DAILY			SUNDAY	
	Number	Circulation <sup>1</sup>		Number	Net paid circulation (1,000)		Number	Circulation <sup>1</sup>		Number	Net paid circulation (1,000)
		Net paid (1,000)	Per capita <sup>2</sup>					Net paid (1,000)	Per capita <sup>2</sup>		
Alabama	1,857	82,882	.26	482	58,925	Missouri	48	1,253	.25	19	1,249
Alaska	28	758	.18	20	763	Montana	11	192	.23	7	180
Arizona	8	131	.23	4	141	Nebraska	19	472	.29	7	436
Arkansas	19	875	.20	11	714	Nevada	7	253	.25	4	304
California	32	504	.21	18	535	New Hampshire	9	215	.20	4	139
Colorado	117	6,221	.22	61	6,150	New Jersey	26	1,714	.23	17	1,846
Connecticut	27	941	.28	10	1,117	New Mexico	20	302	.20	13	272
Delaware	24	806	.28	11	816	New York	73	7,707	.44	33	5,747
District of Columbia	3	144	.22	2	182	North Carolina	54	1,427	.22	29	1,328
Florida	3	144	.22	2	182	North Dakota	10	188	.27	6	173
Georgia	3	2,311	3.80	1	1,079	Ohio	87	2,828	.27	31	2,774
Hawaii	49	2,888	.23	33	3,329	Oklahoma	51	798	.23	43	802
Idaho	36	1,089	.18	18	1,184	Oregon	20	854	.24	10	847
Illinois	6	237	.21	6	250	Pennsylvania	91	3,321	.28	23	2,907
Indiana	12	205	.20	8	217	Rhode Island	7	303	.31	3	302
Iowa	70	2,652	.23	24	2,669	South Carolina	18	639	.18	11	631
Kansas	74	1,548	.26	20	1,288	South Dakota	12	165	.23	4	129
Kentucky	37	753	.27	11	751	Tennessee	28	979	.20	15	1,050
Louisiana	46	545	.22	18	488	Texas	108	3,827	.21	98	4,333
Maine	25	711	.19	13	855	Utah	8	287	.17	6	326
Maryland	27	792	.17	21	888	Vermont	8	123	.22	3	80
Massachusetts	9	291	.24	2	178	Virginia	38	1,187	.20	15	938
Michigan	15	888	.15	4	570	Washington	28	1,145	.25	14	1,128
Minnesota	48	2,134	.37	11	1,727	West Virginia	23	446	.23	10	388
Mississippi	52	2,549	.28	15	2,468	Wisconsin	35	1,190	.25	13	1,044
Missouri	25	917	.22	12	1,048	Wyoming	10	99	.19	4	75
Montana	23	402	.15	12	334						

Circulation figures based on the principal community served by a newspaper which is not necessarily the same location as the newspaper's office. <sup>2</sup> Per capita based on total resident population estimated as of Dec. 31, 1986.

Source: Editor & Publisher Co., Inc., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

**NO. 885. COPYRIGHT REGISTRATION, BY SUBJECT MATTER: 1980 TO 1986**

Thousands. For years ending Sept. 30. Comprises claims to copyright registered for both U.S. and foreign works. See also *Historical Statistics, Colonial Times to 1970*, series W 82-95.

SUBJECT MATTER OF COPYRIGHT	1980	1985	1986	SUBJECT MATTER OF COPYRIGHT	1980	1985	1986
All	484.7	538.8	561.8	Renewals	33.0	43.8	45.3
Books	119.2	154.5	148.2	Musical works	120.2		
Copyrightable works	1.9			Dramatic works, including any accompanying music	8.0	147.9	156.3
Conductor chip products	(x)	.9	1.0	Choreography and pantomimes	(z)		
Drawings	117.8	120.0	130.0	Motion pictures and filmstrips	8.5		
Recordings	12.8	22.7	29.0	Works of the visual arts <sup>2</sup>	42.8	50.0	51.2

of applicable. <sup>2</sup> Less than 50. <sup>3</sup> Includes computer software. <sup>4</sup> Two-dimensional works of fine and graphic art, including prints and art reproductions; sculptural works; technical drawings and models; photographs; commercial prints and labels; <sup>5</sup> applied arts, cartographic works and multimedia works.

Source: The Library of Congress, *Annual Report*.

**NO. 886. ADVERTISING—ESTIMATED EXPENDITURES: 1950 TO 1986**

In millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series T 444-446.

YEAR	Total	National	Local	YEAR	Total	National	Local	YEAR	Total	National	Local
1950	5,700	3,280	2,440	1973	24,880	13,700	11,280	1980	53,550	29,815	23,735
1951	9,150	5,380	3,770	1974	26,620	14,700	11,920	1981	60,430	33,880	26,550
1952	11,980	7,305	4,685	1975	27,800	15,200	12,700	1982	66,580	37,785	28,795
1953	15,250	9,340	5,910	1976	33,300	18,365	14,945	1983	75,850	42,525	33,325
1954	19,550	11,350	8,200	1977	37,440	20,585	16,845	1984	87,820	49,690	38,130
1955	20,700	11,755	8,945	1978	43,330	23,720	19,610	1985	94,750	53,355	41,395
1956	23,210	12,980	10,230	1979	48,780	26,985	22,085	1986	102,140	58,880	43,260

Source: McCann-Erickson, Inc., New York, NY. Compiled for Crain Communications, Inc. in *Advertising Age* (copyright).

### NO. 897. ADVERTISING—INDEXES OF NATIONAL ADVERTISING EXPENDITURES, BY MEDIUM: 1960 TO 1986

[1967 = 100. Based on the average monthly expenditure for those major media which give national coverage. See also *Historical Statistics, Colonial Times to 1970*, series T 472-484]

MEDIUM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
General index .....	67	112	143	236	260	260	323	360	414	486	563	589
Network television .....	58	114	158	273	316	363	383	427	482	556	599	599
Spot television .....	63	125	184	281	291	330	378	441	485	555	606	606
Magazines .....	73	104	118	209	236	253	284	298	340	398	414	427
Weeklies .....	81	95	94	178	204	218	245	255	284	342	363	367
Women's .....	65	107	130	236	260	277	302	321	374	429	489	488
Monthlies .....	64	120	155	246	280	304	347	386	404	480	501	517
Newspapers .....	92	105	131	182	209	232	267	290	323	364	396	399

Source: McCann-Erickson, Inc., New York, NY. Compiled for Grain Communications, Inc. in *Advertising Age* (copyright).

### NO. 898. ADVERTISING—ESTIMATED EXPENDITURES, BY MEDIUM: 1970 TO 1986

[In millions of dollars, except percent. See text, section 18 for a discussion of types of advertising. See also *Historical Statistics, Colonial Times to 1970*, series R 106-108, R 123-126, and T 444-471]

MEDIUM	EXPENDITURES								PERCENT			
	1970	1980	1981	1982	1983	1984	1985	1986	1970	1980	1985	1986
Total .....	19,550	53,590	60,430	66,690	75,890	87,820	94,730	102,140	100.0	100.0	100.0	100.0
National .....	11,350	29,815	33,890	37,785	42,525	49,690	53,355	56,850	58.1	55.7	56.3	55.7
Local .....	8,200	23,735	26,540	28,795	33,325	38,130	41,365	45,290	41.9	44.3	43.7	44.3
Newspapers .....	5,704	14,794	16,528	17,894	20,582	23,522	25,170	26,990	29.2	27.8	28.6	28.6
National .....	891	1,983	2,259	2,452	2,734	3,061	3,352	3,378	4.6	3.7	3.5	3.3
Local .....	4,813	12,811	14,269	15,242	17,848	20,441	21,818	23,614	24.6	24.0	23.0	24.1
Magazines .....	1,292	3,148	3,533	3,710	4,233	4,832	5,155	5,317	6.6	5.9	5.4	5.2
Weeklies .....	617	1,418	1,598	1,659	1,917	2,224	2,297	2,327	3.2	2.8	2.4	2.3
Women's .....	301	782	853	804	1,055	1,209	1,294	1,378	1.5	1.5	1.4	1.3
Monthlies .....	374	949	1,062	1,147	1,280	1,499	1,564	1,614	1.9	1.8	1.6	1.6
Farm publications .....	62	130	146	148	163	181	189	192	.3	.2	.2	.2
Television .....	3,596	11,424	12,811	14,566	18,542	19,670	20,770	22,555	18.4	21.3	21.9	22.1
Network .....	1,858	5,130	5,575	6,210	7,017	8,526	8,285	8,570	8.5	9.6	8.9	8.4
Spot .....	1,234	3,299	3,746	4,827	4,827	5,468	6,004	6,570	6.3	6.1	6.3	6.4
Cable (National) .....	(NA)	50	105	195	303	492	637	752	(NA)	1	7	7
Local .....	704	2,957	3,368	3,765	4,345	5,064	5,714	6,514	3.6	5.5	6.0	6.4
Cable (Local) .....	(NA)	8	17	32	50	80	130	179	(NA)	(2)	1	.2
Radio .....	1,308	3,702	4,230	4,670	5,210	5,817	6,490	6,949	6.7	6.9	6.9	6.8
Network .....	56	183	230	255	295	320	385	423	.3	.3	.4	.4
Spot .....	371	779	879	923	1,187	1,335	1,348	1,488	1.9	1.5	1.4	1.3
Local .....	881	2,740	3,121	3,492	3,875	4,300	4,790	5,178	4.5	5.1	5.1	5.1
Direct mail .....	2,786	7,598	8,944	10,319	11,795	13,800	15,500	17,146	14.1	14.2	15.4	16.8
Business papers .....	740	1,874	1,841	1,876	1,990	2,270	2,375	2,362	3.6	3.1	2.5	2.3
Outdoor .....	578	1,578	1,850	2,211	2,794	3,872	4,945	5,985	1.2	1.1	1.0	1.0
Miscellaneous .....	3,648	10,503	11,747	12,878	14,541	16,756	18,159	19,595	18.7	19.6	19.2	19.2

NA Not available. Z Less than .05.

Source: McCann-Erickson, Inc., New York, NY. Compiled for Grain Communications, Inc. in *Advertising Age* (copyright). Percentages derived by U.S. Bureau of the Census.

### NO. 899. MAGAZINE ADVERTISING—EXPENDITURES, BY PRODUCT TYPE: 1970 TO 1986

[In millions of dollars, except percent. Space cost based on one-time rate; special rates used where applicable. Year-to-year data not strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCT	1970	1980	1981	1982	1983	1984	1985	1986	PERCENT DISTRIBUTION		
									1970	1980	1986
Expenditures .....	1,193	2,946	3,223	3,421	3,636	4,468	4,981	5,120	100.0	100.0	100.0
Apparel, footwear and accessories .....	51	112	141	154	206	240	251	291	4.3	3.9	5.7
Automotive <sup>1</sup> .....	97	230	290	333	405	479	549	597	8.1	8.0	11.7
Beer, wine, and liquor .....	239	252	258	243	230	240	225	218	20.0	8.4	4.4
Computers, office equipment, stationary .....	32	70	103	141	181	321	250	218	2.7	2.5	4.3
Consumer services <sup>2</sup> .....	74	190	206	233	255	411	483	484	6.2	6.7	9.5
Drugs and remedies .....	36	70	86	88	129	135	148	148	3.0	2.6	2.9
Food and food products .....	86	199	213	240	266	342	389	389	7.2	7.0	7.6
Household equipment and supplies .....	34	65	82	66	81	98	100	93	2.8	2.3	1.8
Household furnishings .....	36	73	83	81	94	87	103	103	3.0	2.0	2.0
Jewelry, optical goods, camera .....	30	78	89	80	95	107	101	113	2.5	2.6	2.2
Mail orders .....	(NA)	(NA)	(NA)	(NA)	(NA)	292	326	357	(NA)	(NA)	7.0
Publishing and media .....	36	146	149	156	182	159	188	188	3.0	5.1	3.6
Retail .....	53	(NA)	(NA)	(NA)	(NA)	126	121	146	4.4	(NA)	2.8
Smoking materials .....	85	280	314	358	398	423	383	322	7.1	10.2	6.3
Toiletries and toilet goods .....	119	208	230	241	279	334	365	390	10.0	7.2	7.6
Travel, hotels, and resorts .....	54	123	137	153	174	212	245	249	4.5	4.3	4.8
All other .....	289	738	844	838	881	728	793	815	24.2	25.0	15.9

NA Not available. <sup>1</sup> Includes accessories and equipment. <sup>2</sup> Includes business services.

Source: Magazine Publishers Association, Inc., New York, NY, from data compiled by Publishers Information Bureau, Inc.

## NO. 900. TELEVISION—EXPENDITURES FOR NETWORK ADVERTISING: 1960 TO 1966

(In millions of dollars. See text, section 18 for a definition of network advertising)

TYPE OF PRODUCT	1960	1964	1965	1966	TYPE OF PRODUCT	1960	1964	1965	1966
<b>Expenditures</b>	<b>5,147</b>	<b>5,565</b>	<b>5,313</b>	<b>5,800</b>	Horticulture	15	29	30	29
Apparel, footwear, and accessories	131	237	161	181	Household equipment, supplies, and furnishings	226	286	275	335
Automotive	529	808	848	927	Insurance	74	109	99	131
Beer and wine	242	448	426	535	Financial planning services	20	66	60	79
Building material, equipment, fixtures	59	106	97	88	Jewelry and cameras <sup>1</sup>	119	140	129	139
Computers, office equipment, and stationary	57	374	249	222	Laundry soaps, cleansers, and polishes	306	387	397	398
Confectionery, soft drinks	281	393	388	359	Movies	103	167	138	143
Consumer services	178	399	303	379	Pet products	144	175	175	157
Dept. and discount stores	84	215	181	139	Proprietary medicines	430	670	700	761
Food and food products	344	1,365	1,502	1,513	Publishing and media	34	58	50	49
Freight and industrial development	7	53	40	27	Restaurants and drive-ins	132	352	416	439
Gas, lubricants, etc.	71	56	49	45	Tobacco products and supplies	8	10	6	1
Home electronics equipment	59	79	36	40	Toiletries and toilet goods	785	978	955	874
					Toys and sporting goods	83	165	152	138
					Travel, hotels, and resorts	72	108	113	113
					All other	64	393	367	356

<sup>1</sup> Includes optical goods.

## NO. 901. TELEVISION—ESTIMATED TIME CHARGES FOR SPOT ADVERTISING: 1960 TO 1966

(In millions of dollars. Data represent activity in the top 75 markets monitored by Broadcast Advertisers Reports, Inc. (BAR), currently covering approximately 329 stations. See text, section 18 for a definition of types of advertising)

TYPE OF PRODUCT	1960	1964	1965	1966 <sup>1</sup>	TYPE OF PRODUCT	1960	1964	1965	1966
<b>Estimated time charges</b>	<b>3,466</b>	<b>4,164</b>	<b>4,304</b>	<b>4,829</b>	Home electronics equipment	73	76	67	79
Agriculture and farming	15	19	17	24	Horticulture	36	39	37	38
Apparel, footwear, and accessories	105	113	95	64	Household equipment, supplies, and furnishings	133	215	217	200
Automotive	228	553	663	934	Insurance	34	67	68	116
Beer and wine	156	304	219	243	Jewelry, optical goods, and cameras	55	70	68	56
Building material, equipment, and fixtures	47	58	58	86	Laundry soaps, polishes	111	144	175	160
Computers, office equipment, and stationary	15	63	25	34	Pet products	33	56	60	55
Confectionery, soft drinks	212	335	355	376	Proprietary medicines	93	148	148	144
Consumer services	83	222	262	304	Publishing and media	76	127	147	167
Food and food products	507	865	927	977	Tobacco products, supplies	6	14	14	15
Freight and industrial development	5	21	36	50	Toiletries and toilet goods	223	263	267	230
Gasoline, lubricants, etc.	50	104	102	111	Toys and sporting goods	104	141	211	212
					Travel, hotels, and resorts	76	163	187	230
					All other	17	36	40	36

<sup>1</sup> Excludes National Syndicated activity; therefore, not completely comparable to prior years.

## NO. 902. TELEVISION—EXPENDITURES FOR RETAIL/LOCAL ADVERTISING: 1960 TO 1966

(In millions of dollars. See headnote, table 901)

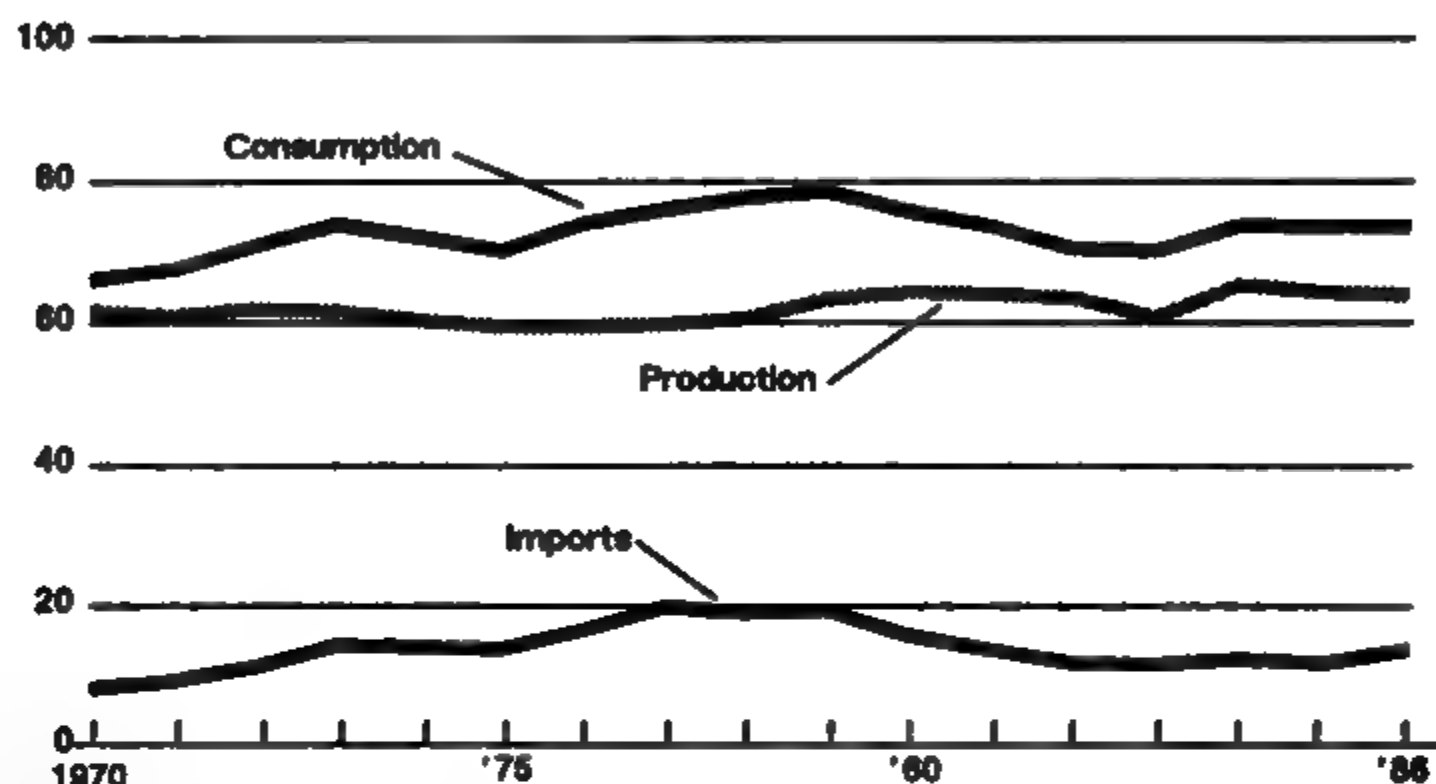
TYPE OF PRODUCT	1960	1964	1965	1966	TYPE OF PRODUCT	1960	1964	1965	1966
<b>Expenditures</b>	<b>1,963</b>	<b>3,466</b>	<b>3,996</b>	<b>4,446</b>	Home building contractors building supplies	35	77	91	93
Amusements, entertainment	65	104	121	128	Hotels, resorts, U.S.	18	58	62	73
Appliance stores, repair	38	89	122	142	Financial planning services	7	26	29	34
Auto repair service stations	28	51	73	80	Jewelry stores	19	24	25	27
Auto supply, accessory stores	12	36	41	38	Legal services	5	26	36	47
Auto, truck dealers	99	257	311	339	Lecture time stores and services	42	84	107	118
Banks, S&L associations	141	196	195	210	Loan, mortgage companies	12	20	25	24
Builders, real estate	26	42	41	38	Mail order catalog showrooms	13	22	23	16
Carpet, floor covering stores	24	36	40	44	Medical, dental services	13	62	67	114
Clothing stores	46	73	82	112	Movies	102	86	103	135
Department stores	131	186	186	177	Newspapers	15	29	32	33
Discount department stores	74	93	115	113	Optical services, supplies	14	19	26	47
Drug stores	26	57	87	78	Political	70	104	22	161
Education services	17	48	70	66	Radio, cable TV	69	129	134	147
Food stores, supermarkets	149	244	259	303	Rental services (non-auto)	15	34	36	43
Furniture stores	111	165	187	195	Restaurants, drive-ins	268	578	672	745
Gas, electric, water companies	16	33	38	42	Shoe stores	27	38	37	43
Hardware stores	19	23	20	17	Shopping centers, ass'ns	13	20	20	21
Health clubs, reducing salons	21	32	39	42	Sport, hobby, toy stores	23	44	41	40
					All other	137	241	278	299

Source of tables 900-902: Television Bureau of Advertising, Inc., New York, NY. Data compiled by Broadcast Advertisers Reports, Inc., New York, NY in the top 75 markets.



**Figure 19.1**  
**Energy Production, Consumption and Imports: 1970 to 1986**

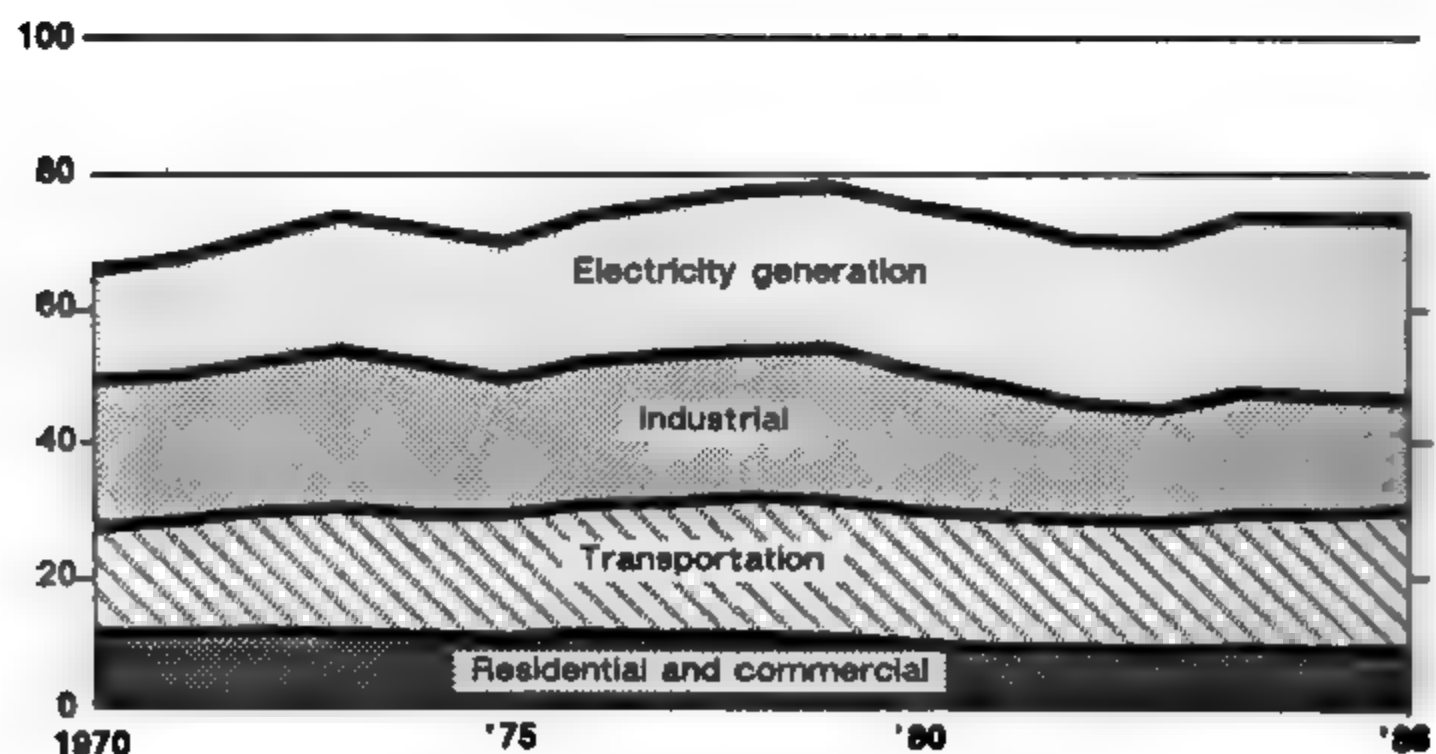
Quadrillion Btu  
 120



Source: Chart prepared by U.S. Bureau of the Census. For data see table 905.

**Figure 19.2**  
**Primary Energy Resources—Consumption by Major Consumer Group: 1970 to 1986**

Quadrillion Btu  
 120



Source: Chart prepared by U.S. Bureau of the Census. For data see table 906.



## Section 19

# Energy

This section presents statistics on fuel resources, energy production and consumption, electric energy, hydroelectric power, nuclear power, solar energy, wood energy and the electric and gas utility industries. The principal sources are the U.S. Department of Energy's Energy Information Administration (EIA), the Edison Electric Institute, Washington, DC, and the American Gas Association, Arlington, VA. The Department of Energy was created in October 1977 and assumed and centralized the responsibilities of all or part of several agencies including the Federal Power Commission (FPC), the U.S. Bureau of Mines, the Federal Energy Administration, and the U.S. Energy Research Administration. For additional data on transportation, see section 21; on fuels, see section 25; and on energy-related housing characteristics, see section 28.

The EIA, in its *Annual Energy Review*, provides statistics and trend data on energy supply, demand, and prices. Information is included on petroleum and natural gas, coal, electricity, hydroelectric power, nuclear power, and solar and geothermal energy. Among its annual reports are *Annual Energy Review*, *Electric Power Annual*, *Natural Gas Annual*, *Petroleum Supply Annual*, *State Energy Data Report*, *Energy Price and Expenditure Report*, *Financial Statistics of Selected Electric Utilities*, *Historical Capital Costs and Annual Production Expenses*, *Residential Energy Consumption Survey*, *Performance Profiles of Major Energy Producers*, *Typical Electric Bills*, *Annual Energy Outlook*, and *International Energy Annual*. These various publications contain State, national, and international data on production of electricity, net summer capability of generating plants, fuels used in energy production, energy sales and consumption, hydroelectric power, construction costs and production expenses of power plants, and depreciation practices. The EIA also issues the *Monthly Energy Review*, which presents current supply, disposition, and price data, and separate weekly and monthly publications on petroleum, coal, natural gas, and electric power. Data on residential energy consumption, expenditures, and conservation activities are available from EIA's Residential Energy Consumption Survey and are published in *Residential Energy Consumption Survey: Consumption and Expenditures*, and *Residential Energy Consumption Survey: Conservation*, and several other reports.

The Edison Electric Institute's monthly bulletin and annual *Statistical Year Book of the Electric Utility Industry for the Year* contain data on the distribution of electric energy by public utilities; information on the electric power supply, expansion of electric generating facilities, and the manufacture of heavy electric power equipment is presented in the annual *Year End Summary of the Electric Power Situation in the United States*. The American Gas Association, in its monthly and quarterly bulletins and its yearbook, *Gas Facts*, presents data on gas utilities, including sales, revenues, customers, prices, and other financial and operating statistics. A wide range of petroleum statistics is provided in the American Petroleum Institute publication *Basic Petroleum Data Book*.

**Unit conversion factors.**—Various energy sources are converted from original units (e.g., short tons, cubic feet, barrels, kilowatt-hours) to the thermal equivalent using British thermal units (Btu). A Btu is the amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit (F) at or near 39.2 degrees F. Factors are calculated annually from the latest final annual data available; some are revised as a result. The following list provides conversion factors used in 1975 for production and consumption, in that order, for various fuels: Petroleum, 5,800 and 5,387 Btu per barrel; total coal, 21,874 and 21,370 mil. Btu per short ton; and natural gas (dry), 1,033 and 1,033 Btu per cubic foot. The factors for the production of nuclear power and geothermal energy were 10,808 and 21,283 Btu per kilowatt-hour, respectively. The fossil fuel steam-electric power plant generation factor of 10,339 Btu per kilowatt-hour was used for hydroelectric power generation and for wood and waste, wind, photovoltaic, and solar thermal energy consumed at electric utilities.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1988*. For cross-references, see Appendix V.

NO. 903. TOTAL HORSEPOWER OF ALL PRIME MOVERS: 1950 TO 1986

[In millions, except percent. As of January, except as noted. Prior to 1960, excludes Alaska and Hawaii, except as noted. Prime movers are mechanical engines and turbines, and work animals, which originally convert fuels or force (as wind or falling water) into work and power. Electric motors, which obtain their power from prime movers, are excluded to avoid duplication. See also *Historical Statistics, Colonial Times to 1970*, series S 1-14]

YEAR	Total horsepower	AUTOMOTIVE <sup>1 2</sup>		NONAUTOMOTIVE							
		Total	Per-cent of total	Total	Facto-ries <sup>3</sup>	Mines <sup>3</sup>	Rail-roads <sup>4</sup>	Mer-chant ships and sailing vessels	Farms	Elec-tric cen-tral sta-tions <sup>5</sup>	Air-craft <sup>6 7</sup>
1950 .....	4,868	4,404	90.5	464	33	22	111	<sup>8</sup> 23	166	68	<sup>9</sup> 22
1955 .....	7,158	6,632	92.7	526	38	31	60	<sup>8</sup> 24	212	138	<sup>9</sup> 26
1960 .....	11,008	10,367	94.2	641	42	35	47	24	240	217	37
1965 .....	15,096	14,306	94.8	790	48	40	44	24	272	307	55
1970 .....	20,408	19,325	94.7	1,083	54	45	54	22	290	435	183
1972 .....	22,913	21,736	94.9	1,175	57	48	57	21	306	508	181
1973 .....	24,262	23,029	94.9	1,233	58	48	57	20	308	562	182
1974 .....	24,516	23,224	94.7	1,292	59	46	81	21	315	605	185
1975 .....	25,100	23,752	94.6	1,348	60	47	62	22	318	654	185
1976 .....	25,732	24,339	94.6	1,393	61	47	64	22	324	692	184
1977 .....	26,469	25,025	94.5	1,444	62	47	62	23	328	728	194
1978 .....	27,379	25,892	94.6	1,487	63	48	64	25	<sup>1</sup> 335	754	198
1979 .....	28,162	26,617	94.5	1,545	63	48	62	26	342	803	201
1980 .....	28,922	27,362	94.6	1,564	64	48	63	28	345	806	210
1981 .....	29,507	27,909	94.6	1,598	64	48	65	29	345	835	212
1982 .....	30,495	28,852	94.6	1,643	64	48	64	29	352	854	232
1983 .....	31,337	29,662	94.7	1,675	64	47	62	29	356	877	240
1984 .....	31,819	30,117	94.7	1,702	65	47	61	30	359	886	254
1985 .....	32,529	30,792	94.7	1,737	65	47	58	29	358	912	268
1986 .....	33,660	31,893	94.8	1,767	65	47	56	29	356	942	270

<sup>1</sup> Includes passenger cars, trucks, buses, and motorcycles.    <sup>2</sup> As of July 1.    <sup>3</sup> Beginning 1965, data are estimates.  
<sup>4</sup> Beginning 1965, not strictly comparable with earlier years.    <sup>5</sup> Includes private planes and commercial airlines.    <sup>6</sup> Includes Alaska and Hawaii.    <sup>7</sup> Includes estimates of about 3.0 million hp in work animals and 30,000 in windmills.  
Source: 1950 and 1955, The Twentieth Century Fund, New York, NY, J.F. Dewhurst and Associates, *America's Needs and Resources, A New Survey*, and John A. Waring, *Transactions of Canadian Sectional Meeting, World Power Conference, 1958*. Beginning 1960, John A. Waring, Arlington, VA, unpublished estimates.

NO. 904. ENERGY PRODUCTION AND CONSUMPTION, BY MAJOR SOURCE: 1960 TO 1986

[Btu=British thermal unit. For Btu conversion factors, see text, section 19. See also *Historical Statistics, Colonial Times to 1970*, series M 76-92]

YEAR	Total pro-duction (quad. Btu)	PERCENT OF PRODUCTION				Total con-sumption (quad. Btu)	PERCENT OF CONSUMPTION				Consump-tion/ pro-duction ratio
		Coal	Petro-leum <sup>1</sup>	Natu-ral gas <sup>2</sup>	Other <sup>3</sup>		Coal	Petro-leum <sup>1</sup>	Natu-ral gas <sup>2</sup>	Other <sup>3</sup>	
1960 .....	41.5	26.1	36.0	34.0	3.9	43.8	22.5	45.5	28.3	3.8	1.06
1961 .....	42.0	24.9	36.2	34.9	4.0	44.5	21.6	45.5	29.1	3.8	1.06
1962 .....	43.6	25.0	35.6	35.1	4.2	46.5	21.3	45.2	29.5	4.0	1.07
1963 .....	45.9	25.8	34.8	35.4	4.0	48.3	21.5	44.9	29.8	3.7	1.05
1964 .....	47.7	26.2	33.9	35.8	4.0	50.5	21.7	44.2	30.3	3.8	1.06
1965 .....	49.3	26.5	33.5	35.8	4.3	52.7	22.0	44.1	29.9	4.0	1.07
1966 .....	52.2	25.8	33.7	36.4	4.1	55.7	21.8	43.8	30.5	3.8	1.07
1967 .....	55.0	25.1	33.9	36.5	4.4	57.6	20.7	43.9	31.2	4.2	1.05
1968 .....	56.8	24.0	34.0	37.6	4.4	61.0	20.2	44.2	31.5	4.1	1.07
1969 .....	59.1	23.5	33.1	36.7	4.8	64.2	19.3	44.1	32.2	4.4	1.09
1970 .....	62.1	23.5	32.9	36.9	4.7	66.4	18.5	44.4	32.8	4.3	1.07
1971 .....	61.3	21.5	32.7	40.5	5.3	67.9	17.1	45.0	33.1	4.8	1.11
1972 .....	62.4	22.6	32.1	39.7	5.6	71.3	16.9	46.2	31.9	5.0	1.14
1973 .....	62.1	22.5	31.4	39.9	6.2	74.3	17.5	48.9	30.3	5.3	1.20
1974 .....	60.8	23.1	30.5	36.9	7.4	72.5	17.5	46.1	30.0	6.5	1.19
1975 .....	59.9	25.0	29.6	36.8	8.6	70.5	17.9	46.4	28.3	7.4	1.18
1976 .....	59.9	26.1	28.8	36.4	8.6	74.4	18.3	47.3	27.4	7.1	1.24
1977 .....	60.2	26.2	29.0	36.4	8.5	76.3	18.2	48.7	26.1	7.0	1.27
1978 .....	61.1	24.4	30.2	35.6	9.9	76.1	17.6	48.6	25.6	8.1	1.28
1979 .....	63.8	27.5	28.4	35.0	9.1	78.9	19.1	47.1	26.2	7.7	1.24
1980 .....	64.8	28.7	28.2	34.2	8.9	76.0	20.3	45.0	26.8	7.8	1.17
1981 .....	64.4	28.5	26.2	34.2	9.1	74.0	21.5	43.2	26.9	8.4	1.15
1982 .....	63.9	29.2	26.7	32.0	10.2	70.8	21.8	42.7	26.1	8.8	1.11
1983 .....	61.2	28.2	30.1	30.6	11.2	70.5	22.8	42.6	24.6	10.2	1.15
1984 .....	65.8	30.0	28.6	30.7	10.7	74.1	23.0	41.9	25.0	10.0	1.13
1985 .....	64.8	30.0	29.3	29.6	11.3	74.0	23.6	41.8	24.1	10.4	1.14
1986 .....	64.3	30.3	26.6	29.0	12.1	73.9	23.4	43.1	22.4	11.1	1.15

<sup>1</sup> Production includes crude oil and lease condensate. Consumption includes domestically produced crude oil, natural gas liquids, and lease condensate, plus imported crude oil and products.    <sup>2</sup> Production includes natural gas liquids; consumption excludes natural gas liquids.    <sup>3</sup> Comprised of hydropower, nuclear power, geothermal energy and other.  
Source: U.S. Energy Information Administration, *Annual Energy Review*, and unpublished data.

## No. 900. ENERGY SUPPLY AND DISPOSITION, BY TYPE OF FUEL: 1960 TO 1986

[In quadrillion British thermal units (Btu), except percent. For Btu conversion factors, see text, section 19]

TYPE OF FUEL	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Production	41.5	62.1	62.1	59.9	61.1	63.8	64.8	64.4	63.9	61.2	65.8	64.6	64.3	
Crude oil <sup>1</sup>	14.9	20.4	19.5	17.7	18.4	18.1	18.2	18.1	18.3	18.4	18.9	19.0	18.4	
Natural gas liquids	1.5	2.5	2.8	2.4	2.2	2.3	2.3	2.3	2.2	2.2	2.3	2.2	2.2	
Natural gas <sup>2</sup>	12.7	21.7	22.2	19.6	19.5	20.1	19.9	19.7	18.3	16.5	17.9	18.9	18.6	
Coal	10.8	14.6	14.0	15.0	14.9	17.5	18.6	18.4	18.6	17.3	19.7	19.3	19.5	
Nuclear power	(2)	.2	.9	1.9	3.0	2.8	2.7	3.0	3.1	3.2	3.6	4.2	4.5	
Hydropower <sup>3</sup>	1.6	2.6	2.9	3.2	2.9	2.8	2.9	2.8	3.3	3.5	3.1	2.9	3.0	
Geothermal and other	(2)	(2)	(2)	1	1	1	1	1	1	1	2	2	2	
Net trade <sup>4</sup>	-2.7	-5.7	-12.7	-11.8	-17.3	-16.4	-12.2	-9.6	-7.5	-6.3	-9.0	-7.9	-10.1	
Exports	1.5	2.7	2.1	2.4	1.9	2.9	3.7	4.3	4.6	3.7	3.6	4.2	4.0	
Coal	1.0	1.9	1.4	1.8	1.1	1.9	2.4	2.9	2.8	2.0	2.2	2.4	2.3	
Imports <sup>5</sup>	4.2	8.4	14.7	14.1	19.3	19.6	16.0	14.0	12.1	12.0	12.6	12.1	14.1	
Crude oil	2.2	2.8	8.9	8.7	13.5	13.8	11.2	9.3	7.4	7.1	7.3	6.8	8.8	
Consumption	48.6	68.4	74.3	70.8	78.1	78.9	78.0	74.0	70.8	70.5	74.1	74.0	73.9	
Petroleum products	19.6	29.5	34.8	32.7	38.0	37.1	34.2	31.9	30.2	30.1	31.1	30.9	31.9	
Natural gas <sup>2</sup>	12.4	21.6	22.5	19.9	20.0	20.7	20.4	19.9	18.6	17.4	18.5	17.9	18.5	
Coal	8.6	12.3	13.0	12.7	13.8	15.0	15.4	15.9	15.3	15.9	17.1	17.5	17.3	
Nuclear power	(2)	.2	.9	1.9	3.0	2.8	2.7	3.0	3.1	3.2	3.6	4.2	4.5	
Hydropower <sup>3</sup>	1.7	2.7	3.0	3.2	3.1	3.1	3.1	3.1	3.6	3.9	3.7	3.4	3.5	
Geothermal and other	(2)	(2)	(2)	1	1	1	1	1	1	1	2	2	2	

2 Less than .50 trillion. <sup>1</sup> Includes lease condensate. <sup>2</sup> Dry marketed gas. <sup>3</sup> Exports minus imports. <sup>4</sup> Includes other types, not shown separately. <sup>5</sup> Includes industrial generation of hydropower and net electricity imports.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

## No. 900. SELECTED ENERGY INDICATORS—SUMMARY: 1960 TO 1986

[Btu—British thermal unit. For Btu conversion factors, see text, section 19]

year	ANNUAL AVERAGE PERCENT CHANGE <sup>1</sup>									PER CAPITA <sup>2</sup> (mil. Btu)		Con- sumption per dollar GNP <sup>3</sup> (1,000 Btu)
	Energy production				Energy consumption				GNP <sup>4</sup>	Energy pro- duction	Energy con- sumption	
	Total <sup>5</sup>	Crude oil <sup>6</sup>	Nat- ural gas	Coal	Total <sup>5</sup>	Petro- leum prod- ucts	Nat- ural gas (dry)	Coal				
1960	1.4	.7	6.3	-2.6	2.4	2.9	6.6	-2.5	2.2	231	243	26.3
1965	3.5	2.0	4.5	3.6	3.8	3.1	4.9	-3.3	4.8	255	272	25.2
1970	4.7	4.3	8.6	2.3	4.7	4.9	6.7	1.2	3.0	304	326	27.5
1971	-1.3	-1.8	2.8	-9.7	2.2	3.5	3.1	-5.4	2.8	298	328	27.3
1972	1.8	(2)	-.3	8.9	5.0	7.8	1.0	4.1	5.0	298	340	27.3
1973	-.8	-2.7	1	-.7	4.2	5.7	-.8	7.4	5.2	294	361	27.1
1974	-2.0	4.7	-4.4	.8	-2.3	-4.0	-3.5	-2.4	.6	286	340	26.6
1975	-1.6	-4.5	-7.4	6.5	-2.8	2.2	6.2	(2)	-1.3	278	327	26.2
1976	1	-2.7	-.6	4.4	5.4	7.5	2.0	7.3	4.9	275	342	26.3
1977	.5	1.1	.5	.8	2.8	5.5	-2.1	2.6	4.7	274	347	25.8
1978	1.5	5.6	.4	5.4	2.4	2.3	.4	-1.1	5.3	275	352	25.1
1979	4.4	1.8	3.0	17.8	1.0	-2.2	3.3	9.3	2.5	284	351	24.7
1980	1.5	.8	-.9	6.0	3.7	7.9	1.3	2.5	-.2	286	334	23.8
1981	.5	-.8	-1.1	1.2	2.6	-6.6	-2.3	3.1	1.9	281	322	22.8
1982	.8	9	7.4	1.4	4.3	-5.3	-7.1	-3.7	2.5	275	306	22.4
1983	-4.2	.5	-9.4	-7.5	-.5	-.8	6.2	3.6	3.5	261	300	21.5
1984	7.6	2.5	8.5	14.3	5.1	3.3	6.6	7.4	6.4	278	312	21.2
1985	-1.6	7	5.6	2.0	1	-.4	-3.6	2.4	2.7	271	309	20.6
1986, prel	-.8	3.4	2.5	.8	-.1	3.1	-7.4	-.8	2.5	267	307	20.1

2 Less than .05 percent. <sup>1</sup> Represents annual average for period of intervals shown; for 1960, change from 1955. Percent change derived from Btu values. Minus sign indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. <sup>2</sup> Includes types of fuel or power not shown separately. <sup>3</sup> Includes lease condensate. <sup>4</sup> Gross national product in constant (1982) dollars, see table 608. <sup>5</sup> Based on resident population estimated as of July 1.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

## NO. 907. ENERGY CONSUMPTION—END-USE SECTOR AND SELECTED SOURCE, BY STATE: 1995

(In trillions of Btu, except as indicated. For Btu conversion factors, see text, section 15. For composition of regions, see fig. 1, inside front cover)

REGION, DIVISION, AND STATE	Total <sup>1</sup>	Per cap- ita <sup>2</sup> (mil. Btu)	Percent change, 1994- 1995	END-USE SECTOR				SOURCE				
				Resi- dential	Com- mercial	Indus- trial	Trans- portation	Petro- leum	Natu- ral gas (dry)	Coal	Hydro- power	Nu- clear power
<b>U.S.</b>	<b>74,023</b>	<b>310</b>	<b>(2)</b>	<b>15,283</b>	<b>11,582</b>	<b>27,090</b>	<b>20,123</b>	<b>50,825</b>	<b>17,899</b>	<b>17,899</b>	<b>3,383</b>	<b>4,147</b>
<b>Region:</b>												
Northeast	11,523	231	.2	2,958	2,312	3,034	3,220	5,704	2,200	1,646	590	1,030
Midwest	18,868	319	.2	4,402	2,982	7,035	4,451	8,546	4,524	6,270	257	1,028
South	30,079	367	-.3	5,205	4,021	12,983	7,872	12,845	7,950	7,393	399	1,706
West	13,688	264	.5	2,700	2,286	4,021	4,563	6,032	3,189	1,911	2,115	387
<b>New England</b>	<b>2,746</b>	<b>317</b>	<b>2.3</b>	<b>781</b>	<b>688</b>	<b>674</b>	<b>824</b>	<b>1,886</b>	<b>365</b>	<b>175</b>	<b>123</b>	<b>294</b>
Maine	304	281	2.3	73	41	98	94	193	3	2	35	58
New Hampshire	200	200	2.2	51	49	49	53	111	11	2	21	-
Vermont	115	215	2.4	36	18	24	37	64	5	2	13	32
Massachusetts	1,240	213	1.8	382	274	221	383	782	224	111	47	86
Rhode Island	195	202	6.8	50	36	48	51	109	31	(2)	4	-
Connecticut	691	218	1.5	189	180	138	196	437	81	21	3	136
<b>Middle Atlantic</b>	<b>8,778</b>	<b>298</b>	<b>-.4</b>	<b>2,168</b>	<b>1,753</b>	<b>2,480</b>	<b>2,386</b>	<b>4,016</b>	<b>1,771</b>	<b>467</b>	<b>738</b>	<b>738</b>
New York	3,373	190	4.2	913	912	702	845	1,804	785	305	460	280
New Jersey	2,134	262	-.8	454	379	501	790	1,215	382	102	-3	192
Pennsylvania	3,271	278	-4.7	781	482	1,257	781	1,197	658	1,364	10	234
<b>East North Central</b>	<b>13,250</b>	<b>318</b>	<b>-.2</b>	<b>3,083</b>	<b>2,078</b>	<b>5,183</b>	<b>2,834</b>	<b>4,325</b>	<b>3,346</b>	<b>4,637</b>	<b>47</b>	<b>788</b>
Ohio	3,586	334	-1.5	789	521	1,524	755	1,130	704	1,304	2	21
Indiana	2,289	418	-1.1	412	243	1,116	818	745	436	1,182	4	-
Illinois	3,469	301	-2.1	839	673	1,229	728	1,138	989	801	1	423
Michigan	2,612	287	3.9	679	407	913	812	854	745	785	14	146
Wisconsin	1,292	271	2.1	344	226	411	311	455	311	395	26	119
<b>West North Central</b>	<b>5,518</b>	<b>328</b>	<b>1.1</b>	<b>1,336</b>	<b>912</b>	<b>1,842</b>	<b>1,827</b>	<b>2,223</b>	<b>1,279</b>	<b>1,729</b>	<b>219</b>	<b>338</b>
Minnesota	1,224	282	1.0	302	186	402	333	495	259	228	38	111
Iowa	820	318	-1	226	148	326	220	341	227	266	21	21
Missouri	1,477	293	1.2	399	259	390	430	579	259	521	31	87
North Dakota	301	440	13.7	55	33	145	69	119	29	307	50	-
South Dakota	192	271	3.4	51	28	47	65	88	25	111	55	-
Nebraska	497	310	-1.0	125	105	127	141	185	125	115	15	45
Kansas	1,007	411	-.8	181	153	405	289	395	355	280	(2)	42
<b>South Atlantic</b>	<b>18,829</b>	<b>388</b>	<b>1.4</b>	<b>2,411</b>	<b>1,825</b>	<b>3,343</b>	<b>3,351</b>	<b>4,888</b>	<b>1,531</b>	<b>3,633</b>	<b>128</b>	<b>1,285</b>
Delaware	205	330	-2.0	37	27	58	56	120	38	72	-	-
Maryland	1,129	257	1.1	274	152	388	316	487	156	284	18	107
District of Columbia	185	266	-1	35	70	30	30	40	29	4	-	-
Virginia	280	280	3.1	386	310	419	500	671	145	304	9	241
West Virginia	735	379	-7.1	124	78	379	154	247	129	682	11	-
North Carolina	1,681	268	.5	382	264	542	482	685	139	555	42	289
South Carolina	994	298	1	181	138	400	285	345	101	258	19	344
Georgia	1,771	296	2.2	263	574	589	754	290	727	29	110	110
Florida	2,553	225	5.4	647	533	425	949	1,288	303	487	3	254
<b>East South Central</b>	<b>5,046</b>	<b>333</b>	<b>-2.6</b>	<b>1,011</b>	<b>717</b>	<b>1,978</b>	<b>1,342</b>	<b>1,817</b>	<b>841</b>	<b>2,073</b>	<b>181</b>	<b>367</b>
Kentucky	1,182	320	-3.2	254	170	446	321	485	183	713	-	-
Tennessee	1,839	344	1.7	350	271	585	432	582	187	588	86	106
Alabama	1,394	348	1.2	252	173	633	335	453	226	683	71	165
Mississippi	815	312	-1.9	155	103	304	254	337	233	108	-	47
<b>West South Central</b>	<b>14,218</b>	<b>536</b>	<b>-1.6</b>	<b>1,788</b>	<b>1,478</b>	<b>7,778</b>	<b>3,179</b>	<b>4,220</b>	<b>5,778</b>	<b>1,811</b>	<b>181</b>	<b>134</b>
Arkansas	782	323	-1.9	155	104	299	204	303	199	220	48	107
Louisiana	3,186	710	-6.1	289	250	2,081	598	1,446	1,446	159	-	27
Oklahoma	1,339	406	-1.0	287	198	532	342	465	812	237	41	-
Texas	8,924	545	1.0	1,072	927	4,866	2,037	4,099	3,521	1,171	14	-
<b>Mountain</b>	<b>4,043</b>	<b>316</b>	<b>1.3</b>	<b>838</b>	<b>708</b>	<b>1,318</b>	<b>1,583</b>	<b>1,583</b>	<b>688</b>	<b>1,788</b>	<b>488</b>	<b>12</b>
Montana	347	420	4.8	84	55	145	62	160	47	99	106	-
Idaho	347	346	2.0	80	70	116	80	106	41	9	113	-
Wyoming	351	689	2.9	40	36	208	70	128	87	408	11	-
Colorado	864	273	.4	219	215	174	278	333	223	300	24	-
New Mexico	458	316	-5.0	87	70	159	182	217	159	288	1	-
Arizona	621	257	3.7	170	157	200	293	318	136	345	145	111
Utah	529	322	1.0	115	82	219	133	185	124	204	11	-
Nevada	306	327	1.2	85	41	89	112	135	42	126	45	-
<b>Pacific</b>	<b>9,535</b>	<b>379</b>	<b>.2</b>	<b>1,880</b>	<b>1,880</b>	<b>2,711</b>	<b>3,378</b>	<b>4,446</b>	<b>2,340</b>	<b>183</b>	<b>1,888</b>	<b>378</b>
Washington	1,882	379	1.5	400	310	552	552	588	140	94	808	57
Oregon	804	379	1.7	187	142	220	245	318	86	10	474	75
California	6,359	379	.2	1,219	1,036	1,882	2,409	3,088	1,888	43	370	213
Alaska	448	659	-4.8	43	51	200	154	221	215	6	8	-
Hawaii	232	221	6.7	21	19	47	145	228	3	-	1	-

- Represents zero. Z Less than 500 billion or .05 percent. <sup>1</sup> Sources of energy includes geothermal, wood and waste, and net interstate sales of electricity, including losses, not shown separately. <sup>2</sup> Based on estimated resident population as of July 1. <sup>3</sup> Includes -13.5 trillion Btu of net imports of coke not allocated by State. <sup>4</sup> Minus sign (-) indicates when amount of energy expended for pump storage hydropower exceeds amount of energy consumed.

Source: U.S. Energy Information Administration, *State Energy Data Report, 1990-1995*.

## No. 908. PRIMARY ENERGY CONSUMPTION BY END-USE SECTOR: 1960 TO 1986

(For definition of Btu, see text, section 19)

SECTOR	1960	1970	1973	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, pred.
Total consumption (quad.)	43.8	66.4	74.3	70.6	76.1	76.9	76.0	74.6	70.8	70.5	74.1	74.6	73.9
Residential and commercial	6.7	12.1	12.3	11.6	11.9	11.5	10.7	10.0	10.1	9.7	10.1	9.8	9.7
Industrial and miscellaneous	16.3	21.9	23.6	20.4	21.9	22.8	21.0	19.7	17.4	16.7	18.2	17.5	16.7
Transportation	10.6	18.0	18.5	18.2	20.6	20.4	19.7	19.5	19.0	19.1	19.8	20.1	20.7
Electricity generation	6.2	15.3	19.9	20.3	23.7	24.1	24.5	24.6	24.3	24.9	26.0	26.5	26.8
Percent of total:													
Residential and commercial	20.0	18.3	16.5	16.4	15.3	14.8	14.1	13.6	14.2	13.8	13.6	13.2	13.1
Industrial and miscellaneous	37.1	32.9	31.7	28.9	28.0	28.9	27.7	26.6	24.6	23.7	24.5	23.7	22.8
Transportation	24.1	24.2	25.0	25.8	26.3	25.9	26.9	26.3	26.9	27.1	26.8	27.2	28.0
Electricity generation	16.7	24.5	26.7	28.8	30.4	30.6	32.3	33.5	34.2	35.4	35.1	35.8	36.3

Source: U.S. Energy Information Administration, *Annual Energy Review*.

## No. 909. ENERGY CONSUMPTION, BY SECTOR AND PRIMARY SOURCE: 1986

(In trillions of Btu. For definition of Btu, see text, section 19)

SECTOR	Total <sup>1</sup>	Coal <sup>2</sup>	Natural gas, dry	Petroleum <sup>3</sup>	Hydroelectric <sup>4</sup>	Nuclear power	Other <sup>5</sup>	Electricity distributed <sup>6</sup>	Electric energy loss <sup>7</sup>
Final consuming sectors	73,870	2,802	13,626	30,435	33	(x)	-17	6,110	18,673
Residential and commercial	27,244	179	6,986	2,573	(x)	(x)	-	5,306	12,217
Industrial	25,924	2,623	6,363	7,704	33	(x)	-17	2,791	6,428
Transportation	20,695	-	465	20,158	(x)	(x)	-	13	30
Electric utilities	20,784	14,462	2,701	1,452	3,462	4,475	232	(x)	(x)

- Represents zero. X Not applicable. <sup>1</sup> Total may not equal sum of components due to independent rounding of the components. <sup>2</sup> Represents anthracite, bituminous coal, and lignite. <sup>3</sup> Includes petroleum products, still gas, liquefied refinery gas, and natural gas liquids. <sup>4</sup> Industrial sector is hydroelectricity produced by the industrial sector. Electric utilities sector includes net imports of electricity. <sup>5</sup> Industrial sector includes net imports of coal coke. Electric utilities sector includes electricity produced from geothermal, wood, waste, wind, solar thermal, and photovoltaic sources. <sup>6</sup> Electrical energy used by railroads, and for street and highway lighting, is included in transportation sector. <sup>7</sup> Losses allocated by final end-use sector in proportion to their direct kilowatt hour usage.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, January 1988.

## No. 910. ENERGY EXPENDITURES AND AVERAGE FUEL PRICES, BY SOURCE AND SECTOR: 1970 TO 1986

(For definition of Btu, see text, section 19. End-use sector and electric utilities exclude expenditures and prices on energy sources such as hydropower, solar, wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations.)

SOURCE AND SECTOR	1970	1976	1980	1981	1982	1983	1984	1986
EXPENDITURES (mil. dol.)								
Total <sup>1,2</sup>	82,567	171,549	374,704	438,064	426,167	417,139	436,737	441,045
Natural gas	10,891	20,059	51,016	60,486	68,203	71,923	77,048	72,901
Petroleum products <sup>3</sup>	48,074	103,628	239,262	286,782	243,837	222,886	225,714	223,572
Motor gasoline	31,588	58,447	124,404	136,139	130,309	118,096	114,444	118,308
Distillate fuel oil	8,255	15,683	40,783	46,200	44,118	40,403	42,984	41,505
Jet fuel	1,440	4,194	13,924	15,608	14,974	13,940	15,084	14,745
Residual fuel	2,046	10,360	21,563	22,672	17,623	14,093	14,389	11,494
Coal	4,582	13,044	22,636	26,191	26,391	27,064	29,052	29,686
Electricity sales	23,350	50,883	98,099	116,453	127,393	134,745	147,895	154,530
Residential sector	20,083	36,845	68,828	77,915	86,820	92,054	96,692	101,372
Commercial sector	10,670	22,835	46,863	55,365	61,239	64,625	70,038	71,443
Industrial sector	16,344	40,780	95,018	109,428	104,081	101,457	111,798	107,798
Transportation sector <sup>3</sup>	35,471	71,089	163,976	185,357	174,016	158,802	156,208	160,432
Motor gasoline	30,517	57,893	121,805	135,395	127,953	116,071	112,051	115,459
Electric utilities	4,313	16,396	37,427	43,269	41,303	41,300	43,345	42,522
AVERAGE FUEL PRICES (dol. per mil. Btu)								
All sectors	1.08	2.20	4.80	5.27	5.36	5.15	5.09	4.81
Residential sector	2.12	3.83	7.55	8.92	9.91	10.81	11.15	11.42
Commercial sector	1.97	4.08	7.68	9.55	10.43	11.03	11.44	11.89
Industrial sector	.83	2.21	4.77	5.80	6.14	6.26	6.29	6.19
Transportation sector	2.33	4.03	8.64	9.88	9.45	8.54	8.20	8.20
Electric utilities	.32	.98	1.75	2.00	2.01	1.97	1.97	1.86

<sup>1</sup> Includes electricity sales; excludes electricity generation. <sup>2</sup> Includes sources or fuel types not shown separately.Source: U.S. Energy Information Administration, *State Energy Price and Expenditure Report*, annual.



## No. 911. ENERGY EXPENDITURES—SOURCE AND END-USE SECTOR, BY STATE: 1985

(In millions of dollars, except per capita and percents. End-use sector and electric utilities exclude expenditures on energy sources such as hydropower, solar wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations)

DIVISION AND STATE	Total <sup>1</sup>	Per capita <sup>2</sup> (dol.)	Percent change, 1984-1985	SOURCE					END-USE SECTOR			
				Petroleum products		Natural gas	Coal	Electricity sales	Residential	Commercial	Industrial	Transportation
				Total	Gasoline							
U.S.	441,045	1,847	.5	223,572	118,308	72,801	29,866	154,530	101,372	71,443	107,798	160,432
N. Eng.	21,033	1,882	.3	12,356	8,025	2,284	362	7,753	8,384	4,086	3,227	7,226
ME	2,061	1,787	4.7	1,391	816	19	6	737	544	281	423	813
NH	1,538	1,539	1.6	944	505	70	76	578	203	283	505	505
VT	868	1,818	3.7	545	291	26	4	291	267	127	133	338
MA	9,478	1,828	-1.9	5,483	2,853	1,385	225	3,344	2,873	1,980	1,343	3,280
RI	1,478	1,528	3.9	819	417	205	-	481	478	288	278	455
CT	5,614	1,770	.8	3,174	1,543	577	49	-	1,735	1,228	888	1,784
Md. Atl.	61,846	1,868	1.9	29,206	14,766	10,418	2,999	23,754	17,808	19,346	11,433	19,287
NY	25,713	1,449	4.5	11,782	6,317	4,537	553	10,808	7,878	7,327	3,275	7,232
NJ	15,798	2,089	.4	8,502	3,553	2,359	183	6,338	3,987	3,000	2,847	5,982
PA	20,137	1,897	-1.9	8,941	4,835	3,422	2,223	7,512	5,744	3,019	5,211	6,183
E. No. Cent.	78,583	1,887	.3	33,827	19,894	16,408	6,386	28,881	18,866	12,389	21,227	26,943
OH	20,863	1,923	-1.9	8,915	5,228	3,941	2,396	7,308	5,182	3,100	5,885	6,517
IN	11,928	2,189	-7	5,378	-	1,992	2,107	3,812	2,545	1,269	3,876	4,139
IL	21,408	1,855	-	8,825	5,291	4,847	1,701	7,821	5,594	4,148	5,281	-
MI	18,571	1,823	4.3	7,096	4,473	3,878	1,508	-	4,388	2,582	4,271	5,328
WI	8,023	1,680	.8	3,815	2,293	1,850	646	2,456	-	1,272	1,785	2,780
W. No. Cent.	33,088	1,888	-4	17,118	8,817	5,288	2,837	10,222	7,982	4,847	7,888	12,681
MN	7,394	1,784	.4	3,919	2,345	1,275	345	2,148	1,837	980	1,841	2,828
IA	6,839	1,857	-1.8	2,712	1,575	1,003	407	1,863	1,430	878	1,452	1,881
MO	9,050	1,797	1.7	4,619	2,710	1,284	786	3,201	2,372	-	1,786	-
ND	1,635	2,387	6.9	880	447	315	452	391	318	170	501	588
SD	1,253	1,789	1.8	786	454	128	48	330	318	146	228	588
NE	2,950	1,838	-1.2	1,574	905	524	138	848	885	507	573	1,184
KS	5,177	2,113	-4.4	2,728	1,381	858	367	1,541	1,028	781	1,448	1,942
So. Atl.	88,003	1,718	1.9	33,828	21,275	8,442	6,501	27,542	18,547	10,948	13,802	27,788
DE	1,284	2,064	7	771	375	181	133	429	302	188	308	489
MD	7,303	1,882	-2	3,708	2,278	-	465	2,838	1,807	982	1,827	2,777
DC	1,147	1,841	-5	330	203	211	8	888	250	481	167	288
VA	8,808	1,720	2.4	5,310	3,082	787	543	3,550	-	1,888	1,808	4,171
WV	3,717	1,919	-4.8	1,848	886	518	1,421	1,094	700	413	1,407	1,197
NC	10,885	1,708	1.1	5,401	3,388	708	1,093	3,311	2,528	1,472	2,481	4,203
SC	5,805	1,741	.8	2,788	1,758	485	486	2,443	1,265	794	1,585	2,211
GA	10,823	1,811	.9	5,886	3,356	-	-	3,581	2,171	1,503	2,532	4,617
FL	18,421	1,821	5.8	8,708	5,953	1,391	890	8,711	5,082	3,482	1,788	7,772
E. So.	27,701	1,831	-7	13,851	7,833	3,188	3,588	18,425	8,578	3,818	7,784	10,888
KY	8,391	1,714	-2.0	3,481	1,851	716	1,053	2,048	1,401	712	1,787	2,511
TN	8,984	1,880	.3	4,381	2,710	823	911	3,635	1,843	1,404	2,408	3,308
AL	7,901	-	-1.6	3,453	2,084	953	1,331	3,210	1,630	1,087	2,484	2,711
MS	4,445	1,700	.5	2,378	1,288	885	273	1,534	882	602	1,125	1,827
W. So.	78,372	2,862	-1.7	38,438	18,084	16,212	2,857	38,888	11,418	8,481	27,728	22,744
AR	4,400	1,884	-1.3	2,250	-	670	351	1,497	978	588	1,228	1,818
LA	13,543	3,019	-4.1	-	2,426	3,138	339	3,477	1,818	1,433	6,308	3,884
OK	8,786	2,053	1.0	3,388	1,942	1,631	389	2,351	1,484	1,038	1,844	2,813
TX	45,643	2,788	-1.3	28,088	-	9,775	1,868	13,579	7,127	5,453	18,111	14,528
Wt.	22,885	1,788	1.4	11,841	7,007	3,116	2,118	7,888	4,980	3,884	4,487	8,884
MT	1,705	2,087	4.4	1,074	480	195	74	430	301	243	483	678
ID	1,704	1,897	2.7	882	522	193	18	634	356	284	388	685
WY	1,425	2,794	-3	810	-	180	405	376	207	171	617	530
CO	5,310	1,842	.3	2,822	1,742	938	351	1,742	-	1,128	880	2,272
NM	2,612	1,800	-3.8	1,825	880	382	294	723	489	488	528	1,143
AZ	5,474	1,715	4.7	2,588	1,723	581	471	2,388	1,278	1,028	857	2,312
UT	2,770	1,684	7	1,314	777	441	304	919	-	-	-	1,081
NV	1,895	2,022	1.7	1,037	537	225	204	887	415	231	376	873
Pac.	58,738	1,828	2.8	30,411	18,488	18,838	284	18,385	10,945	8,855	18,381	28,788
WA	7,337	1,885	-	3,981	2,153	672	-	2,650	1,579	1,152	1,308	3,308
OR	4,434	1,851	.5	2,378	1,384	447	22	1,803	848	-	873	1,883
CA	41,286	1,588	2.4	21,138	12,288	9,214	98	14,132	7,934	7,348	7,882	18,311
AK	1,755	3,282	7.7	1,373	281	168	8	283	240	240	180	1,084
HI	1,927	1,834	2.1	1,535	444	38	-	887	244	222	330	1,131

- Represents zero. <sup>1</sup> Includes sources not shown separately. Total expenditures are the sum of purchases for each source (including electricity sales) less electric utility purchases of fuel. <sup>2</sup> Based on estimated resident population as of July 1. <sup>3</sup> Includes net imports of coal coke not shown separately by State.

Source: U.S. Energy Information Administration, *State Energy Price and Expenditure Report*, annual.

### No. 912. RESIDENTIAL ENERGY CONSUMPTION, EXPENDITURES, AND AVERAGE PRICES, 1979 TO 1985, AND BY REGION, 1985

(For period April to March of year stated. Excludes Alaska and Hawaii in 1979 and 1980. Covers occupied units only. Excludes household usage of gasoline for transportation and the use of wood or coal. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. 1, inside front cover. Btu=British thermal unit; see text, section 10.)

TYPE OF FUEL	Unit	1979, all house- holds	1980, all house- holds	1981, all house- holds	1982, all house- holds	1983, all house- holds	1985				
							All house- holds	North- east	Mid- west	South	Total
CONSUMPTION											
Total	Quad. Btu	10.88	9.74	9.32	9.51	9.82	9.04	2.29	2.89	2.89	1.46
Avg. per household	mil. Btu	138	128	114	114	103	105	125	129	85	86
Natural gas	Quad. Btu	5.56	5.31	4.84	5.30	4.77	4.88	.83	1.88	1.15	.91
Electricity	Quad. Btu	2.47	2.42	2.48	2.48	2.42	2.48	.41	.55	1.06	.47
Fuel oil, kerosene	Quad. Btu	2.19	1.71	1.65	1.33	1.14	1.28	.93	.13	.16	.04
Liquid petroleum gas	Quad. Btu	.33	.31	.36	.31	.29	.31	.03	.13	.12	.03
EXPENDITURES											
Total	Bil. dol.	85.5	83.2	74.6	85.0	87.8	87.9	25.4	25.1	38.9	14.6
Avg. per household	Dollars	724	815	917	1,022	1,048	1,123	1,443	1,160	1,055	852
Natural gas	Bil. dol.	15.3	17.8	19.3	24.5	27.1	29.8	6.8	11.1	6.7	5.1
Electricity	Bil. dol.	29.9	32.5	40.1	45.9	48.4	54.5	12.2	11.8	21.7	8.8
Fuel oil, kerosene	Bil. dol.	8.6	10.7	12.5	11.8	9.6	9.6	7.0	1.0	1.3	.3
Liquid petroleum gas	Bil. dol.	1.7	2.1	2.9	2.7	2.7	3.1	.4	1.2	1.2	.4
AVERAGE PRICE (per million Btu)											
Total	Dollars	5.25	6.48	8.03	8.93	10.16	10.73	11.52	8.68	12.80	16.82
Natural gas	Dollars	2.74	3.36	3.90	4.55	5.67	5.97	7.49	5.59	5.81	5.55
Electricity	Dollars	12.10	13.48	16.32	18.51	19.88	22.89	28.77	21.84	20.39	18.94
Fuel oil, kerosene	Dollars	3.93	6.29	8.04	8.89	8.42	7.82	7.54	7.67	8.14	7.85
Liquid petroleum gas	Dollars	5.09	6.71	7.82	8.74	9.42	10.00	13.11	8.67	10.39	10.55

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, annual through 1983; beginning 1985, *Interim*.

### No. 913. RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES, BY TYPE OF FUEL AND SELECTED HOUSEHOLD CHARACTERISTIC: 1985

(For period April 1984 to March 1985. Quad.=quadrillion. See headnote, table 912.)

CHARACTERISTIC	CONSUMPTION (Btu's)					EXPENDITURES				
	Total <sup>1</sup> (quad.)	Avg. per house- hold <sup>2</sup> (mil.)	Nat- ural gas (quad.)	Elec- tricity (quad.)	Fuel oil <sup>3</sup> (quad.)	Total <sup>1</sup> (bil. dol.)	Avg. per house- hold <sup>2</sup> (dol.)	Gas <sup>4</sup> (bil. dol.)	Elec- tricity (bil. dol.)	Fuel oil <sup>5</sup> (bil. dol.)
Total households	9.04	105	4.98	2.48	1.26	87.0	1,123	29.8	54.5	8.6
Single family detached	6.27	117	3.45	1.80	.77	67.1	1,255	20.2	38.5	6.1
Single family attached	.45	112	.28	.11	.07	5.1	1,256	1.7	2.7	.6
2-4 unit building	.97	97	.64	.17	.16	9.5	950	4.1	4.2	1.3
5 or more unit building	.97	71	.51	.25	.21	10.3	781	3.1	5.9	1.3
Mobile home	.37	73	.12	.15	.04	4.9	947	.8	3.2	.3
<b>Year house built:</b>										
1939 or earlier	3.16	126	1.88	.54	.64	30.5	1,212	11.6	13.0	4.9
1940-1949	.74	106	.42	.17	.13	7.7	1,092	2.6	3.9	1.0
1950-1959	1.36	107	.80	.34	.18	14.1	1,120	4.7	7.7	1.4
1960-1964	.75	101	.40	.23	.08	8.2	1,098	2.3	4.9	.7
1965-1969	.82	86	.45	.27	.07	9.3	1,126	2.7	5.6	.6
1970-1974	.96	90	.49	.38	.05	11.5	1,079	2.9	7.7	.4
1975-1979	.88	87	.38	.41	.07	11.1	1,100	2.1	8.3	.5
1980 or later	.37	74	.15	.16	.03	4.5	903	.8	3.3	.2
<b>Heating and cooling degree day zones:<sup>6</sup></b>										
Less than 2,000 HDD and—										
More than 7,000 HDD	1.03	114	.58	.22	.17	9.6	1,067	3.1	4.5	1.3
5,500-7,000 HDD	2.90	135	1.67	.55	.42	27.6	1,283	11.0	12.8	3.3
4,000-5,499 HDD	2.50	111	1.22	.63	.59	27.3	1,212	8.0	14.3	4.4
Less than 4,000 HDD	1.65	82	.93	.59	.05	18.1	905	5.3	11.8	.5
More than 2,000 CDD and less than 4,000 HDD	.87	73	.41	.50	(8)	14.4	1,081	2.4	11.3	(8)
<b>1984 family income:</b>										
Less than \$5,000	.71	80	.42	.16	.10	7.0	891	2.4	3.5	.7
\$5,000-\$9,999	1.32	95	.70	.31	.23	13.5	964	4.1	6.8	1.8
\$10,000-\$14,999	1.21	92	.67	.32	.17	12.6	965	3.9	7.6	1.3
\$15,000-\$19,999	.80	100	.44	.23	.14	9.4	1,043	2.9	5.0	1.0
\$20,000-\$24,999	.84	101	.45	.24	.12	9.0	1,080	2.7	5.1	.9
\$25,000-\$34,999	1.85	108	.90	.50	.21	18.2	1,189	5.4	10.7	1.7
\$35,000-\$49,999	1.28	121	.70	.40	.16	14.5	1,368	4.3	8.8	1.3
\$50,000 or more	1.13	139	.67	.33	.11	12.7	1,568	4.0	7.7	.8

<sup>1</sup> Base figure too small to meet statistical standards for reliability of derived figure. <sup>2</sup> Includes liquid petroleum gas, not shown separately. <sup>3</sup> Includes kerosene. <sup>4</sup> CDD=Cooling degree day; HDD=Heating degree day.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, April 1984 through March 1985.

NO. 914. AVERAGE RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES OF ALL FUELS USED, BY MAIN HEATING FUEL TYPE AND HOUSEHOLD CHARACTERISTIC: 1985

[For period April 1984 through March 1985. See headnote, table 912]

HOUSEHOLD CHARACTERISTIC	CONSUMPTION PER HOUSEHOLD (mil. Btu)					EXPENDITURES PER HOUSEHOLD (dollars)				
	All households <sup>1</sup>	Households using as main heating fuel—				All households <sup>1</sup>	Households using as main heating fuel—			
		Natural gas	Electricity		Fuel oil <sup>2</sup>		Natural gas	Electricity		Fuel oil <sup>2</sup>
			With air conditioning	With-out air conditioning				With air conditioning	With-out air conditioning	
Total households .....	106	124	56	53	126	1,123	1,119	1,071	863	1,422
Region:										
Northeast .....	125	136	61	52	137	1,443	1,421	1,476	1,233	1,535
Midwest .....	129	142	70	72	124	1,160	1,154	1,151	1,284	1,266
South .....	85	115	54	43	90	1,055	1,121	1,047	811	1,155
West .....	85	99	54	53	121	852	873	916	706	1,124
Type:										
Single-family detached .....	117	140	70	64	137	1,255	1,272	1,289	1,046	1,582
Single-family attached .....	112	118	66	(B)	142	1,256	1,195	1,221	(B)	1,573
2-4 unit building .....	97	101	44	45	124	950	903	816	614	1,377
5 or more unit building .....	71	63	35	37	105	761	705	743	604	1,040
Mobile home .....	73	102	47	54	78	947	922	960	967	1,000
Year constructed:										
1939 or earlier .....	126	136	64	56	136	1,212	1,177	929	809	1,502
1940 to 1949 .....	106	114	61	(B)	130	1,092	1,030	1,231	(B)	1,473
1950 to 1959 .....	107	119	66	40	116	1,120	1,101	1,290	622	1,366
1960 to 1964 .....	101	118	54	49	104	1,096	1,147	1,038	792	1,128
1965 to 1969 .....	99	121	56	49	122	1,126	1,162	1,075	797	1,463
1970 to 1974 .....	90	119	50	56	102	1,079	1,128	987	1,061	1,303
1975 to 1979 .....	87	119	61	53	116	1,100	1,078	1,163	916	1,418
1980 or later .....	74	92	47	57	112	903	827	918	913	1,190
1984 family income:										
Less than \$5,000 .....	90	112	39	40	104	891	913	771	693	1,119
\$5,000-\$9,999 .....	95	115	40	48	115	984	967	772	777	1,227
\$10,000-\$14,999 .....	92	106	49	50	118	965	927	960	734	1,280
\$15,000-\$19,999 .....	100	117	46	48	119	1,043	1,023	937	681	1,352
\$20,000-\$24,999 .....	101	113	56	61	129	1,060	1,014	1,040	1,060	1,464
\$25,000-\$34,999 .....	106	127	61	61	137	1,189	1,184	1,140	923	1,541
\$35,000-\$49,999 .....	121	136	75	62	145	1,368	1,331	1,401	1,124	1,742
\$50,000 or more .....	139	164	67	66	152	1,566	1,606	1,329	1,136	1,832

B Base figure too small to meet statistical standards for reliability of derived figure. <sup>1</sup> Includes households using liquid petroleum gas, not shown separately. <sup>2</sup> Includes kerosene.

Source: U.S. Energy Information Administration, Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.

NO. 915. RESIDENTIAL ENERGY EXPENDITURES, BY TYPE OF END USE AND HOUSING CHARACTERISTIC: 1985

[For period April 1984 through March 1985. See headnote, table 912]

CHARACTERISTIC	EXPENDITURES (bil. dol.)					AVERAGE EXPENDITURE PER HOUSEHOLD (dollars)				
	All and uses	End use				All and uses	End use			
		Space heating	Cooling	Water heating	Other <sup>1</sup>		Space heating	Cooling	Water heating	Other <sup>1</sup>
Total households .....	97.0	36.9	7.5	14.7	37.8	1,123	427	97	171	436
Type:										
Single-family detached .....	67.1	24.7	5.1	10.2	27.1	1,255	462	96	191	506
Single-family attached .....	5.1	2.2	.4	.7	1.9	1,256	531	95	174	466
2 to 4 unit building .....	9.5	4.2	.4	1.3	3.5	950	424	40	134	363
5 or more unit building .....	10.3	4.0	1.3	1.6	3.5	761	296	94	115	255
Mobile home .....	4.9	1.7	.3	.9	1.9	947	339	64	177	366
Year constructed:										
1939 or earlier .....	30.5	14.3	1.1	4.1	11.1	1,212	566	44	162	440
1940 to 1949 .....	7.7	3.0	.5	1.2	2.9	1,092	431	76	167	416
1950 to 1959 .....	14.1	5.1	1.1	2.2	5.8	1,120	403	85	174	456
1960 to 1964 .....	8.2	2.6	.8	1.3	3.4	1,096	355	113	171	469
1965 to 1969 .....	9.3	2.9	1.0	1.4	3.9	1,126	356	126	170	472
1970 to 1974 .....	11.5	3.9	1.3	1.9	4.4	1,079	366	121	178	414
1975 or later .....	15.7	5.0	1.6	2.7	6.3	1,035	331	109	179	416
1984 family income:										
Less than \$5,000 .....	7.0	3.1	.3	1.1	2.5	891	362	43	136	319
\$5,000-\$9,999 .....	13.5	5.9	.7	2.0	4.8	964	426	52	141	346
\$10,000-\$14,999 .....	12.6	4.8	1.0	2.0	4.8	965	366	76	155	366
\$15,000-\$19,999 .....	9.4	3.6	.7	1.5	3.6	1,043	401	72	171	365
\$20,000-\$24,999 .....	9.0	3.5	.6	1.4	3.5	1,060	422	74	165	419
\$25,000-\$34,999 .....	16.2	6.6	1.6	2.6	7.3	1,169	426	102	190	479
\$35,000-\$49,999 .....	14.5	5.0	1.3	2.2	6.0	1,366	474	118	211	566
\$50,000 or more .....	12.7	4.3	1.4	1.7	5.2	1,566	535	173	215	646

- Represents zero. NA Not applicable. <sup>1</sup> Appliance usage.  
Source: U.S. Energy Information Administration, Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.

No. 916. COMMERCIAL BUILDINGS—ENERGY CONSUMPTION AND EXPENDITURES, BY MAJOR FUEL TYPE USED: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see also tables 1237-1239. Quad. = quadrillion]

ITEM	Unit	All major fuels	Elec- tricity	Natu- ral gas	Fuel oil	Pro- pane	Pur- chased steam
Number of buildings using the fuel.....	1,000.....	3,774	3,784	2,239	538	250	59
Square footage of floorspace.....	Million.....	51,280	51,148	36,096	10,205	2,721	4,538
Square footage per building.....	1,000.....	13.6	13.6	16.1	19.0	10.9	77.5
Energy consumed, total.....	Quad. Btu.....	5,150	2,237	2,227	.354	.038	.294
Energy consumed per building.....	Mill. Btu.....	1,394	594	994	859	150	5,028
Energy consumed per square foot of floorspace.....	1,000 Btu.....	100	44	62	35	14	85
Energy consumed per employee.....	Mill. Btu.....	68	29	42	22	9	36
Expenditures, total.....	Mill. dol.....	59,242	41,554	12,284	2,399	362	2,663
Expenditures per building.....	\$1,000.....	15.7	11.0	5.5	4.4	1.4	45.8
Expenditures per square foot of floorspace.....	Dollars.....	1.16	.81	.34	.23	.13	.59
Expenditures per million Btu of energy consumed.....	Dollars.....	11.50	18.56	5.52	6.89	9.36	9.12

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983*.

No. 917. COMMERCIAL BUILDINGS—ENERGY CONSUMPTION AND EXPENDITURES: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see tables 1237-1239]

BUILDING CHARACTERISTIC	ALL BUILDINGS USING ANY MAJOR FUEL		CONSUMPTION (quadrillion Btu)			EXPENDITURES (mil. dol.)		
	Num- ber (1,000)	Square feet (mil.)	Major fuel, total <sup>1</sup>	Elec- tricity	Natural gas	Major fuel, total <sup>1</sup>	Elec- tricity	Natural gas
All buildings.....	3,774	51,280	5,150	2,237	2,227	59,242	41,554	12,284
Year constructed:								
1900 or before.....	279	2,884	.194	.051	.097	2,149	1,269	583
1901 to 1920.....	369	5,228	.354	.112	.170	3,918	2,409	954
1921 to 1945.....	685	8,269	.848	.295	.384	9,355	5,874	2,183
1946 to 1960.....	663	9,434	.938	.362	.424	10,408	6,909	2,309
1961 to 1970.....	700	9,873	1,099	.496	.464	12,713	9,041	2,491
1971 to 1973.....	207	3,411	.366	.199	.136	4,742	3,736	761
1974 to 1979.....	517	6,550	.861	.423	.379	10,004	7,472	2,114
1980 to 1983.....	135	5,631	.491	.298	.172	5,954	4,904	889
Principal activity within building:								
Assembly.....	452	5,475	.377	.121	.197	4,147	2,553	1,094
Educational.....	177	6,044	.464	.155	.246	4,843	2,989	1,317
Food sales/services.....	380	2,050	.437	.222	.193	5,510	4,176	1,139
Health care.....	61	2,277	.465	.147	.219	4,385	2,487	1,115
Lodging.....	108	2,241	.385	.151	.171	3,932	2,714	875
Mercantile/services.....	1,055	10,347	.838	.434	.337	10,338	7,836	1,989
Office.....	575	8,444	1,039	.521	.371	13,097	9,866	2,031
Residential.....	235	2,442	.179	.042	.095	1,856	970	595
Warehouse.....	367	6,700	.508	.208	.248	5,530	3,786	1,358
Other.....	167	2,738	.276	.151	.076	3,377	2,564	405
Vacant.....	180	2,522	.184	.086	.073	2,226	1,634	384
Region:								
Northeast.....	653	11,413	.954	.345	.314	13,580	9,031	2,143
Midwest.....	1,157	15,718	1,922	.697	1,044	18,991	12,110	5,542
South.....	1,415	16,683	1,583	.649	.550	19,218	15,121	2,833
West.....	549	7,467	.710	.348	.319	7,454	5,292	1,767
Square footage:								
5,000 or less.....	2,112	4,680	.871	.332	.474	10,016	6,821	2,689
5,001 to 10,000.....	705	5,083	.562	.217	.285	6,323	4,168	1,692
10,001 to 25,000.....	580	8,795	.727	.321	.301	8,872	6,299	1,731
25,001 to 50,000.....	216	7,470	.695	.305	.317	8,142	5,840	1,748
50,001 to 100,000.....	104	6,963	.616	.291	.239	6,956	5,035	1,300
100,001 to 200,000.....	49	6,613	.589	.251	.237	6,468	4,444	1,233
Over 200,000.....	29	11,675	1,090	.520	.372	12,464	8,946	1,912

<sup>1</sup> Includes fuel oil, propane, and purchased steam, not shown separately.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983*.

# NO. 918. MANUFACTURING ENERGY CONSUMPTION FOR HEAT AND POWER, BY TYPE OF FUEL AND INDUSTRY GROUP: 1985

[In trillions of Btu. Based on the Manufacturing Energy Consumption Survey, therefore subject to sampling variability]

SIC CODE	INDUSTRY	Total consumption	Net electricity <sup>1</sup>	Fuel oil <sup>2</sup>	Natural gas	Coal and coke	Other
(4)	Total .....	13,747.9	2,366.5	705.2	4,817.7	1,888.3	4,169.2
20	Food and kindred .....	954.3	165.8	65.1	455.9	131.7	132.9
21	Tobacco products .....	19.8	4.6	2.3	3.4	2.4	.1
22	Textile mill products .....	248.1	68.1	21.3	91.2	38.0	9.7
23	Apparel and other textile products .....	32.4	15.3	2.9	12.5	1.4	.4
24	Lumber and wood products .....	348.9	55.1	23.4	31.4	(a)	(a)
25	Furniture and fixtures .....	48.6	15.2	2.7	18.5	2.1	8.1
26	Paper and allied products .....	2,355.6	163.5	166.9	379.7	322.5	1,302.9
27	Printing and publishing .....	88.6	52.5	2.4	40.6	(b)	(b)
28	Chemicals and allied products .....	2,480.5	445.2	100.3	1,180.9	336.4	387.7
29	Petroleum and coal products .....	2,426.3	120.3	134.9	680.7	7.9	1,472.9
30	Rubber and misc. plastic products .....	220.8	90.7	15.2	102.0	6.1	4.8
31	Leather and leather products .....	13.4	4.3	3.3	4.5	.9	.4
32	Stone, clay and glass products .....	927.8	116.3	33.1	367.0	349.0	32.3
33	Primary metal industries .....	2,352.2	458.7	53.2	888.2	680.8	520.5
34	Fabricated metal products .....	.....	91.2	16.7	171.8	8.7	8.0
35	Machinery, except electrical .....	277.6	114.2	14.8	113.7	30.8	4.5
36	Electric and electronic equipment .....	223.7	110.1	10.4	91.4	8.6	3.3
37	Transportation equipment .....	322.2	115.0	25.7	120.7	43.8	17.0
38	Instruments and related products .....	78.7	29.2	8.1	23.5	(c)	(c)
39	Miscellaneous manufacturing .....	31.3	11.4	2.8	15.4	1.3	.7

D Figure withheld to avoid disclosure. X Not applicable. <sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> Net electricity is obtained by aggregating purchases, transfers in, and generation from noncombustible renewable resources minus quantities sold and transferred out. <sup>3</sup> Includes distillate and residual.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, January 1987

# NO. 919. FOSSIL FUEL PRICES IN CURRENT AND CONSTANT (1982) DOLLARS: 1980 TO 1986

[In cents per million British thermal units (Btu), except as indicated. All fuel prices taken as close to the point of production as possible. See text, section 18, for explanation of Btu conversions from mineral fuels. Minus sign (-) indicates decrease]

YEAR OR PERIOD	CURRENT DOLLARS					CONSTANT (1982) DOLLARS					GNP <sup>3</sup> price deflators (1982=100)
	Composite <sup>1</sup>	Crude oil	Natural gas	Bituminous coal <sup>2</sup>	Anthracite coal	Composite <sup>1</sup>	Crude oil	Natural gas	Bituminous coal <sup>2</sup>	Anthracite coal	
1980	26.3	49.7	12.6	18.8	33.8	91.6	160.8	40.8	60.8	109.4	.....
1985	27.7	49.3	14.5	17.9	35.3	82.0	145.9	42.9	53.0	107.4	39.8
1970	31.7	54.8	15.4	26.2	48.8	75.5	130.5	36.7	62.4	116.2	42.0
1973	39.8	67.1	20.1	38.5	61.7	80.4	135.8	40.6	73.7	124.6	49.5
1974	67.6	118.4	27.3	68.2	102.2	125.2	219.3	50.6	126.3	169.3	64.0
1975	82.5	132.2	41.1	83.9	149.5	139.1	222.9	69.3	141.5	252.1	59.3
1976	90.2	141.2	53.1	85.0	153.9	142.9	223.8	64.2	134.7	243.9	63.1
1977	100.8	147.8	72.3	87.7	153.8	149.8	219.6	107.4	130.3	228.5	67.3
1978	111.6	155.2	83.6	97.9	152.7	154.6	215.0	115.8	135.6	211.5	72.2
1979	141.7	217.9	108.1	105.3	177.2	180.3	277.2	137.5	134.0	225.4	78.6
1980	204.2	372.2	144.8	109.4	185.9	236.3	434.3	169.0	127.7	216.9	85.7
1981	274.5	547.6	179.5	117.9	190.1	292.0	582.8	191.0	125.4	202.2	94.0
1982	275.8	491.7	222.2	122.1	214.0	275.8	491.7	222.2	122.1	214.0	100.0
1983	270.1	451.6	232.3	117.2	230.0	260.0	434.6	223.6	112.8	221.4	103.9
1984	264.6	448.2	239.9	115.9	206.7	244.6	412.8	221.9	107.2	193.1	107.9
1985	251.2	415.3	225.5	114.8	204.2	225.3	372.5	202.2	103.0	183.1	111.5
1986, prol.	165.1	218.3	168.0	111.7	200.8	144.3	190.8	146.9	97.8	175.3	114.4
Percent change:											
1980-70	12.0	10.3	22.2	39.4	44.4	-17.6	-18.8	-10.0	2.6	6.2	35.9
1970-73	25.8	22.4	30.5	39.3	26.4	6.5	3.9	10.6	18.1	7.2	17.9
1973-75	107.3	97.0	104.5	129.9	142.3	73.0	.....	70.7	92.0	102.3	19.8
1975-79	71.6	64.8	183.0	25.5	18.5	29.6	24.4	98.4	-5.3	-10.6	32.5
1979-80	44.1	70.8	34.0	3.9	4.8	.....	56.7	22.9	-4.7	-3.8	8.0
1980-81	34.4	47.2	24.0	7.8	2.3	22.5	34.2	13.0	-1.8	6.8	8.7
1981-82	.5	-10.2	23.8	3.6	12.6	5.5	15.6	16.3	-2.6	5.8	6.4
1982-83	-2.1	-8.2	4.5	-4.0	7.5	-5.7	-11.6	.8	-7.8	3.5	3.9
1983-84	-2.0	-1.2	3.3	-1.1	-9.3	-5.8	-5.0	-.8	-5.0	-12.8	3.9
1984-85	-5.1	6.9	6.0	-1.0	-2.2	-8.0	-9.8	-6.9	-3.9	5.2	3.3
1985-86	-34.9	-47.4	-25.5	2.7	1.8	36.0	-48.8	-27.4	-5.2	4.3	2.8

<sup>1</sup> Weighted by relative importance of individual fuels in total fuels production. <sup>2</sup> Includes lignite. <sup>3</sup> GNP=Gross national product; see text, section 15.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

## NO. 920. WORLD ENERGY CONSUMPTION, BY REGION AND ENERGY SOURCE: 1960 TO 1985

[In tons of coal equivalent. Metric ton = 1.1023 short tons. Kilogram = 2.205 pounds. See text, section 31 for general comments about the data]

REGION AND ENERGY SOURCE	CONSUMPTION (mil. metric tons)					PER CAPITA (kilograms)				PERCENT DISTRIBUTION			
	1960	1970	1985	1984	1986	1960	1970	1980	1985	1960	1970	1985	1986
World total ..	3,884	6,440	8,544	8,800	8,130	1,302	1,745	1,019	1,583	100.0	100.0	100.0	100.0
North America <sup>1</sup> .....	1,509	2,502	2,796	2,690	2,712	5,951	7,825	7,490	6,768	40.7	38.9	32.7	29.7
United States .....	1,454	2,217	2,384	2,262	2,276	8,047	10,811	10,398	9,583	37.1	34.4	27.7	24.9
South America .....	79	143	251	255	259	535	749	1,048	967	2.0	2.2	2.9	2.8
Europe .....	1,039	1,720	2,145	2,094	2,146	2,443	3,745	4,433	4,394	26.5	26.7	25.1	23.5
Asia .....	514	903	1,579	1,858	1,946	276	388	607	887	13.1	14.0	18.5	21.3
Japan .....	96	333	435	450	440	1,025	3,246	3,728	3,715	2.4	5.2	5.1	4.9
Soviet Union .....	595	999	1,473	1,645	1,706	2,777	4,132	5,549	6,131	15.2	15.5	17.2	18.7
Oceania .....	41	71	105	112	119	2,597	3,675	4,572	4,816	1.0	1.1	1.2	1.3
Energy source:													
Solid fuels .....	1,940	2,159	2,632	2,883	3,040	644	566	591	629	49.4	33.5	30.8	33.3
Liquid fuels .....	1,306	2,835	3,778	3,623	3,806	433	770	646	748	33.3	44.0	44.2	39.5
Natural gas .....	593	1,292	1,634	1,990	2,057	197	351	412	425	15.1	20.1	21.5	22.5
Electricity .....	84	154	301	393	427	28	42	68	88	2.1	2.4	3.5	4.7

<sup>1</sup> Includes Central America.

Source: Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook*, annual. (Copyright.)

## NO. 921. WORLD PRIMARY ENERGY PRODUCTION, BY REGION AND TYPE: 1973 TO 1985

[In quadrillion Btu. Btu = British thermal units. For Btu conversion factors, see source]

REGION AND TYPE	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
World total .....	244.8	245.0	269.2	267.8	273.0	267.3	265.4	260.6	276.5	290.7	292.9	301.7
North America .....	73.3	71.1	71.3	72.4	74.0	76.2	80.6	81.0	81.4	79.2	64.6	64.1
United States .....	62.0	59.8	59.8	60.1	61.0	63.7	64.7	64.3	63.8	61.1	65.6	64.6
Central and South America ..	12.9	10.6	10.7	10.9	11.2	12.2	12.1	12.0	11.9	12.0	12.7	13.1
Western Europe .....	19.6	21.4	22.4	24.0	24.8	27.4	28.7	29.9	30.8	32.1	32.6	34.8
Eastern Europe and Soviet Union .....	51.4	55.9	58.9	61.6	64.0	66.1	67.7	68.2	70.4	72.3	74.0	78.9
Middle East .....	46.6	43.5	49.2	49.8	47.2	48.5	41.8	36.6	29.5	27.2	27.1	24.9
Africa .....	14.8	13.3	15.4	16.4	16.5	18.1	17.2	14.9	15.0	15.8	16.6	17.5
Far East and Oceania .....	26.2	29.3	31.4	32.8	35.3	36.7	37.3	38.1	39.4	42.1	45.2	48.5
Crude oil .....	117.8	111.6	121.3	126.0	126.3	131.6	125.5	117.5	111.7	111.3	114.1	113.3
Natural gas .....	43.2	43.9	45.7	48.9	48.2	51.6	52.9	54.3	53.7	53.9	57.7	60.3
Natural gas liquids .....	4.2	4.4	4.5	4.7	4.6	5.2	5.5	5.9	5.9	6.0	6.5	6.7
Coal .....	63.8	66.3	68.1	69.3	70.4	74.6	75.6	78.0	78.9	79.1	62.1	65.8
Hydroelectric power .....	13.5	15.0	15.1	15.5	16.7	17.6	18.2	18.4	18.9	19.8	20.2	20.8
Nuclear .....	2.2	3.9	4.5	5.4	6.5	6.7	7.5	8.6	9.4	10.6	12.3	14.9

Source: U.S. Energy Information Administration, *International Energy Annual*.

## NO. 922. DAILY INTERNATIONAL FLOW OF CRUDE OIL, BY AREA: 1984

[in thousands of barrels per day]

EXPORTING AREA	Total	IMPORTING AREA								
		North America		Central and South America	Western Europe		East-ern Europe	Middle East and Africa	Japan	Other Far East and Oceania
		U.S.	Canada		Atlantic Ocean, North Sea	Mediterranean Sea				
World total .....	23,560	3,426	231	2,966	4,926	3,403	2,340	1,089	3,591	2,778
North America .....	2,046	1,000	61	388	341	34	-	50	152	41
United States .....	181	(x)	16	<sup>1</sup> 135	-	-	-	-	-	30
Central and South America .....	1,299	392	70	553	173	32	-	3	16	60
Western Europe .....	2,208	493	36	31	1,577	49	-	20	-	-
Eastern Europe and Soviet Union .....	2,556	-	-	140	806	328	1,369	17	1	95
Middle East .....	9,089	459	13	457	942	1,604	476	672	2,514	1,762
Africa .....	4,069	671	51	315	1,262	1,142	201	307	16	104
Far East and Oceania .....	2,263	411	-	223	25	14	2	-	892	716

- Represents zero. X Not applicable. <sup>1</sup> Includes shipments to Puerto Rico and Virgin Islands.

Source: U.S. Energy Information Administration, *International Energy Annual*.



## No. 923. U.S. FOREIGN TRADE IN SELECTED MINERAL FUELS: 1970 TO 1986

[Btu=British thermal units. For Btu conversion factors, see text, section 18. Minus sign (-) indicates an excess of imports over exports. See also *Historical Statistics, Colonial Times to 1970*, series M 100, 101, 127, 128, 140, 141, 178, and 181]

YEAR	NATURAL GAS						CRUDE OIL					
	Imports		Exports		Net trade		Imports <sup>1</sup>		Exports		Net trade	
	BL. cu ft.	Tril. Btu	BL. cu ft.	Tril. Btu	BL. cu ft.	Tril. Btu	ML. bbl.	Tril. Btu	ML. bbl.	Tril. Btu	ML. bbl.	Tril. Btu
1970.....	820.8	846	88.8	72	-751.0	-774	483	2,814	■	28	-478	-2,785
1971.....	1,018.5	1,047	78.0	80	-941.5	-967	811	4,712	(Z)	1	-811	-4,710
1972.....	1,032.9	1,080	77.2	79	-955.7	-981	1,184	8,887	1	4	-1,183	-8,883
1973.....	958.3	965	78.8	78	-882.5	-907	■	7,386	1	8	-1,288	-7,388
1974.....	953.0	978	72.7	74	-880.3	-904	1,488	8,721	2	12	-1,486	-8,708
1975.....	963.8	■	64.7	66	-899.1	-922	1,935	11,238	3	17	-1,932	-11,221
1976.....	1,011.0	1,037	55.8	56	-955.4	-981	2,414	14,027	18	108	-2,396	-13,921
1977.....	965.5	986	52.5	53	-913.0	-941	2,320	13,480	68	336	-2,282	-13,125
1978.....	1,253.4	1,300	55.7	56	-1,197.7	-1,243	2,380	13,826	66	487	-2,284	-13,338
1979.....	984.8	1,008	48.7	49	-936.0	-957	1,926	11,195	106	608	-1,621	-10,586
1980.....	903.9	917	59.4	60	-844.8	-857	1,805	9,338	83	482	-1,522	-8,854
1981.....	933.3	950	51.7	52	-881.8	-898	1,273	7,418	88	500	-1,167	-8,818
1982.....	919.8	942	54.8	55	-865.0	-887	1,215	7,079	80	348	-1,155	-8,731
1983.....	843.1	847	54.8	55	-788.3	-792	1,254	7,302	88	384	-1,168	-8,818
1984.....	948.4	951	57.1	58	-892.3	-893	1,188	6,814	76	432	-1,083	-8,382
1985.....	754.0	758	55.0	55	-699.0	-700	1,525	8,882	58	326	-1,468	-8,556

	COAL						PETROLEUM PRODUCTS					
	Imports		Exports		Net trade		Imports		Exports		Net trade	
	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	ML. bbl.	Tril. Btu	ML. bbl.	Tril. Btu	ML. bbl.	Tril. Btu
1970.....	38	1	71,733	1,986	■	1,935	785	4,856	38	620	■	-4,136
1971.....	47	1	58,740	1,531	58,693	1,530	824	5,587	31	487	-843	-5,120
1972.....	127	3	53,867	1,425	53,480	1,422	1,088	6,578	34	482	-1,015	-6,087
1973.....	2,080	52	60,681	1,820	58,561	1,588	982	5,731	79	458	-883	-5,273
1974.....	840	24	68,308	1,781	65,388	1,738	712	4,227	74	427	-638	-3,808
1975.....	1,203	30	60,021	1,597	■	1,567	741	4,434	79	452	-882	-3,982
1976.....	1,847	41	54,312	1,442	52,665	1,401	800	4,728	70	408	-730	-4,321
1977.....	2,853	74	40,714	1,078	37,761	1,004	733	4,384	74	432	-659	-3,932
1978.....	2,058	51	68,042	1,753	63,983	1,702	707	4,108	86	506	-621	-3,608
1979.....	1,194	30	91,742	2,421	90,548	2,391	803	3,463	94	551	-808	-2,812
1980.....	1,043	28	112,541	2,944	111,498	2,916	584	3,303	134	781	■	-2,522
1981.....	742	19	108,277	2,787	105,535	2,768	589	3,358	211	1,224	-362	-2,136
1982.....	1,271	32	77,772	2,045	78,501	2,013	829	3,588	210	1,217	-418	-2,351
1983.....	1,286	32	61,482	2,181	60,196	2,119	736	4,131	186	1,161	-550	-2,970
1984.....	■	49	92,880	2,438	90,728	2,389	681	3,798	211	1,225	-470	-2,571
1985.....	2,212	55	85,518	2,248	83,306	2,193	712	4,006	228	1,320	-486	-2,888

Z. Less than 500,000. <sup>1</sup> Beginning 1977, includes strategic petroleum reserve imports.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

## No. 924. CRUDE OIL IMPORTS INTO U.S., BY COUNTRY OF ORIGIN: 1970 TO 1986

COUNTRY OF ORIGIN	IMPORTS (mil. 42-gal. bbls.)														PERCENT DISTRIBUTION		
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total.....	483	1,184	■	2,414	2,320	2,380	1,836	1,806	1,273	1,218	1,254	1,188	1,525	100.0	100.0	100.0	
Canada.....	245	365	219	102	80	98	73	80	78	100	125	171	208	50.7	3.8	13.6	
Mexico.....	-	(Z)	28	65	115	180	186	71	235	280	241	251	227	-	9.8	14.9	
Norway.....	-	-	5	18	38	28	53	42	37	24	41	11	18	-	2.7	1.2	
Trinidad-Tobago.....	(Z)	22	42	49	52	45	42	37	34	30	32	36	34	(Z)	2.2	2.2	
United Kingdom.....	-	-	-	36	82	72	83	135	181	183	136	102	■	-	3.3	7.8	
OPEC.....	222	787	1,171	2,068	1,882	1,888	1,414	■	833	848	853	478	771	48.0	73.4	88.8	
Algeria.....	2	44	86	188	231	222	167	95	33	64	71	31	28	.4	8.7	1.9	
Ecuador.....	-	17	21	20	14	11	6	14	12	21	17	20	23	-	.3	1.5	
Gabon.....	-	-	10	13	14	15	8	13	14	21	21	19	9	-	.5	.8	
Indonesia.....	28	73	138	185	195	139	115	118	82	118	111	107	108	3.4	6.0	7.1	
Iran.....	12	70	102	183	202	188	3	-	13	18	4	10	7	2.5	.2	.9	
Iraq.....	-	2	(Z)	27	23	32	10	-	1	4	5	17	28	-	.5	1.9	
Kuwait.....	12	15	1	15	2	2	10	-	1	3	8	1	10	2.5	.5	7	
Libya.....	17	48	81	257	233	234	200	118	8	-	-	-	-	3.6	10.4	-	
Nigeria.....	17	184	272	412	332	380	306	223	188	110	76	102	180	3.5	18.0	10.5	
Qatar.....	-	3	7	24	23	11	8	3	3	-	1	-	4	-	.4	.3	
Saudi Arabia.....	15	188	258	501	417	482	458	408	194	117	113	48	228	3.1	23.8	14.8	
United Arab Emirates.....	23	■	43	122	141	103	83	28	30	7	33	13	14	4.8	3.3	.9	
Venezuela.....	88	■	144	91	88	107	67	54	56	80	93	112	152	20.3	3.0	10.0	
Other.....	16	■	35	86	71	110	95	93	85	108	124	108	150	3.3	4.9	8.8	

- Represents zero. Z. Less than 500,000 or less than .05 percent.

Source: 1970-1975, U.S. Bureau of Mines, *Minerals Yearbook and Mineral Industry Surveys*; 1977-1980, U.S. Energy Information Administration, *Petroleum Statement*, annual; thereafter, U.S. Energy Information Administration, *Petroleum Supply Annual*.

## No. 925. CRUDE OIL AND REFINED PRODUCTS SUMMARY: 1973 TO 1987

[Barrels of 42 gallons. Data are averages]

YEAR AND MONTH	CRUDE OIL (1,000 bbl. per day)					REFINED OIL PRODUCTS (1,000 bbl. per day)			Total oil im- ports <sup>2</sup> (1,000 bbl. per day)	CRUDE OIL STOCKS <sup>3</sup> (mil. bbl.)	
	Input to refiner- ies	Do- mestic pro- duction	Imports		Ex- ports	Do- mestic de- mand	Im- ports	Ex- ports		Total	Strat- egic re- serve
			Total <sup>1</sup>	Strat- egic re- serve							
1973	12,451	9,208	3,244	(x)	2	17,308	3,012	229	8,258	242	(x)
1974	12,133	8,774	3,477	(x)	3	18,653	2,836	218	8,112	286	(x)
1975	12,442	8,375	4,108	(x)	8	18,322	1,951	204	8,066	271	(x)
1976	13,418	8,132	5,287	(x)	8	17,481	2,026	215	7,313	285	(x)
1977	14,802	8,245	6,615	21	50	18,431	2,193	193	8,807	348	7
1978	14,729	8,707	6,366	182	158	18,847	2,006	204	8,383	376	87
1979	14,648	8,562	6,519	87	236	18,513	1,937	236	8,456	430	91
1980	13,481	8,587	5,283	44	267	17,068	1,846	268	6,908	466	106
1981	12,470	8,572	4,398	258	228	16,058	1,599	387	5,988	594	230
1982	11,774	8,849	3,488	185	238	15,298	1,825	579	5,113	844	294
1983	11,885	8,888	3,329	234	184	15,231	1,722	575	5,051	723	379
1984	12,044	8,879	3,428	197	181	15,728	2,011	541	5,437	798	451
1985	12,002	8,871	3,201	118	204	15,728	1,886	577	5,087	814	483
1986	12,718	8,880	4,178	48	154	16,281	2,045	631	6,224	843	512
1st qtr	11,981	8,108	3,143	45	178	16,183	1,845	645	4,987	838	497
2d qtr	13,017	8,775	4,180	54	144	15,898	2,038	584	6,228	828	502
3d qtr	13,100	8,454	4,872	50	153	16,278	2,195	603	7,067	844	508
4th qtr	12,748	8,984	4,482	43	142	16,651	2,091	682	6,573	843	512
1987 <sup>4</sup>	12,543	8,384	4,202	73	(NA)	16,287	1,821	(NA)	6,022	853	527
1st qtr	12,317	8,381	4,008	77	187	16,366	1,876	682	5,884	853	520
2d qtr	12,767	8,345	4,392	67	(NA)	16,233	1,789	(NA)	6,181	853	527

NA: Not available. X: Not applicable. <sup>1</sup> Includes Strategic Petroleum Reserve. <sup>2</sup> Crude oil (including Strategic Petroleum Reserve imports) plus refined products. <sup>3</sup> End of year or quarter. <sup>4</sup> Preliminary.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, April 1987

## No. 926. ENERGY PRODUCING COMPANIES—SELECTED FINANCIAL AND INVESTMENT INDICATORS, 1978 TO 1985

[Based on data from major publicly-owned domestic crude oil producing companies which either had at least one percent of domestic production or reserves of oil, natural gas, coal, or uranium, or at least one percent of refining capacity or petroleum product sales. There were 26 companies during 1978 through 1982; 25 in 1983; and 22 during 1984 and 1985]

ITEM	1978	1979	1980	1981	1982	1983	1984	1985
INCOME STATEMENT (bil. dol.)								
Operating revenues	294.8	382.6	518.9	575.7	548.7	511.0	517.4	482.5
Operating expenses	285.0	345.8	455.9	520.8	504.2	482.8	487.3	444.2
Operating income	29.8	48.8	82.7	54.8	45.5	48.2	50.1	48.3
Pretax income	30.2	48.8	86.9	60.0	46.2	47.4	47.8	43.8
Net income	13.9	23.5	31.0	30.0	21.6	21.9	21.3	17.4
Funds from operations <sup>1</sup>	31.2	45.4	59.0	61.8	80.4	60.7	63.8	63.5
BALANCE SHEET (bil. dol.)								
Net property, plant, and equipment	138.1	159.3	186.9	224.8	265.5	278.4	282.4	297.7
Net investment in place <sup>2</sup>	148.1	188.9	202.6	240.8	282.5	298.3	308.1	315.4
Total assets	237.1	282.8	333.0	372.5	411.9	421.8	442.9	498.4
RATIOS (percent)								
Net income to operating revenues	4.7	6.0	6.0	5.2	4.0	4.3	4.1	3.5
Net income to total assets	5.9	8.3	9.3	8.0	5.3	5.2	5.0	4.0
Net income to stockholders' equity	12.6	18.8	21.1	18.1	11.8	11.4	12.1	10.6
Long-term debt to stockholders' equity <sup>3</sup>	35.6	33.7	31.5	32.2	37.1	34.8	48.5	54.3
Long-term debt to total assets <sup>4</sup>	18.3	14.9	13.9	14.3	16.6	15.9	20.6	20.5

<sup>1</sup> The sum of net income, depreciation, depletion and amortization, deferred taxes, dry hole expenses, etc. <sup>2</sup> Composed of net property, plant and equipment plus investment and advances to unconsolidated subsidiaries. <sup>3</sup> Long-term debt includes amounts applicable to capitalized leases.

Source: U.S. Energy Information Administration, *Performance Profiles of Major Energy Producers*, annual and unpublished data.

### NO. 927. PETROLEUM AND COAL PRODUCTS—SALES, NET PROFIT, AND PROFIT PER DOLLAR OF SALES: 1975 TO 1986

(Represents SIC group 29. Profit rates are averages of quarterly figures at annual rates)

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986 <sup>1</sup>
Sales	Bil. dol.	121.5	141.3	162.3	180.3	242.7	333.2	376.1	357.1	312.7	338.4	320.9	226.5
Net profit:													
Before income taxes	Bil. dol.	13.3	16.9	17.8	19.2	32.2	39.1	35.3	27.8	27.1	24.5	17.7	8.8
After income taxes	Bil. dol.	9.3	11.7	12.2	12.8	21.9	26.5	23.7	19.7	19.3	17.2	12.7	6.8
Depreciation <sup>2</sup>	Bil. dol.	5.6	5.9	6.6	7.7	9.5	11.6	13.7	16.3	17.5	20.7	22.1	21.9
Profits per dollar of sales:													
Before income taxes	Cents	10.9	12.0	11.0	10.6	13.3	11.7	9.4	7.8	8.7	7.2	5.5	4.1
After income taxes	Cents	7.6	8.3	7.5	7.1	9.0	7.7	6.3	5.5	6.2	5.1	4.0	3.0
Profits on stockholders' equity:													
Before income taxes	Percent	17.9	20.3	19.9	19.8	30.0	30.7	25.6	18.7	17.8	14.8	11.7	6.8
After income taxes	Percent	12.5	14.1	13.8	13.3	20.4	20.0	17.2	13.2	12.7	10.0	8.5	6.1

<sup>1</sup> Excludes estimates for corporations with less than \$250,000 in assets at time of sample selection. Prior periods include estimates for corporations in this size category. <sup>2</sup> Includes depletion and accelerated amortization of emergency facilities.

Source: Through 1981, U.S. Federal Trade Commission and, beginning 1982, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*.

### NO. 928. MAJOR PETROLEUM COMPANIES—FINANCIAL DATA SUMMARY: 1973 TO 1986

(Data represent a composite of approximately 41 major worldwide petroleum companies aggregated on a consolidated, total company basis)

ITEM	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>FINANCIAL DATA (bil. dol.)</b>												
Net income	11.8	11.6	15.1	18.0	32.8	32.9	29.2	21.1	20.6	22.7	19.4	11.0
Depreciation, depletion, etc.	10.5	11.3	15.8	19.8	24.9	32.5	34.9	37.2	37.4	45.3	53.0	42.1
Cash flow <sup>1</sup>	22.3	22.6	33.4	36.8	57.7	65.4	64.1	56.3	56.1	66.0	72.4	53.2
Dividends paid	4.0	4.7	6.3	6.8	6.0	9.3	10.6	10.6	10.5	11.6	12.0	12.2
Net internal funds available for investment or debt repayment <sup>2</sup>	18.3	18.1	27.1	29.0	48.7	56.1	53.5	47.7	47.6	56.4	60.4	41.0
Capital and exploratory expenditures	18.3	28.9	31.8	37.1	51.1	62.1	78.2	87.6	80.7	57.5	58.8	41.3
Long-term capitalization	102.9	121.1	150.1	168.0	196.9	211.4	248.1	243.6	240.0	265.7	272.1	275.8
Long-term debt	22.5	28.9	38.4	45.1	48.1	49.8	58.2	62.6	61.0	65.8	63.5	66.2
Preferred stock	4	4	9	9	9	2.0	2.0	3.5	3.5	5.2	3.3	2.9
Common stock and retained earnings <sup>3</sup>	80.0	91.9	110.8	122.0	147.9	159.6	186.9	177.7	175.5	194.7	175.3	177.7
Excess of expenditures over cash income <sup>4</sup>	-2.0	6.9	4.7	6.1	1.4	6.0	25.7	20.1	3.1	1.1	-2.1	.3
<b>RATIOS<sup>5</sup> (percent)</b>												
Long-term debt to long-term capitalization	22.0	23.8	25.6	26.8	24.4	23.6	23.8	25.7	25.4	23.5	24.4	24.5
Net income to total average capital	12.0	10.0	10.1	9.9	17.8	17.0	10.4	8.6	8.6	8.8	7.0	4.8
Net income to average common equity	15.6	13.1	13.9	13.5	24.0	22.5	17.7	11.5	12.0	12.5	10.8	6.2

<sup>1</sup> Generally represents internally-generated funds from operations. Sum of net income and noncash charges such as depreciation, depletion, and amortization. <sup>2</sup> Cash flow minus dividends paid. <sup>3</sup> Includes common stock, capital surplus, and earned surplus accounts after adjustments. <sup>4</sup> Capital and exploratory expenditures plus dividends paid minus cash flow.

<sup>5</sup> Represent approximate year-to-year comparisons because of changes in the makeup of the group due to mergers and other corporate changes.

Source: Carl H. Pforzheimer & Co., New York, NY, *Comparative Oil Company Statements, 1984-1985*, and earlier reports.

### NO. 929. ELECTRIC UTILITY SALES AND AVERAGE PRICES, BY END-USE SECTORS: 1970 TO 1986

(Prior to 1980, covers Class A and B privately-owned electric utilities; thereafter, Class A utilities whose electric operating revenues were \$100 million or more during the previous year)

YEAR	SALES (bil. kWh)				AVERAGE PRICE OF ELECTRICITY SOLD (cents per kWh)							
	Total <sup>1</sup>	Residential	Commercial	Industrial	Current dollars				Constant (1982) dollars <sup>2</sup>			
					Total <sup>1</sup>	Residential	Commercial	Industrial	Total <sup>1</sup>	Residential	Commercial	Industrial
1970	1,382	486	307	571	1.87	2.22	2.08	1.02	3.88	5.29	4.95	2.49
1971	1,470	500	329	641	1.77	2.32	2.20	1.10	3.88	5.29	4.95	2.49
1972	1,595	539	359	697	1.86	2.42	2.29	1.16	4.00	5.20	4.92	2.49
1973	1,713	579	388	746	1.96	2.54	2.41	1.25	3.98	5.13	4.87	2.59
1974	1,706	578	385	743	2.49	3.10	3.04	1.89	4.61	5.74	5.63	3.13
1975	1,747	586	403	758	2.82	3.51	3.45	2.07	4.82	5.82	5.82	3.69
1976	1,855	606	425	754	3.09	3.73	3.69	2.21	4.90	5.91	5.85	3.9
1977	1,948	645	447	786	3.42	4.05	4.08	2.50	5.08	6.02	6.08	3.7
1978	2,018	674	461	809	3.69	4.31	4.35	2.79	5.11	5.97	6.04	3.86
1979	2,071	683	473	842	3.99	4.64	4.68	3.05	5.08	5.90	5.95	3.86
1980	2,094	717	488	815	4.73	5.36	5.48	3.69	5.52	6.25	6.30	4.31
1981	2,147	722	514	826	5.48	6.20	6.29	4.29	5.81	6.80	6.89	4.56
1982	2,086	730	526	745	6.13	6.86	6.86	4.86	6.13	6.86	6.86	4.86
1983	2,151	751	544	776	6.30	7.18	7.02	4.96	6.06	6.91	6.76	4.77
1984	2,285	780	577	839	6.52	7.54	7.33	5.04	6.03	6.88	6.78	4.66
1985	2,326	794	605	835	6.71	7.79	7.47	5.16	6.02	6.89	6.70	4.83
1986	2,377	826	647	816	6.40	7.41	7.13	4.87	5.69	6.48	6.23	4.29

<sup>1</sup> Includes other sectors not shown separately.

<sup>2</sup> Based on the GNP implicit price deflator; see table 732.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

**NO. 936. ELECTRIC UTILITY INDUSTRY—ELECTRIC ENERGY PRODUCTION, AND NET SUMMER CAPABILITY BY TYPE OF PRIME MOVER, AND CONSUMPTION OF FUELS: 1960 TO 1986**

Production for calendar years; other data as of December 31, 1980 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1870*, series S 32-52, S 78-82, and S 86-107]

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>PRODUCTION</b>											
Total...	Bil. kWh	786	1,532	1,918	2,266	2,285	2,261	2,310	2,418	2,470	2,489
Average annual change <sup>1</sup>	Percent	8.6	7.3	4.6	3.6	.4	-2.3	3.1	4.6	2.2	.8
Production, kWh per kW of net summer capability <sup>2</sup>	Rate	4,522	4,554	3,903	3,952	3,936	3,652	3,720	3,805	3,771	3,734
State owned	Bil. kWh	579	1,183	1,487	1,783	1,786	1,712	1,754	1,849	1,918	1,926
Percent of total utilities	Percent	73.8	77.2	77.5	78.0	77.8	75.4	75.4	76.5	77.7	77.5
Municipal owned	Bil. kWh	175	349	431	503	506	530	546	567	552	559
Percent of total utilities	Percent	22.2	22.8	22.5	22.0	22.2	23.0	23.0	23.5	22.3	22.5
Federal owned	Bil. kWh	37	71	82	87	81	77	73	75	74	79
Percent of total utilities	Percent	4.7	4.6	4.2	3.8	3.6	3.4	3.2	3.1	3.0	3.2
Cooperatives and other	Bil. kWh	112	186	221	235	232	241	258	254	233	225
Percent of total utilities	Percent	14.3	12.4	11.6	10.4	10.4	10.6	11.0	10.9	9.4	9.1
Source of energy:											
Total <sup>3</sup>	Percent	53.3	46.0	44.6	51.0	52.7	53.4	54.8	55.9	56.8	55.8
Nuclear	Percent	1	1.4	9.0	11.0	11.8	12.6	12.7	13.6	15.5	16.5
Coal	Percent	6.4	12.0	15.1	10.8	9.0	8.5	6.3	5.0	4.0	5.5
Gas	Percent	20.9	24.3	15.6	15.1	15.1	13.6	11.9	12.3	11.8	10.0
Hydro	Percent	19.3	16.2	15.8	12.1	11.4	13.8	14.4	13.3	11.9	12.1
Source of prime mover <sup>4</sup>											
Hydro	Bil. kWh	146	248	300	278	261	309	332	321	281	291
Steam conventional <sup>5</sup>	Bil. kWh	603	1,240	1,414	1,726	1,730	1,628	1,661	1,742	1,778	1,757
Gas turbine	Bil. kWh	-	18	22	24	22	14	14	15	14	14
Steam nuclear	Bil. kWh	1	22	173	251	273	283	294	328	384	414
Internal combustion	Bil. kWh	4	6	6	4	3	2	2	2	2	2
<b>NET SUMMER CAPABILITY</b>											
Total <sup>6</sup>	Mil. kW	187	236	461	679	666	614	621	636	656	666
Average annual change <sup>1</sup>	Percent	7.9	7.2	7.9	3.4	3.4	2.6	1.2	2.3	3.1	1.7
Hydro	Mil. kW	36	64	78	82	82	83	84	85	89	89
Steam conventional <sup>7</sup>	Mil. kW	125	248	333	367	411	421	425	431	437	441
Gas turbine	Mil. kW	-	13	37	43	43	44	43	44	44	44
Steam nuclear	Mil. kW	(2)	7	37	52	56	60	63	70	80	85
Internal combustion	Mil. kW	3	4	5	5	5	5	5	5	5	5
<b>NUMBER OF PRIME MOVERS</b>											
Prime movers, total <sup>8</sup>	Number	2,436	3,533	3,567	3,575	3,567	3,515	3,486	3,476	3,483	3,481
Hydro	Number	1,331	1,186	1,146	1,142	1,147	1,168	1,162	1,194	1,216	1,230
Steam conventional	Number	1,055	1,996	937	934	937	918	910	905	883	876
Gas turbine	Number	-	323	497	541	540	541	542	544	541	543
Steam nuclear	Number	5	16	42	51	53	53	55	56	62	64
Internal combustion	Number	1,044	1,008	965	907	890	857	787	777	751	746
<b>CONSUMPTION OF FUELS</b>											
Net generation by fuel <sup>9</sup>	Bil. kWh	610	1,284	1,616	2,010	2,034	1,932	1,978	2,085	2,189	2,186
Average annual change <sup>1</sup>	Percent	6.9	7.7	4.7	4.4	1.2	-5.0	2.4	5.9	4.5	.4
Coal	Bil. kWh	403	704	853	1,162	1,208	1,182	1,259	1,342	1,402	1,386
Percent of total	Percent	66.1	54.8	52.7	57.8	59.1	61.7	63.7	64.1	64.0	63.1
Gas	Bil. kWh	48	184	289	246	206	147	144	120	100	137
Percent of total	Percent	7.8	14.3	18.0	12.2	10.1	7.6	7.3	5.8	4.6	6.3
Nuclear	Bil. kWh	156	373	300	348	348	305	274	297	292	248
Percent of total	Percent	25.5	29.0	18.9	17.2	17.2	15.7	13.9	14.1	13.4	11.2
Hydro	Bil. kWh	1	22	173	251	273	253	294	328	384	414
Percent of total	Percent	0.2	1.7	10.7	11.4	13.5	13.0	14.8	15.7	16.9	18.6
Fuels consumed:											
Total energy equivalent	Quad. Btu	6.57	13.40	15.19	18.57	18.55	17.49	17.75	18.53	18.79	18.61
Coal	Mil. sh. tons	177	320	406	509	597	564	625	684	694	695
Gas	Mil. bbl.	86	339	506	421	352	251	247	206	174	231
Nuclear	Bil. cal. ft.	1,725	3,932	3,156	3,682	3,640	3,226	2,911	3,111	3,044	2,800

Represents zero. <sup>2</sup> Less than .5 million. <sup>3</sup> Change from prior year shown; for 1960, change from 1955. For generation of average annual percent change, see Guide to Tabular Presentation. <sup>4</sup> Net summer capability is the steady hourly net that generating equipment is expected to supply to system load, exclusive of auxiliary power as demonstrated by test at the time of summer peak demand. <sup>5</sup> Includes small percentage from wood and waste, geothermal, and petroleum coke. A prime mover is the engine, turbine, water wheel, or similar machine which drives an electric generator. <sup>6</sup> Fossil fuels only. Includes wind, solar thermal, and photovoltaic, not shown separately. <sup>7</sup> Includes fossil steam, wood, and waste. <sup>8</sup> Each prime mover type in combination plants counted separately prior to 1975. <sup>9</sup> Includes small amounts of wood, waste, wind, thermal, solar thermal, and photovoltaic.

Sources: 1960-1970, U.S. Federal Power Commission, *Electric Power Statistics*, and press releases; thereafter, U.S. Energy Information Administration, 1975-1980, *Power Production, Fuel Consumption, and Installed Capacity Data—Annual*, and unpublished data; thereafter, *Electric Power Annual*, *Annual Energy Review*, and unpublished data.

### NO. 931. ELECTRIC UTILITY INDUSTRY—CAPABILITY, PEAK LOAD, AND CAPACITY MARGIN 1970 TO 1986

[Excludes Alaska and Hawaii. Capability represents the maximum kilowatt output with all power sources available and with hydraulic equipment under actual water conditions, allowing for maintenance, emergency outages, and system operating requirements. Capacity margin is the difference between capability and peak load]

YEAR	CAPABILITY AT THE TIME OF—				NON-COINCIDENT PEAK LOAD		CAPACITY MARGIN			
	Summer peak load (1,000 kW)		Winter peak load <sup>2</sup> (1,000 kW)		Summer	Winter <sup>3</sup>	Summer		Winter	
	Amount	Change from prior year	Amount	Change from prior year			Amount (1,000 kW)	Per- cent of capa- bility	Amount (1,000 kW)	Per- cent of capa- bility
1970	326,900	* 26,600	339,060	* 27,800	274,650	249,550	52,250	18.0	90,500	26.7
1971	353,250	26,350	366,700	27,650	292,100	261,850	61,150	17.3	105,050	28.6
1972	361,700	28,450	394,050	27,350	319,150	290,950	62,550	18.4	103,100	28.2
1973	415,500	33,800	433,150	39,100	345,900	295,100	71,900	17.2	139,050	31.9
1974	444,400	28,900	467,400	34,250	349,250	302,500	95,150	21.4	184,900	28.9
1975	479,300	34,900	482,450	26,050	356,800	331,100	122,500	25.8	161,300	32.9
1976	496,750	19,450	511,000	16,550	370,800	349,850	127,850	25.8	161,150	31.5
1977	516,000	17,250	537,800	28,800	398,350	380,200	119,850	23.2	177,400	35.0
1978	545,700	29,700	561,550	23,800	498,050	383,100	135,600	24.9	178,400	31.8
1979 <sup>4</sup>	544,506	-1,194	554,525	-7,025	398,424	388,876	146,082	28.8	185,849	32.5
1980	568,237	13,731	572,196	17,670	427,059	394,567	131,179	23.6	167,899	32.6
1981	572,219	13,982	566,599	14,374	439,295	391,106	143,824	25.2	169,789	32.2
1982	596,142	13,923	598,096	11,497	414,809	373,318	171,233	29.2	224,091	37.5
1983	586,449	10,307	612,453	14,387	447,526	410,779	146,823	25.0	201,674	32.8
1984	604,240	7,791	622,125	9,673	451,180	436,374	153,090	25.3	199,751	29.9
1985	621,597	17,357	636,475	14,350	460,503	423,950	161,064	25.3	212,815	29.4
1986	627,051	5,454	646,721	10,246	478,320	422,657	180,731	24.0	223,884	34.6

<sup>1</sup> Prior to 1973, data was for the month of December. <sup>2</sup> Change from 1969. <sup>3</sup> Beginning 1979, data are not entirely comparable with prior years due to change in data source.

Source: Edison Electric Institute, Washington, DC, *Statistical Yearbook of the Electric Utility Industry*, annual.

### NO. 932. ELECTRIC ENERGY—PRODUCTION AND INSTALLED GENERATING CAPACITY, BY STATE 1980 TO 1986

[Capacity as of Dec. 31. Covers utilities for public use]

DIVISION AND STATE	PRODUCTION (BIL. KWH)			INSTALLED CAPACITY (MW. KW)			DIVISION AND STATE	PRODUCTION (BIL. KWH)			INSTALLED CAPACITY (MW. KW)		
	1980	1985	1986	1980	1985	1986		1980	1985	1986	1980	1985	1986
U.S.	2,296.4	2,499.9	2,497.3	613.6	996.1	XXXX	S.A.—Con.						
ME	79.2	91.4	87.6	21.1	21.4	22.8	VA	34.3	42.1	42.8	11.7	12.8	13.6
NE	7.9	8.1	10.9	2.4	2.4	2.4	WV	70.8	79.5	77.5	15.2	15.2	16.1
NH	6.0	6.0	6.1	1.6	1.4	1.4	NC	72.1	74.5	76.8	15.9	19.7	19.9
VT	3.8	4.2	3.1	.9	1.1	1.1	SC	41.9	53.6	56.5	11.7	15.1	16.3
MA	34.8	36.3	34.5	6.6	10.0	10.0	GA	63.3	80.9	74.9	16.3	18.7	19.6
RI	1.0	.5	.7	.3	.3	.3	FL	95.9	98.4	108.5	29.0	34.2	34.9
CT	24.7	25.2	32.2	6.3	6.2	7.4	E.S.C.	214.1	221.5	216.9	33.3	61.9	68.2
ALA	390.6	291.2	297.7	78.4	82.3	81.8	KY	57.1	63.0	66.9	13.6	16.8	16.8
NY	106.6	111.8	111.3	31.4	32.5	32.3	TN	80.2	89.6	85.5	15.9	19.0	18.3
NJ	29.4	34.4	28.9	12.6	13.4	14.6	AL	78.3	72.7	66.6	18.2	20.0	20.0
PA	122.5	135.0	147.6	34.4	36.4	34.7	MS	16.5	19.2	19.0	5.6	7.1	7.1
E.M.C.	397.0	498.8	414.6	167.9	117.0	116.3	W.S.C.	313.1	343.6	361.9	64.7	66.7	101.6
OH	110.2	110.8	111.5	27.4	27.3	28.5	AR	19.7	35.6	35.1	7.2	8.3	6.9
IN	70.6	76.5	77.3	17.1	21.3	21.5	LA	45.7	44.3	52.8	12.9	18.4	19.9
IL	103.4	103.7	106.9	29.9	32.7	32.5	OK	44.6	44.1	41.1	11.3	13.0	13.6
MI	74.6	74.5	76.1	22.7	24.1	24.1	TX	208.0	216.5	222.9	53.3	59.0	69.2
WI	37.6	41.2	42.8	10.7	11.6	11.6	MT	199.6	201.6	203.1	36.6	49.3	49.1
W.M.C.	198.2	196.1	196.1	48.6	57.3	57.3	ND	15.5	18.6	22.4	3.2	4.9	4.9
MN	31.5	31.0	28.4	8.8	8.5	8.5	ID	9.5	10.9	12.2	2.0	2.0	2.9
IA	21.8	23.5	24.1	7.3	8.6	8.6	WY	22.4	35.7	29.8	4.1	6.8	6.9
MO	48.9	57.3	54.2	13.8	16.6	16.6	CO	23.6	29.8	28.3	6.1	7.3	7.3
ND	15.8	22.1	22.1	3.4	4.6	4.7	NM	24.7	27.1	23.6	5.0	5.5	5.5
SD	8.6	7.8	7.8	2.2	2.5	2.6	AZ	36.9	48.2	51.2	9.4	12.1	13.7
NE	16.3	15.9	19.6	3.1	6.0	5.9	UT	12.1	15.4	16.6	2.1	3.0	4.3
KS	25.1	27.5	29.5	6.3	10.6	10.5	NV	14.1	16.7	20.0	3.9	5.6	5.5
S.A.	417.8	467.9	463.2	111.6	129.7	132.7	Pac.	378.9	399.1	373.3	71.9	62.6	66.5
DE	6.7	8.5	8.4	1.6	1.9	1.9	WA	92.9	93.1	92.5	23.0	23.7	23.7
MD	32.2	32.3	37.7	9.2	10.4	10.4	OR	36.8	46.2	47.9	8.5	10.6	10.8
DC	.7	.1	.2	1.2	.9	.9	CA	140.9	127.8	121.9	37.8	45.1	45.8
							AK	3.1	4.9	4.3	1.1	1.7	1.7
							HI	6.5	6.6	8.9	1.4	1.5	1.6

Source: U.S. Energy Information Administration, 1980, *Power Production, Fuel Consumption, and Installed Capacity Data*, annual; 1985 and 1986, *Electric Power Annual and Inventory of Power Plants in the United States*, 1988.

### 93. PRIVATELY AND PUBLICLY OWNED ELECTRIC UTILITY GENERATING PLANTS—NUMBER AND CAPACITY, BY TYPE AND SIZE OF PRIME MOVER: 1970 TO 1986

By as of Dec. 31. Each prime mover type in combination plants is counted separately. For definition of prime mover, see table 930, footnote 3)

SIZE OF PRIME MOVER	PRIVATELY OWNED						PUBLICLY OWNED					
	Number of prime movers			Capacity (mil. kW)			Number of prime movers			Capacity (mil. kW)		
	1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986
<b>Total</b>	<b>2,837</b>	<b>2,884</b>	<b>1,888</b>	<b>262.6</b>	<b>677.0</b>	<b>634.9</b>	<b>1,488</b>	<b>1,491</b>	<b>1,488</b>	<b>78.2</b>	<b>138.6</b>	<b>184.3</b>
<b>conventional</b>	<b>672</b>	<b>626</b>	<b>585</b>	<b>222.4</b>	<b>361.4</b>	<b>367.0</b>	<b>328</b>	<b>308</b>	<b>283</b>	<b>37.7</b>	<b>63.1</b>	<b>82.0</b>
100,000 kW.....	220	134	94	8.2	5.6	4.4	254	195	188	8.8	6.2	8.1
5-100,000 kW.....	288	239	225	77.1	64.0	60.5	58	75	85	12.3	17.4	21.0
50,000 kW.....	153	253	288	137.1	291.8	322.1	14	36	48	18.5	39.8	54.9
<b>uclear</b>	<b>15</b>	<b>43</b>	<b>67</b>	<b>5.7</b>	<b>46.0</b>	<b>65.7</b>	<b>1</b>	<b>8</b>	<b>10</b>	<b>.8</b>	<b>8.5</b>	<b>12.2</b>
50,000 kW.....	7	37	54	4.5	46.8	65.1	1	7	9	.8	8.5	12.2
<b>gas</b>	<b>754</b>	<b>732</b>	<b>752</b>	<b>16.9</b>	<b>24.2</b>	<b>28.4</b>	<b>434</b>	<b>410</b>	<b>478</b>	<b>38.3</b>	<b>52.1</b>	<b>58.1</b>
5,000 kW.....	185	173	178	15.8	21.0	25.1	184	180	200	35.1	61.0	64.7
<b>oil</b>	<b>285</b>	<b>411</b>	<b>403</b>	<b>14.4</b>	<b>41.8</b>	<b>41.3</b>	<b>58</b>	<b>130</b>	<b>140</b>	<b>1.1</b>	<b>8.1</b>	<b>10.4</b>
5,000 kW.....	126	261	290	12.1	38.4	39.3	12	85	73	.4	8.0	9.4
<b>combustion</b>	<b>331</b>	<b>282</b>	<b>201</b>	<b>1.3</b>	<b>1.8</b>	<b>1.5</b>	<b>677</b>	<b>625</b>	<b>545</b>	<b>3.0</b>	<b>3.7</b>	<b>3.5</b>
5,000 kW.....	238	188	100	.5	.4	.2	471	368	288	1.8	.7	.8
5,000 kW.....	93	116	101	.8	1.5	1.3	206	257	256	2.0	3.0	2.9

U.S. Energy Information Administration, unpublished data.

### 94. ELECTRIC ENERGY SALES, BY CLASS OF SERVICE, 1970 TO 1986, AND BY STATE, 1986

(in billions of kilowatt-hours)

DIVISION AND STATE	Total <sup>1</sup>	Residential	Commercial	Industrial	DIVISION AND STATE	Total <sup>1</sup>	Residential	Commercial	Industrial
<b>Total</b>	<b>1,382.3</b>	<b>488.3</b>	<b>308.7</b>	<b>570.9</b>	<b>South Atlantic</b>	<b>448.6</b>	<b>177.3</b>	<b>121.0</b>	<b>132.6</b>
Alabama.....	1,712.9	579.2	388.3	688.1	Delaware.....	6.8	2.1	1.6	2.8
Arkansas.....	1,747.1	588.1	403.0	667.7	Maryland <sup>2</sup> .....	50.5	17.1	14.1	18.4
California.....	2,071.1	882.8	473.3	841.8	Virginia.....	62.8	25.2	16.5	14.2
Colorado.....	2,094.4	717.5	488.2	815.1	West Virginia.....	20.8	7.0	4.5	9.0
Connecticut.....	2,147.1	722.3	514.3	825.7	North Carolina.....	74.2	27.7	18.2	26.8
District of Columbia.....	2,088.4	728.5	526.4	744.9	South Carolina.....	49.2	18.1	9.8	22.7
Florida.....	2,151.0	750.9	543.8	778.0	Georgia.....	24.3	17.2	17.2	23.8
Illinois.....	2,278.4	777.7	578.3	840.8	Florida.....	116.4	57.8	38.8	15.9
Indiana.....	2,309.5	791.0	609.0	824.5	<b>East South Central</b>	<b>188.6</b>	<b>72.8</b>	<b>44.8</b>	<b>77.9</b>
Iowa.....	2,380.7	817.7	641.6	898.2	Kentucky.....	50.5	15.6	8.5	24.1
Kansas.....	81.8	32.8	31.8	26.7	Tennessee.....	68.9	27.2	18.2	22.7
Massachusetts.....	10.2	3.8	2.2	4.2	Alabama.....	52.8	18.8	11.0	22.4
Michigan.....	7.5	3.1	1.8	2.6	Mississippi.....	27.4	11.1	7.0	8.7
Minnesota.....	4.0	1.4	.9	1.6	<b>West South Central</b>	<b>338.4</b>	<b>118.1</b>	<b>83.8</b>	<b>117.8</b>
Missouri.....	38.9	13.8	15.8	8.6	Arkansas.....	22.2	9.2	5.3	7.1
Montana.....	5.6	2.1	2.1	1.3	Louisiana.....	57.5	19.8	12.5	21.2
Nebraska.....	24.7	8.1	8.9	6.3	Oklahoma.....	38.0	13.8	8.8	10.4
Nevada.....	274.5	88.5	88.1	88.2	Texas.....	212.7	72.3	55.6	78.8
New York.....	118.1	34.1	42.6	28.6	<b>Mountain</b>	<b>136.0</b>	<b>43.1</b>	<b>40.3</b>	<b>48.8</b>
North Carolina.....	55.9	18.0	21.8	15.8	Montana.....	11.8	3.2	2.3	5.9
North Dakota.....	102.5	34.3	24.8	42.0	Idaho.....	15.8	5.4	4.4	5.9
Ohio.....	403.2	125.3	88.7	170.8	Wyoming.....	10.4	1.8	1.8	6.8
Oklahoma.....	124.1	35.4	28.3	58.3	Colorado.....	27.8	8.9	11.4	5.8
Oregon.....	80.0	20.8	12.2	28.5	New Mexico.....	11.8	3.2	3.9	3.7
Pennsylvania.....	101.5	30.9	27.0	38.6	Arizona.....	34.0	12.6	11.0	8.5
Rhode Island.....	74.3	23.1	17.8	32.1	Utah.....	13.0	3.8	3.8	4.9
South Carolina.....	43.4	15.3	10.2	18.0	Nevada.....	11.0	4.1	1.8	4.4
South Dakota.....	188.9	64.8	43.8	64.1	<b>Pacific</b>	<b>304.7</b>	<b>108.8</b>	<b>84.2</b>	<b>97.1</b>
Tennessee.....	38.1	13.6	8.9	17.8	Washington.....	74.6	28.8	18.2	29.1
Texas.....	28.5	10.0	5.6	9.7	Oregon.....	34.9	13.4	10.0	11.2
Vermont.....	48.4	19.7	15.3	12.8	California.....	184.8	57.6	64.7	53.0
Virginia.....	8.7	3.0	1.8	1.8	Alaska.....	3.5	1.3	1.8	.5
Washington.....	8.0	2.8	1.2	1.8	Hawaii.....	6.9	1.8	1.8	3.2
West Virginia.....	18.2	8.4	4.8	3.8					
Wisconsin.....	24.0	8.4	8.1	7.0					

See other service, not shown separately. <sup>2</sup> Includes District of Columbia.

U.S. Energy Information Administration, *Electric Power Annual*, 1988.



## No. 935. ELECTRIC UTILITIES—GENERATION, SALES, REVENUE, AND CUSTOMERS: 1970 TO 1986

(Sales and revenue are to and from ultimate customers)

CLASS	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Generation <sup>1</sup>	Bil. kWh	1,532	1,918	2,124	2,208	2,247	2,286	2,295	2,241	2,310	2,416	2,470	2,487
Sales <sup>2</sup>	Bil. kWh	1,361	1,733	1,951	2,018	2,054	2,136	2,151	2,100	2,188	2,281	2,310	2,351
Residential or domestic	Bil. kWh	448	586	652	679	696	734	730	733	750	783	791	822
Percent of total	Percent	32.2	33.8	33.4	33.7	33.4	34.5	34.0	34.9	34.7	34.3	34.2	34.6
Commercial <sup>3</sup>	Bil. kWh	313	418	468	481	496	524	522	517	546	578	600	623
Industrial <sup>4</sup>	Bil. kWh	573	682	757	782	818	794	820	770	783	835	824	816
Revenue <sup>2</sup>	Bil. dol	22.1	48.9	62.6	66.9	70.8	76.5	110.6	121.6	129.4	143.1	148.8	153.1
Residential or domestic	Bil. dol	9.4	18.8	24.7	27.4	30.8	37.8	42.4	47.2	51.2	58.1	59.0	61.2
Percent of total	Percent	42.7	40.1	39.4	39.2	38.7	39.4	38.3	38.8	39.5	39.2	39.4	40.0
Commercial <sup>3</sup>	Bil. dol	6.3	13.5	18.0	19.7	22.3	27.4	31.3	34.2	37.1	41.3	44.2	45.8
Industrial <sup>4</sup>	Bil. dol	5.4	12.7	17.9	20.3	23.8	27.3	33.0	35.9	36.6	40.8	41.4	40.6
Ultimate customers, Dec. 31 <sup>5</sup>	Million	72.6	81.8	86.6	87.7	88.8	92.7	94.0	95.3	97.0	99.4	101.5	103.6
Residential or domestic	Million	64.0	72.8	75.9	77.8	79.6	82.2	83.3	84.4	85.8	87.9	89.7	91.5
Commercial <sup>3</sup>	Million	7.9	8.6	8.9	9.1	9.4	9.7	9.8	10.0	10.3	10.6	10.7	11.2
Industrial <sup>4</sup>	Million	.4	.4	.4	.5	.5	.5	.5	.5	.5	.5	.7	.5
Avg. kWh used per customer	1,000	18.4	21.4	23.1	23.3	23.5	23.3	23.0	22.3	22.6	22.8	23.0	23.0
Residential	1,000	7.1	8.2	8.7	8.8	8.8	9.0	8.8	8.7	8.8	9.0	9.0	9.1
Commercial <sup>3</sup>	1,000	40.0	49.0	52.0	53.1	53.2	54.5	53.4	52.3	53.8	56.2	57.4	57.0
Avg. annual bill per customer	Dollar	307	578	748	857	897	1,040	1,164	1,286	1,346	1,453	1,486	1,493
Residential	Dollar	149	262	329	357	391	462	512	583	602	644	663	675
Commercial <sup>3</sup>	Dollar	804	1,580	2,031	2,177	2,394	2,848	3,207	3,452	3,660	3,940	4,171	4,189
Avg. revenue per kWh sold	Cents	1.59	2.70	3.21	3.46	3.82	4.40	5.14	5.79	6.00	6.27	6.47	6.48
Residential	Cents	2.10	3.21	3.78	4.03	4.43	5.12	5.80	6.44	6.83	7.17	7.40	7.44
Commercial <sup>3</sup>	Cents	2.01	3.23	3.84	4.10	4.50	5.22	6.00	6.61	6.80	7.14	7.27	7.29
Industrial <sup>4</sup>	Cents	.95	1.92	2.33	2.58	2.81	3.44	4.03	4.86	4.98	5.04	5.00	5.00

<sup>1</sup> Source: 1970-1975, U.S. Federal Power Commission, thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, January 1987. <sup>2</sup> Includes other types not shown separately. <sup>3</sup> Small light and power. <sup>4</sup> Large light and power. <sup>5</sup> Source: Except as noted, Edison Electric Institute, Washington, DC, *Statistical Yearbook*.

## No. 936. ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED COMPANIES: 1970 TO 1986

(In billions of dollars. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series S 133-146 and V 197-212)

ITEM	CLASS A AND B INVESTOR-OWNED ELECTRIC UTILITIES <sup>1</sup>							MAJOR INVESTOR-OWNED ELECTRIC UTILITIES <sup>2</sup>					
	1970	1975	1977	1978	1979	1980	1981	1981	1982	1983	1984	1985	1986
<b>COMPOSITE BALANCE SHEET</b>													
Assets and other debits	87.4	157.1	192.1	211.1	234.8	260.0	286.0	286.1	316.0	342.4	375.6	404.7	
Electric utility plant <sup>3</sup>	83.3	160.7	196.8	218.0	242.3	266.9	292.7	291.6	321.2	347.9	377.2	398.9	
Depreciation and amortization	20.9	31.9	39.8	44.5	49.7	55.5	61.5	61.1	67.6	74.3	81.9	85.1	
Net electric utility plant	79.1	128.8	157.0	173.5	192.6	211.5	231.2	230.5	253.6	273.6	295.3	311.8	
Other utility plant	9.0	11.7	12.6	13.2	13.9	14.8	15.7	15.7	16.7	17.5	18.3	19.9	
Depreciation and amortization	2.1	3.1	3.7	3.9	4.2	4.6	4.9	4.9	5.3	5.6	6.1	6.5	
Net other utility plant	6.9	8.6	9.0	9.3	9.7	10.3	10.8	10.8	11.4	11.9	12.2	13.4	
Total utility plant	102.3	172.4	206.4	231.2	256.2	281.7	308.4	307.3	337.6	366.5	396.5	431.1	
Depreciation and amortization	22.9	35.0	45.5	49.4	53.9	60.0	66.4	66.0	72.9	80.1	88.0	97.4	
Net total utility plant	79.9	137.4	160.0	182.8	202.3	221.7	242.0	241.3	265.0	286.4	307.5	333.8	
Other property and investments	1.7	4.5	5.6	6.4	6.0	6.5	7.9	7.9	8.1	10.3	10.9	12.1	
Current and accrued assets	5.3	13.5	18.2	18.9	22.4	26.2	28.7	28.6	31.7	33.3	37.9	39.4	
Deferred debits	.4	1.7	2.3	3.0	4.1	5.5	7.3	7.3	9.3	13.4	19.3	19.4	
Liabilities and other credits <sup>4</sup>	87.4	157.1	192.1	211.1	234.8	260.0	286.0	286.1	316.0	342.4	375.6	404.7	
Capital stock	20.8	37.6	45.8	49.1	53.8	59.3	63.9	63.7	70.3	76.9	78.0	82.8	
Other paid-in capital	4.4	11.5	15.6	17.9	19.4	21.5	24.0	23.9	27.7	31.0	33.3	36.5	
Retained earnings	9.4	14.7	17.8	19.4	21.0	22.7	25.0	24.8	27.9	31.9	37.1	41.1	
Subsidiary earnings <sup>5</sup>	.0	.6	.8	.9	1.0	1.1	1.3	1.3	1.6	1.7	2.0	2.3	
Long-term debt	41.9	70.8	82.2	88.3	95.7	105.3	115.5	115.2	124.0	131.6	140.7	152.7	
Current and accrued liabilities	7.3	13.7	16.0	18.3	23.4	26.3	28.4	28.1	28.6	29.5	32.0	32.6	
Deferred credits and operating reserves	.9	2.7	5.7	7.1	8.7	9.8	11.5	11.0	15.1	16.6	19.0	20.8	
Deferred income taxes <sup>6</sup>	2.2	5.4	8.3	10.0	11.9	14.1	16.7	16.6	19.4	23.8	28.1	32.7	
<b>COMPOSITE INCOME ACCOUNTS</b>													
Electric operating revenues	16.8	44.6	58.6	65.4	72.9	87.1	102.3	101.7	108.3	116.7	128.3	135.3	
Electric operating expenses	15.3	38.7	48.8	54.3	61.0	73.4	88.0	85.5	91.7	98.2	105.5	111.7	
Net electric operating revenues	4.5	8.5	10.3	11.1	11.8	13.6	16.3	16.2	18.1	20.5	22.8	24.1	
Other utility operating income	.4	.5	.8	.7	.7	.7	.9	.7	.9	.9	1.1	1.2	
Total utility operating income	4.9	9.0	10.9	11.7	12.5	14.4	17.0	17.0	19.1	21.4	24.0	25.3	
Other income	.8	2.2	2.2	2.5	3.1	3.6	4.4	4.4	5.3	6.5	6.9	7.4	
Total income	5.7	11.3	13.0	14.3	15.6	18.0	21.4	21.3	24.4	28.0	30.8	32.7	
Income deductions	2.3	5.7	5.0	5.5	6.1	7.3	8.7	8.7	8.4	10.1	17.1	14.9	
Net income <sup>7</sup>	3.4	6.1	8.0	8.7	9.5	10.7	12.7	12.7	15.0	17.9	18.7	18.7	

X Not applicable. <sup>1</sup> There were 197 utilities of this type in 1983. <sup>2</sup> There were 163 utilities of this type in 1986. <sup>3</sup> Includes construction work in progress. <sup>4</sup> Includes contributions in aid of construction through 1970. <sup>5</sup> Unappropriated undistributed. <sup>6</sup> Cumulative. <sup>7</sup> Beginning 1975, includes net extraordinary income.

Source: 1970-1975, U.S. Federal Power Commission and 1977-1981, U.S. Energy Information Administration, *Statistics of Privately Owned Electric Utilities in the United States*, annual; thereafter, U.S. Energy Information Administration, *Financial Statistics of Selected Electric Utilities*, annual.

## NO. 937. NUCLEAR POWER PLANTS—NUMBER, CAPACITY, AND GENERATION: 1965 TO 1986

ITEM		1976	1976	1976	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Operable reactors <sup>1</sup>	8	18	54	70	86	70	74	77	80	86	95	100
Net summer capability <sup>1,2</sup> (mil. kW)	.8	7.0	37.2	50.7	49.8	51.7	55.9	59.9	63.0	69.7	79.4	85.3
Electricity generated (bil. kWh)	4	22	173	276	255	251	273	293	294	326	364	414
Percent of total electric utility generation	.4	1.4	9.0	12.5	11.4	11.0	11.9	12.6	12.7	13.6	15.5	16.7
Capacity factor <sup>3</sup>	(NA)	(NA)	58.0	64.7	58.5	58.4	58.4	58.7	54.4	58.3	57.9	58.9

NA. Not available. <sup>1</sup> As of yearend. <sup>2</sup> Net summer capability is the peak steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary and other powerplant, as demonstrated by test at the time of summer peak demand. <sup>3</sup> Weighted average of monthly capacity factors. Monthly factors are derived by dividing actual monthly generation by the maximum possible generation for the month (hours in month times net maximum dependable capacity).

Source: U.S. Energy Information Administration, *Annual Energy Review*.

## NO. 938. COMMERCIAL NUCLEAR POWER GENERATION, BY COUNTRY: 1970 TO 1986

[Generation for calendar years; other data as of December. Excludes Communist countries]

COUNTRY	REACTORS				ELECTRICITY GENERATED <sup>1</sup> (bil. kWh)				GROSS CAPACITY (1,000 kW)			
	1970	1980	1985	1986	1970	1980	1985	1986	1970	1980	1985	1986
Total	64	208	286	321	73.9	817.8	1,256.6	1,386.1	15,198	128,947	223,485	247,726
U.S.	15	74	89	98	23.2	265.2	399.1	433.8	5,211	56,529	80,327	87,241
Argentina	-	1	2	2	-	2.3	4.8	5.7	-	357	1,005	1,005
Belgium	1	3	7	7	.3	12.5	34.5	28.6	11	1,744	5,709	5,709
Brazil	-	-	1	1	-	-	3.4	1	-	-	657	657
Canada	1	9	15	17	9	40.4	82.9	74.5	220	5,588	10,332	11,813
China: Taiwan	-	2	6	6	-	6.2	26.7	26.9	-	1,272	5,146	5,146
Great Britain	27	33	37	38	26.5	37.2	59.6	59.1	4,783	9,012	12,260	12,786
Finland	-	4	4	4	-	7.0	18.8	18.8	-	2,296	2,400	2,400
France	4	22	44	49	5.7	81.2	224.0	254.2	1,006	15,412	38,595	47,156
India	2	4	5	6	2.2	2.9	4.4	5.1	400	860	1,095	1,330
Italy	3	4	3	3	3.3	2.2	7.0	8.7	631	1,490	1,330	1,330
Japan	3	22	33	33	3.3	81.0	152.0	184.9	828	15,117	24,686	24,686
Netherlands	1	2	2	2	.4	4.2	3.9	4.2	55	529	540	540
Pakistan	-	1	1	1	-	1	.3	5	-	137	137	137
South Korea	-	1	4	6	-	3.5	16.5	37.5	-	587	2,896	4,812
Spain	1	3	8	8	.9	5.2	28.0	37.5	180	1,117	5,812	5,812
Sweden	1	8	12	12	(2)	26.7	58.6	89.9	12	5,770	9,915	9,915
Switzerland	1	4	5	5	1.9	14.3	22.4	22.5	364	2,034	3,079	3,079
West Germany	4	11	16	17	5.3	43.7	125.7	117.4	907	8,998	18,912	18,295
Yugoslavia	-	-	1	1	-	-	4.1	4.1	-	-	664	664

- Represents zero. 2. Less than 50 million kWh. <sup>1</sup> Gross.

Source: McGraw-Hill, Inc., New York, NY, *Nuclear Week*, January issues. (Copyright.)

## NO. 939. URANIUM SUPPLY, ENRICHMENT, AND DISCHARGED COMMERCIAL REACTOR FUEL: 1970 TO 1986

[Years ending Dec. 31, except as noted. For explanation of kilogram, see weights and measures]

ITEM	Unit	1979	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>URANIUM (U<sub>3</sub>O<sub>8</sub>)</b>											
Production	Mil. lb.	25.81	23.20	37.47	43.70	38.47	26.67	21.16	14.88	11.31	13.20
Exports	Mil. lb.	4.20	1.00	6.20	5.80	4.40	6.20	3.30	2.20	5.30	1.80
Imports	Mil. lb.	-	1.40	3.00	3.60	8.60	17.10	8.20	12.50	11.70	11.10
Delivered price	Dol./lb.	(NA)	10.50	23.85	28.00	32.20	38.37	38.20	32.65	31.43	30.01
<b>ENRICHMENT</b>											
Enriched product <sup>1</sup>	Mil. Swu <sup>2</sup>	5.10	9.92	13.96	10.68	11.50	12.36	* 8.46	* 11.2	* 10.2	* 8.6
For domestic customers	Mil. Swu <sup>2</sup>	3.74	4.38	8.86	6.69	7.19	6.89	* 4.69	* 5.8	* 6.0	* 4.9
For foreign customers	Mil. Swu <sup>2</sup>	1.36	5.58	5.31	3.80	4.31	5.67	* 3.77	* 5.4	* 4.2	* 3.7
Sales <sup>3</sup>	Mil. dol.	(NA)	376	1,432	1,379	1,445	2,165	2,329	* 1,467	* 1,403	* 1,066
<b>DISCHARGED COMMERCIAL REACTOR FUEL <sup>4</sup></b>											
Annual discharge	Metric tons	82	499	1,258	1,193	1,077	1,014	1,224	1,257	1,330	1,411
Inventory, yearend <sup>5</sup>	Metric tons	118	1,538	5,241	8,434	7,511	8,525	9,749	11,008	12,461	13,861
On-site storage	Metric tons	(NA)	(NA)	(NA)	(NA)	7,032	8,046	9,300	10,642	11,888	13,267
Off-site storage	Metric tons	(NA)	(NA)	(NA)	(NA)	479	479	449	364	526	814

- Represents zero. NA. Not available. <sup>1</sup> Based on sales. <sup>2</sup> Separate work unit. The standard measure of enrichment services is based on operating late assay in effect at the time the enriched product was placed in inventory. <sup>3</sup> Jan.-Sept. only.

<sup>4</sup> Fiscal years. <sup>5</sup> Uranium content. Source: Nuclear Assurance Corporation, Atlanta, GA. <sup>6</sup> Reprocessed fuel not included as inventory.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, *Uranium Industry Annual 1984*, and Form EIA-858 "Uranium Industry Annual Survey" (1985); and U.S. Dept. of Energy, *Statistical Data of the Uranium Industry 1983* and *Uranium Enrichment Annual Report 1983-1985* and unpublished data.

No. 940. NUCLEAR POWER PLANTS—NUMBER OF UNITS, NET SUMMER CAPABILITY, AND NET GENERATION BY STATE: 1986

DIVISION AND STATE	Num-ber of units	NET SUMMER CAPABILITY		NET GENERATION		DIVISION AND STATE	Num-ber of units	NET SUMMER CAPABILITY		NET GENERATION	
		Total (mil. kW)	Per-cent of total	Total (mil. kWh)	Per-cent of total			Total (mil. kW)	Per-cent of total	Total (mil. kWh)	Per-cent of total
U.S.....	100	83.3	12.8	414,038	15.7	So. Atl.—Con.					
N. Eng.....	8	5.4	24.4	28,388	36.8	WV.....	-	-	-	-	-
ME.....	1	.8	35.2	6,242	57.3	NC.....	4	3.9	20.3	20,286	26.4
NH.....	-	-	-	-	-	SC.....	7	8.4	43.0	36,825	63.0
VT.....	1	.5	44.6	2,058	65.4	GA.....	2	1.5	8.6	7,238	9.7
MA.....	2	.8	8.5	2,420	6.0	FL.....	5	3.8	12.1	22,036	20.3
RI.....	-	-	-	-	-	E. So. Cent.....	8	8.3	12.9	15,544	7.4
CT.....	4	3.2	45.5	18,867	56.0	KY.....	-	-	-	-	-
Mtd. Atl.....	18	14.4	19.2	76,878	25.7	TN.....	2	2.3	13.5	<sup>1</sup> - 10.5	(X)
NY.....	5	3.7	12.4	22,984	19.8	AL.....	5	4.8	25.8	11,561	16.9
NJ.....	4	3.9	28.7	14,770	51.3	MS.....	1	1.1	16.1	4,087	21.5
PA.....	7	6.8	21.6	39,820	27.0	W. So. Cent.....	4	3.7	3.9	19,513	6.7
E. No. Cent.....	28	16.0	14.6	68,084	15.9	AR.....	2	1.7	17.8	8,878	25.3
OH.....	2	2.0	7.7	24	(Z)	LA.....	2	2.0	11.8	10,637	20.1
IN.....	-	-	-	-	-	OK.....	-	-	-	-	-
IL.....	9	8.4	28.9	42,614	40.0	TX.....	-	-	-	-	-
MI.....	5	4.0	17.9	12,257	16.1	MN.....	3	2.7	5.8	10,838	4.8
WI.....	4	1.5	14.1	11,199	25.2	MT.....	-	-	-	-	-
W. No. Cent.....	8	5.8	10.4	35,832	19.4	ID.....	-	-	-	-	-
MN.....	3	1.8	19.7	11,052	36.9	WY.....	-	-	-	-	-
IA.....	1	.5	6.4	2,993	12.4	CO.....	1	.2	2.9	52	.2
MO.....	1	1.1	7.4	7,170	13.2	NM.....	-	-	-	-	-
ND.....	-	-	-	-	-	AZ.....	2	2.5	20.5	9,976	19.5
SD.....	-	-	-	-	-	UT.....	-	-	-	-	-
NE.....	2	1.2	22.3	7,658	40.7	NV.....	-	-	-	-	-
KS.....	1	1.2	11.8	6,959	23.6	Pac.....	9	8.3	10.7	41,735	15.9
So. Atl.....	24	20.7	16.9	119,228	24.7	WA.....	2	1.9	7.8	8,439	9.1
DE.....	-	-	-	-	-	OR.....	1	1.1	9.7	7,081	14.8
MD.....	2	1.7	17.2	12,828	34.0	CA.....	6	5.6	12.7	26,215	21.5
DC.....	-	-	-	-	-	AK.....	-	-	-	-	-
VA.....	4	3.4	26.4	21,215	50.0	HI.....	-	-	-	-	-

- Represents zero. X Not applicable. Z Less than .05 percent. <sup>1</sup> Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Source: U.S. Energy Information Administration, *Electric Power Annual*, and *Inventory of Power Plants in the United States, 1986*.

No. 941. PRIVATELY OWNED GAS UTILITY INDUSTRY—BALANCE SHEET AND INCOME ACCOUNT: 1970 TO 1985

[In millions of dollars. The gas utility industry consists of pipeline and distribution companies. Excludes operations of companies distributing gas in bottles or tanks. See also *Historical Statistics, Colonial Times to 1970*, series S 205-218]

ITEM	1970	1970	1979	1970	1986	1981	1982	1989	1984	1986
COMPOSITE BALANCE SHEET										
Assets, total <sup>1</sup> .....	34,929	50,286	62,918	70,246	75,725	88,084	98,933	100,489	98,933	104,478
Total utility plant.....	38,541	49,384	59,033	62,710	68,767	72,917	78,479	82,038	83,118	88,121
Depreciation and amortization.....	10,696	16,779	22,861	24,400	28,062	28,908	31,388	34,208	35,542	36,377
Utility plant (net).....	27,845	32,605	36,172	38,310	40,705	44,009	47,081	47,380	47,576	51,744
Investment and fund accounts <sup>1</sup> .....	3,024	9,198	12,805	14,097	15,625	19,368	20,750	21,531	21,872	23,871
Current and accrued assets.....	3,674	7,543	12,129	15,427	17,211	20,563	23,576	27,571	25,367	24,771
Deferred debits <sup>2</sup> .....	398	940	1,815	2,411	2,164	2,954	3,586	3,567	4,118	4,082
Liabilities, total <sup>1</sup> .....	34,929	50,286	62,918	70,246	75,725	88,084	98,933	100,489	98,933	104,478
Capitalization, total <sup>1</sup> .....	26,646	39,044	45,630	46,165	51,299	57,512	62,380	65,040	64,458	68,789
Capital stock <sup>1</sup> .....	12,965	19,500	25,585	27,135	29,262	33,041	36,161	38,488	38,959	39,517
Long-term debts.....	15,681	19,544	20,245	21,030	22,037	24,471	26,229	26,552	25,499	28,282
Current and accrued liabilities.....	4,832	8,158	11,704	16,024	18,107	22,134	23,809	25,150	23,043	28,125
Deferred income taxes <sup>3</sup> .....	786	2,052	2,991	3,798	4,144	4,972	5,473	6,537	7,000	7,769
Other liabilities and credits.....	683	1,032	2,383	2,257	2,175	2,276	3,331	3,772	4,432	4,785
COMPOSITE INCOME ACCOUNT										
Operating revenues, total.....	16,380	30,550	52,995	68,931	85,807	101,593	115,673	116,086	115,481	103,946
Operating expenses <sup>4</sup> .....	14,306	27,480	49,272	62,867	81,517	96,917	110,299	110,142	100,165	98,320
Operation and maintenance.....	11,636	22,957	43,108	56,281	74,433	89,108	101,548	100,486	98,953	89,572
Federal, State, and local taxes.....	1,569	2,763	3,950	4,294	4,653	5,066	5,604	6,506	7,148	6,580
Operating income.....	2,074	3,070	3,723	4,043	4,290	4,676	5,414	5,954	6,326	5,625
Utility operating income.....	2,159	3,221	3,944	4,295	4,633	5,067	5,819	6,303	6,647	6,030
Income before interest charges <sup>1</sup> .....	2,457	4,137	5,365	6,303	7,112	8,369	8,742	8,717	9,088	7,836
Net income <sup>1</sup> .....	1,427	2,502	3,443	4,206	4,377	5,145	5,072	5,159	5,619	3,789
Dividends.....	1,009	1,509	2,117	2,362	2,566	3,064	3,297	3,636	4,471	4,080

<sup>1</sup> Beginning 1975, not comparable with 1970 due to Federal Power Commission ruling requiring adoption of the equity method in reporting earnings of subsidiaries. <sup>2</sup> Includes capital stock discount and expense and reacquired securities. <sup>3</sup> Includes reserves for deferred income taxes. <sup>4</sup> Includes expenses not shown separately.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

## No. 942. GAS UTILITY INDUSTRY—SUMMARY: 1970 TO 1985

[Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately and municipally owned gas utilities in U.S., except those with annual revenues less than \$25,000. See also *Historical Statistics, Colonial Times to 1970*, series S 190-204]

Item	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
<b>Customers<sup>1</sup></b>											
Residential	1,000	41,482	44,555	45,789	46,478	47,225	47,947	48,415	48,789	49,325	49,871
Commercial	1,000	38,097	40,950	42,183	42,821	43,489	44,149	44,552	44,894	45,367	45,929
Industrial and other	1,000	3,131	3,387	3,370	3,423	3,500	3,584	3,631	3,678	3,730	3,818
<b>Sales<sup>2</sup></b>	Tril. Btu <sup>3</sup>	18,044	14,863	14,748	15,440	15,413	15,375	14,183	12,868	13,182	12,518
Residential	Tril. Btu	4,923	4,991	5,107	5,083	4,826	4,610	4,770	4,450	4,628	4,513
Percent of total	Percent	30.7	33.6	34.6	32.9	31.3	30.0	33.8	34.6	35.2	36.8
Commercial	Tril. Btu	2,007	2,387	2,500	2,485	2,453	2,376	2,471	2,298	2,396	2,338
Industrial	Tril. Btu	8,439	6,837	6,841	7,555	7,957	8,239	6,795	5,970	5,991	5,635
Other	Tril. Btu	674	648	301	315	177	150	147	140	147	130
<b>Revenues<sup>4</sup></b>	Mil. dol.	10,283	18,101	32,130	34,947	48,305	58,110	63,300	65,837	67,496	63,293
Residential	Mil. dol.	5,207	8,445	12,939	14,833	17,432	19,180	23,700	26,173	27,485	26,864
Percent of total	Percent	50.6	44.2	40.2	38.1	36.1	34.2	37.5	39.8	40.7	42.4
Commercial	Mil. dol.	1,620	3,302	5,606	6,824	8,183	9,298	11,666	12,659	13,205	12,722
Industrial	Mil. dol.	3,181	6,745	13,095	16,961	22,215	27,124	27,300	26,315	26,094	23,088
Other	Mil. dol.	274	608	450	530	473	520	634	690	712	621
<b>Prices per mil. Btu<sup>5</sup></b>	Dollars	.84	1.29	2.19	2.52	3.13	3.65	4.48	5.12	5.13	5.02
Residential	Dollars	1.06	1.69	2.53	2.92	3.51	4.18	4.97	5.88	5.94	5.95
Commercial	Dollars	.81	1.38	2.28	2.66	3.34	3.91	4.72	5.51	5.51	5.44
Industrial	Dollars	.38	.89	1.91	2.24	2.79	3.29	4.00	4.41	4.36	4.10
<b>Gas mains mileage</b>	1,000	813	980	1,013	1,030	1,052	1,070	1,083	1,085	1,102	1,119
Field and gathering	1,000	66	68	75	78	84	86	90	92	94	84
Transmission	1,000	252	263	281	263	266	270	272	273	272	271
Distribution	1,000	595	649	678	688	702	714	721	730	736	754
<b>Construction expenditures<sup>6</sup></b>	Mil. dol.	2,588	2,486	3,581	4,366	5,350	6,388	5,939	4,078	4,846	5,871
Transmission	Mil. dol.	1,019	580	935	1,226	1,563	2,352	1,921	1,065	1,301	1,582
Distribution	Mil. dol.	913	910	1,228	1,448	1,868	1,995	1,981	1,845	2,268	2,577
Production and storage	Mil. dol.	370	831	1,202	1,408	1,546	1,672	1,690	746	543	965

<sup>1</sup> Annual average. <sup>2</sup> Excludes sales for resale. <sup>3</sup> For definition, see text, section 19. <sup>4</sup> Includes general.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

## No. 943. GAS UTILITY INDUSTRY—CUSTOMERS, SALES, AND REVENUES, BY STATE: 1985

[See headnote, table 942]

DIVISION AND STATE	CUSTOMERS <sup>1</sup> (1,000)		SALES <sup>2</sup> (Tril. Btu <sup>3</sup> )		REVENUES <sup>4</sup> (mil. dol.)		DIVISION AND STATE	CUSTOMERS <sup>1</sup> (1,000)		SALES <sup>2</sup> (Tril. Btu <sup>3</sup> )		REVENUES <sup>4</sup> (mil. dol.)	
	Total <sup>5</sup>	Residential	Total <sup>5</sup>	Residential	Total <sup>5</sup>	Residential		Total <sup>5</sup>	Residential	Total <sup>5</sup>	Residential	Total <sup>5</sup>	Residential
<b>U.S.</b>	49,871	45,929	12,518	4,513	63,293	26,864	<b>So. Atl.—</b>						
<b>N. Eng.</b>	1,839	1,884	349	180	2,288	1,161	<b>Con.</b>						
ME	15	12	2	(2)	19	5	VA	564	512	124	43	737	306
NH	56	50	11	5	71	34	WV	367	355	78	38	442	231
VT	16	16	5	2	30	11	NC	445	393	125	30	670	193
MA	1,130	1,042	221	94	1,389	712	SC	319	286	94	17	480	109
RI	185	170	31	16	207	118	GA	1,196	1,103	271	80	1,438	580
CT	433	394	79	34	573	301	FL	461	421	233	14	911	100
<b>Mid. Atl.</b>	6,383	7,737	1,800	732	8,488	5,251	<b>E. So. Cent.</b>	2,299	2,069	826	175	2,847	866
NY	4,024	3,753	839	327	4,198	2,469	KY	644	584	142	61	694	321
NJ	1,955	1,760	335	154	2,145	1,126	TN	550	476	164	40	737	201
PA	2,384	2,223	526	251	3,123	1,536	AL	688	635	179	47	861	292
							MS	404	363	141	27	555	142
<b>E. So. Cent.</b>	11,119	10,247	2,997	1,405	15,255	8,064	<b>W. So. Cent.</b>	5,848	5,334	2,330	400	8,063	2,099
OH	2,794	2,586	625	341	3,414	1,982	AR	531	469	143	41	560	178
IN	1,310	1,187	399	147	1,862	806	LA	986	826	285	61	1,119	336
IL	3,356	3,081	901	454	4,546	2,439	OK	803	614	263	78	983	345
MI	2,551	2,372	667	346	3,779	2,085	TX	3,418	3,123	1,639	220	6,401	1,230
WI	1,108	1,011	305	117	1,634	752	<b>Mid.</b>	3,041	2,763	966	259	3,061	1,398
<b>W. So. Cent.</b>	4,373	3,838	1,144	482	5,273	2,421	MT	189	167	44	21	204	93
MN	910	824	251	107	1,277	612	ID	117	101	33	8	172	54
IA	784	681	217	79	989	421	WY	128	114	38	14	183	70
MO	1,241	1,145	256	129	1,277	707	CO	1,011	904	192	90	908	480
ND	95	83	22	10	119	56	NM	367	330	75	26	351	158
SD	110	98	25	11	126	64	AZ	595	549	119	30	574	199
NE	468	405	124	48	537	236	UT	433	403	113	54	453	246
KS	787	702	249	78	938	321	NV	201	185	41	14	228	89
<b>So. Atl.</b>	4,406	4,628	1,085	314	5,787	2,108	<b>Pac.</b>	8,896	8,182	2,029	616	16,282	3,435
DE	85	79	23	6	125	44	WA	401	351	134	33	720	212
MD	803	748	119	64	780	452	OR	304	265	77	22	433	149
DC	145	131	28	12	206	94	CA	7,888	7,445	1,763	547	8,970	3,017
							AK	72	62	43	13	95	36
							HI	33	29	3	1	11	11

Z Less than 500. <sup>1</sup> Averages for the year. <sup>2</sup> Includes other service, not shown separately.

<sup>3</sup> Excludes sales for resale. <sup>4</sup> For definition, see headnote, table 904.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

## No. 944. WOOD ENERGY CONSUMPTION, BY REGION AND SECTOR: 1980 TO 1984

[In trillions of Btu, except percent. For composition of regions, see fig. 1, inside front cover]

YEAR	Total	Percent of total energy consumption	REGION				SECTOR			
			North-east	Mid-west	South	West	Resi-dential	Indus-trial	Com-mercial	Elec-tricity
1980	2,483	3.2	388	329	1,360	358	859	1,800	21	4
1981	2,412	3.2	389	331	1,291	402	859	1,518	21	3
1982	2,395	3.3	351	339	1,334	372	837	1,434	22	2
1983	2,556	3.5	389	318	1,471	389	925	1,808	22	3
1984	2,633	3.4	348	341	1,482	461	923	1,879	22	9

## No. 945. HOUSEHOLDS THAT BURN WOOD: 1980 TO 1984

[Data are not available for 1983. Based on Residential Energy Consumption Survey; see Appendix III]

ITEM	Unit	HOUSEHOLDS THAT BURN WOOD				HOUSEHOLDS THAT BURN WOOD AS MAIN HEATING FUEL			
		1980	1981	1982	1984	1980	1981	1982	1984
Number of households	Millions	21.6	22.8	21.4	22.9	4.7	5.3	5.6	6.4
Percent of all households	Percent	26.4	27.4	25.6	26.6	5.8	6.4	6.7	7.5
Number of cords burned	Millions	42.7	44.0	49.6	49.0	22.4	24.7	28.7	29.4
Average number per household	Number	2.0	1.9	2.3	2.1	4.7	4.6	5.1	4.6
Median number per household	Number	7	1.0	1.0	1.0	3.3	3.0	4.0	4.0
Wood energy consumption	Trl. Btu	854	881	871	861	448	489	574	581

Source of tables 944 and 945: U.S. Energy Information Administration, *Annual Energy Review*.

## No. 946. WATER POWER—DEVELOPED AND UNDEVELOPED CAPACITY, BY DIVISION: 1950 TO 1986

[In millions of kilowatts. As of Dec. 31. Excludes Alaska and Hawaii for 1980 and all capacity of reversible equipment at pumped storage projects. Also excludes capacity precluded from development due to wild and scenic river legislation. For composition of division, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1870*, series S 160-178]

DIVISION	DEVELOPED INSTALLED CAPACITY							ESTIMATED UNDEVELOPED CAPACITY						
	1950	1960	1970	1975	1980	1985	1986	1980	1985	1975	1975	1980	1985	1986
U.S.	18.7	33.2	52.0	57.6	64.4	66.8	66.8	87.8	114.2	126.6	118.7	128.9	76.4	74.4
New England	1.2	1.5	1.5	1.5	1.5	1.7	1.7	3.3	2.9	3.3	3.3	4.7	4.4	4.3
Middle Atlantic	1.7	2.5	4.3	4.2	4.3	4.5	4.5	6.6	7.8	4.5	4.3	5.1	5.4	5.2
E. No. Central	9	9	9	9	9	1.1	1.1	2.3	3.0	1.6	1.4	1.4	1.8	1.8
W. No. Central	6	1.6	2.7	2.8	2.8	2.9	3.0	5.8	6.4	4.4	2.1	3.4	3.1	3.0
South Atlantic	2.6	3.8	5.3	5.8	5.9	6.5	6.7	8.2	8.4	9.8	8.4	9.6	7.4	7.3
E. So. Central	2.7	3.6	5.2	5.5	5.6	5.9	5.9	4.7	4.8	3.8	3.1	3.3	2.7	2.9
W. So. Central	5	9	1.9	2.3	2.3	2.3	2.3	3.8	3.8	3.3	2.7	4.7	5.4	5.2
Mountain	2.3	4.6	6.2	6.6	7.4	8.1	8.2	23.4	23.6	26.7	19.6	34.2	19.4	19.2
Pacific	8.0	13.8	23.9	27.2	33.7	35.8	36.1	29.6	53.8	70.9	68.6	82.9	28.8	28.1

Source: U.S. Federal Energy Regulatory Commission, (formerly U.S. Federal Power Commission), *Hydroelectric Power Resources of the United States, Developed and Undeveloped*, January 1, 1984; and unpublished data.

## No. 947. SOLAR COLLECTOR SHIPMENTS, BY TYPE, END-USE, AND MARKET SECTOR: 1974 TO 1986

[In thousands of square feet, except number of manufacturers. Solar collector is a device for intercepting sunlight, converting the sunlight to heat, and carrying the heat to where it will be either used or stored. 1985 data are not available]

YEAR	Number of manufacturers	Total shipments <sup>1</sup>	COLLECTOR TYPE		END USE			MARKET SECTOR		
			Low temperature	Medium temperature, special, other	Pool heating	Hot water	Space heating	Residential	Commercial	Industrial
1974	45	1,274	1,137	137	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975	131	3,743	3,026	717	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1976	186	5,801	3,876	1,925	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977	321	10,312	4,743	5,569	6,334	1,713	1,899	7,978	1,890	106
1978	340	10,880	5,872	4,998	5,970	2,513	1,736	8,086	1,848	363
1979	349	14,251	8,395	5,857	8,551	2,958	1,722	11,367	2,015	314
1980	233	19,368	12,233	7,135	12,029	4,790	1,888	16,077	2,417	499
1981	203	20,133	8,677	11,456	9,781	7,204	2,017	15,773	2,551	1,516
1982	265	18,821	7,476	11,145	7,035	7,444	2,367	13,729	3,789	588
1983	203	16,828	4,853	11,975	4,839	9,323	2,082	11,780	3,039	1,005
1984	224	16,419	4,479	11,939	4,427	8,930	2,370	13,960	2,091	288
1986 <sup>2</sup>	97	4,882	3,751	1,111	3,484	1,181	127	4,131	709	19

NA: Not available. <sup>1</sup> Includes other end uses and market sectors not shown separately. <sup>2</sup> Declines between 1984 and 1986 are primarily due to the expiration of the Federal energy tax credit and industry consolidation.Source: U.S. Energy Information Administration, *Solar Collector Manufacturing Activity*, annual.



## Section 20

# Science

This section presents statistics on scientific, engineering, and technological resources, with emphasis on patterns of research and development (R&D) funding and on scientific, engineering, and technical personnel, education, and employment. Also included are statistics on space program plans and accomplishments. Principal sources of these data are the National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA).

NSF gathers data chiefly through recurring surveys. Current NSF publications containing data on R&D for research and development and on scientific and engineering personnel include *Science Resources Studies Highlights*; and annual, biennial, and special reports such as *Federal Funds for Research and Development*; *Research and Development in Industry*; *National Patterns of Science and Technology Resources*; *Academic Science/Engineering: R&D Funds, Scientists and Engineers, Graduate Enrollment and Support*; *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*; *Characteristics of Doctoral Scientists and Engineers in the United States*; *U.S. Scientists and Engineers: Employment Attitudes of Recent Science and Engineering Graduates*; *Science and Engineering Employment*; *Characteristics of Experienced Scientists and Engineers*; *Scientists, Engineers, and Technicians in Private Industry*; *Science and Engineering Personnel: A National Review*; *Science and Technology Data Book*; *Women and Minorities in Science and Engineering*; and policy reports relating to national allocation of human resources and funds to science and technology. Statistical surveys in these areas pose particularly difficult problems of concept and definition and the data should, therefore, be regarded as broad estimates rather than precise quantitative statements. Detailed discussions of the scope and limitations of the data appear in the source publications.

The National Science Board's biennial *Science Indicators* publication contains data and analyses of international and domestic science and technology, including measures of inputs and outputs. The *Budget of the United States Government*, published by the U.S. Office of Management and Budget, contains summary financial data on Federal R&D programs.

**Research and development outlays.**—NSF defines research as a "systematic and intensive study directed toward a fuller knowledge of the subject studied" and development as "the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, methods, or processes." National coverage of R&D expenditures is developed primarily from periodic surveys in four principal economic sectors: (1) *Government*, made up primarily of Federal executive agencies; (2) *Industry*, consisting of manufacturing and nonmanufacturing firms and the federally funded research and development centers (FFRDC's) they administer; (3) *Universities and colleges*, composed of universities, colleges, and their affiliated institutions, agricultural experiment stations, and associated schools of agriculture, and FFRDC's administered by educational institutions; and (4) *other nonprofit institutions*, consisting of such organizations as private philanthropic institutions, nonprofit research institutes, voluntary health agencies, and FFRDC's administered by nonprofit organizations. The R&D funds reported consist of current operating costs, including planning and administration costs, except as otherwise noted. They exclude funds for routine testing, mapping and surveying, collection of general-purpose data, dissemination of scientific information, and training of scientific personnel.

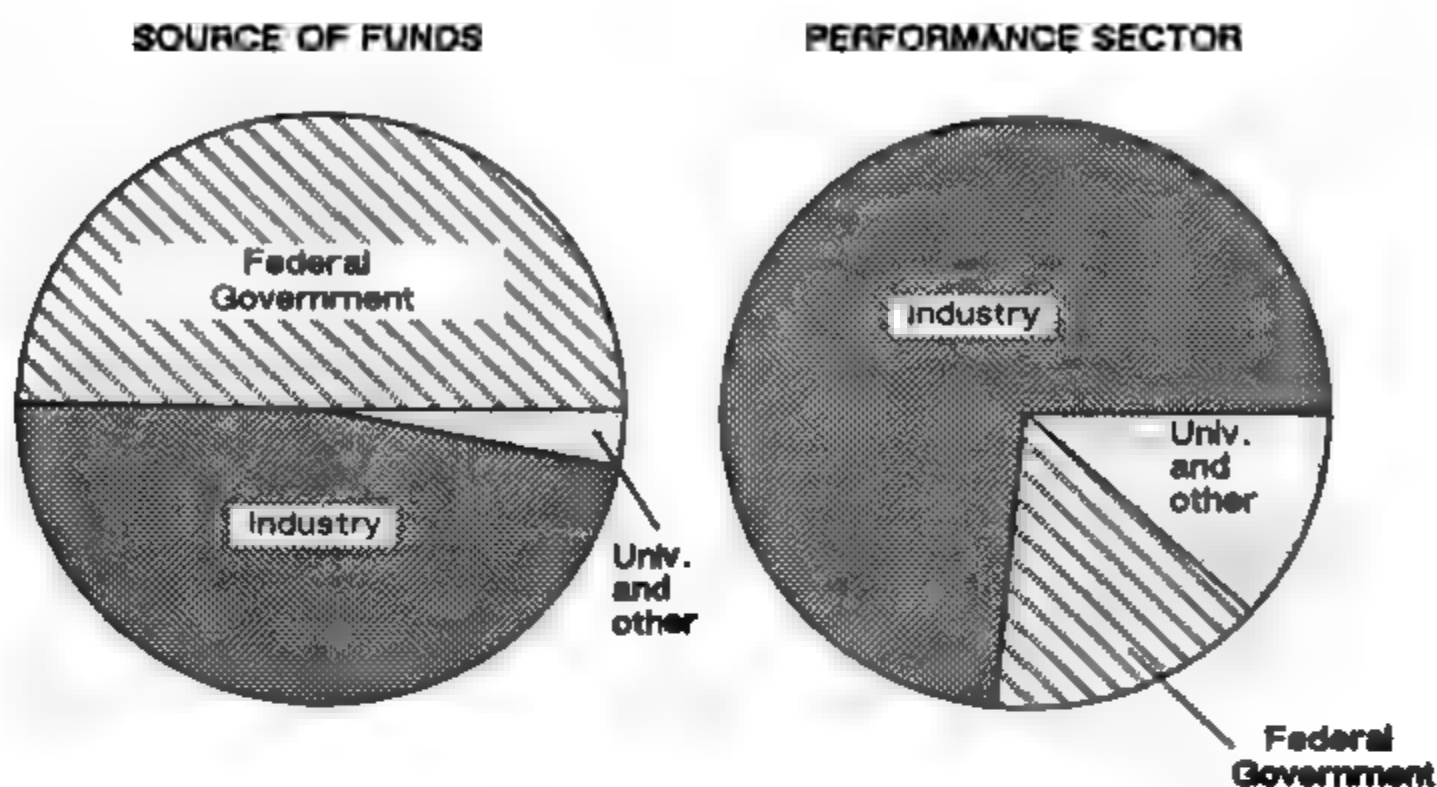
**Scientists, engineers, and technicians.**—Scientists and engineers are defined as persons engaged in scientific and engineering work at a level requiring a knowledge of sciences equivalent at least to that acquired through completion of a 4-year college course. Technicians are defined as persons engaged in technical work at a level requiring knowledge acquired through a technical institute, junior college, or other type of training less extensive than 4-year college training. Craftsmen and skilled workers are excluded.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1980*. For cross-references, see Appendix V.

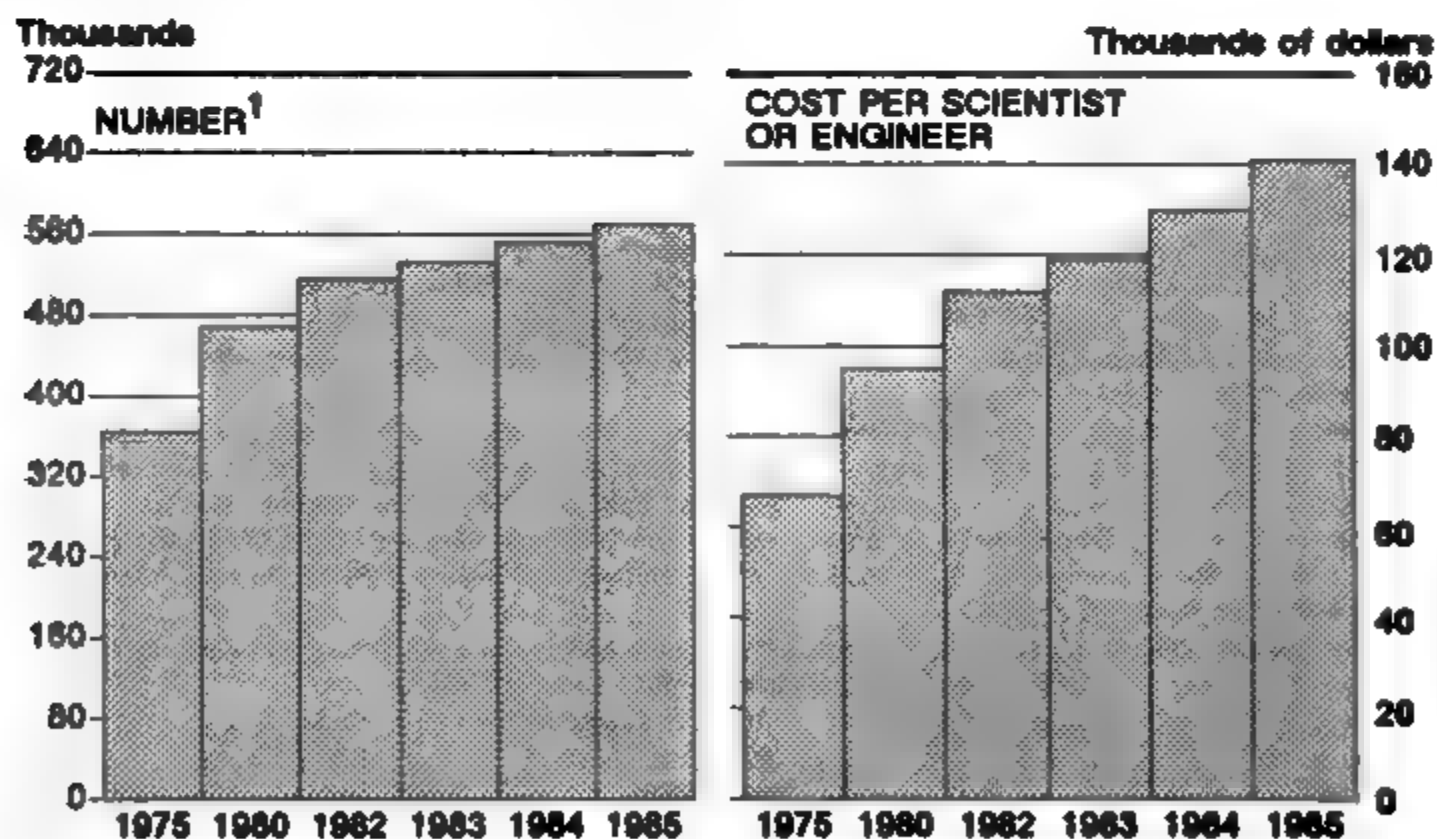


**Figure 20.1**  
**Research and Development Funds-Percent Distribution: 1987**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 949.

**Figure 20.2**  
**Research and Development Scientists and Engineers in Private Industry: 1975 to 1985**



<sup>1</sup> Average full-time equivalent employment.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 963.

## No. 948. RESEARCH AND DEVELOPMENT (R&amp;D)—OUTLAYS: 1955 TO 1987

basic research, applied research, and development. Defense-related outlays comprise all research and development by Dept. of Defense, including space activities, and a portion of Department of Energy funds. Space-related outlays are of the National Aeronautics and Space Administration; they exclude space activities of other Federal agencies, estimated at 5 percent of all space research and development spending. Minus sign (-) indicates decrease]

FISCAL YEAR PERIOD	CURRENT DOLLARS (bil. dol.)			CONSTANT (1982) DOLLARS		ANNUAL PERCENT CHANGE <sup>2</sup>		PERCENT OF TOTAL R & D OUTLAYS					
								Federally funded defense/space- related			Other outlays		
	Total <sup>1</sup>	De- fense space re- lated	Other	Total (bil. dol.)	Per- cent of GNP <sup>3</sup>	Cur- rent dol- lars	Con- stant dol- lars	Total	De- fense	Space	Total	Non- Fed- eral	Fed- eral
1955	8.2	3.0	3.1	22.8	1.6	9.4	8.1	49	48	1	51	45	6
1956	13.5	7.4	8.1	43.8	2.6	13.8	11.4	56	52	3	45	36	9
1957	14.3	8.0	8.3	45.8	2.7	5.8	4.8	56	50	6	44	36	9
1958	15.4	8.5	8.8	48.2	2.7	7.5	5.3	55	48	7	46	36	9
1959	17.1	9.4	7.7	52.6	2.8	10.8	9.2	55	41	14	46	34	11
1960	18.9	10.8	8.3	57.2	2.9	10.5	8.8	56	37	19	44	34	9
1961	20.0	10.8	8.2	59.4	2.8	8.3	3.8	54	33	21	46	36	11
1962	21.8	11.4	10.5	62.8	2.8	9.0	5.5	52	33	19	48	36	12
1963	23.1	11.3	11.8	64.4	2.8	6.0	2.8	49	36	14	51	38	13
1964	24.6	11.8	12.8	65.5	2.8	6.3	1.8	48	36	13	52	39	13
1965	25.6	11.5	14.1	64.7	2.7	4.2	-1.2	46	34	11	56	42	13
1966	26.1	11.2	14.9	62.4	2.6	2.0	-3.5	43	33	10	57	43	14
1967	26.7	10.8	15.7	60.4	2.4	2.1	-3.2	41	32	9	59	44	15
1968	28.5	11.7	16.8	61.4	2.4	6.8	1.7	41	32	9	59	44	15
1969	30.7	11.7	19.0	62.4	2.3	7.8	1.8	38	30	8	62	47	15
1970	32.8	11.5	21.4	61.5	2.2	7.0	-1.5	36	27	8	65	49	16
1971	35.2	12.0	23.2	59.9	2.2	7.1	-2.6	34	26	8	66	49	17
1972	38.0	13.3	25.7	62.1	2.2	10.8	3.8	34	26	8	66	49	17
1973	42.6	14.1	28.7	63.7	2.2	9.8	2.4	33	25	8	67	50	17
1974	48.1	14.9	33.2	66.8	2.1	12.5	4.9	31	24	7	69	50	19
1975	54.9	16.5	38.5	70.1	2.2	14.1	5.0	30	23	7	70	51	19
1976	62.8	18.2	44.5	73.2	2.3	13.9	4.5	29	22	7	71	53	18
1977	71.8	21.6	50.3	78.8	2.4	14.8	3.9	30	23	7	70	54	18
1978	79.3	25.4	53.9	79.3	2.5	10.4	3.5	32	25	7	68	54	14
1979	87.2	29.6	57.6	83.8	2.6	9.9	5.8	34	27	7	66	53	13
1980	97.6	33.2	64.4	90.5	2.6	12.0	7.5	34	28	6	66	54	12
1981	107.5	38.8	67.7	96.6	2.7	10.1	6.6	37	31	6	63	52	11
1982	118.8	45.5	71.3	102.2	2.8	8.7	5.9	38	32	7	61	51	10
1983	124.2	48.5	75.7	105.4	2.8	8.4	3.1	38	32	7	61	51	10

See revisions not shown in detail. <sup>1</sup> GNP—Gross national product. <sup>2</sup> Change from prior year shown; 1955 change is 0.

U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual; and unpublished

## No. 949. RESEARCH AND DEVELOPMENT (R&amp;D)—SOURCE OF FUNDS AND PERFORMANCE SECTOR: 1960 TO 1987

[In millions of dollars. See headnote, table 900]

YEAR	Total	SOURCE OF FUNDS				PERFORMANCE SECTOR				
		Federal Govt.	Industry	Univ., colleges	Other <sup>1</sup>	Federal Govt.	Industry	Univ., colleges	Associated FFRDC's <sup>2</sup>	Other <sup>3</sup>
Dollars:										
	13,523	8,736	4,516	149	120	1,726	10,509	648	380	282
	26,134	14,892	10,444	481	337	4,079	18,067	2,335	737	916
	36,213	18,109	15,820	749	535	5,354	24,187	3,408	987	1,276
	62,593	29,451	30,911	1,323	908	7,632	44,505	6,060	2,246	2,180
	71,840	33,405	35,944	1,520	971	8,425	51,810	6,619	2,486	2,300
	79,318	36,505	40,096	1,890	1,025	9,141	57,995	7,278	2,479	2,425
	87,204	40,671	43,515	1,881	1,137	10,582	63,403	7,807	2,737	2,675
	87,839	45,341	49,086	2,024	1,208	11,572	71,471	8,503	3,118	2,975
	107,462	51,330	52,689	2,259	1,304	12,996	78,181	9,504	3,529	3,250
	116,793	57,219	55,889	2,500	1,375	13,533	85,560	10,800	3,600	3,400
	124,250	61,360	58,770	2,700	1,430	15,000	90,700	11,160	3,800	3,600
(1982) dollars:										
	43,848	28,191	14,581	479	387	5,548	33,955	2,077	1,157	911
	82,405	35,836	24,851	1,111	807	8,834	42,986	5,829	1,777	2,179
	99,883	39,986	28,679	1,302	916	9,308	40,781	5,927	1,716	2,151
	73,235	34,548	36,084	1,561	1,066	9,006	51,919	7,161	2,650	2,508
	76,810	35,685	38,257	1,831	1,037	9,039	55,140	7,316	2,867	2,448
	79,318	36,505	40,096	1,890	1,025	9,141	57,995	7,278	2,479	2,425
	83,881	39,097	41,898	1,806	1,093	10,153	61,047	7,480	2,826	2,578
	90,542	42,008	45,544	1,871	1,119	10,696	66,343	7,859	2,882	2,762
	98,556	46,078	47,285	2,023	1,170	11,638	70,328	8,508	3,180	2,923
	102,236	50,024	48,834	2,177	1,201	11,763	75,107	9,229	3,136	2,981
	105,384	52,003	49,883	2,286	1,212	12,898	76,866	9,438	3,217	3,054

ally-funded R&D centers. <sup>2</sup> Nonprofit institutions.

: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

# NO. 950. RESEARCH AND DEVELOPMENT (R&D) FUNDS, BY PERFORMANCE SECTOR AND SOURCE: 1970 TO 1987

[In millions of dollars, except percent. Data primarily on calendar year basis—calendar year data for industry and other nonprofit institutions combined with Federal and university fiscal year data. Data refer, in general, to natural sciences including engineering, and to social sciences in all but industry sector. Excludes capital expenditures data. Expenditures at associated federally funded research and development centers administered by industry and other nonprofit institutions included in totals of respective sectors. See also *Historical Statistics, Colonial Times to 1970*, series W 109-125]

PERFORMANCE SECTOR AND SOURCE OF FUNDS	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.
<b>Total R&amp;D<sup>1</sup></b>	<b>38,134</b>	<b>55,213</b>	<b>71,840</b>	<b>71,840</b>	<b>79,318</b>	<b>87,204</b>	<b>87,639</b>	<b>107,462</b>	<b>116,783</b>	<b>124,288</b>
In 1982 dollars	52,405	59,883	73,235	78,810	79,318	83,891	90,542	98,556	102,236	105,364
Percent Federal as source	57.0	51.4	47.1	48.5	48.0	48.6	48.4	47.8	49.0	49.4
Percent of gross national product	2.6	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.8
<b>Federal Government</b>	<b>4,079</b>	<b>5,354</b>	<b>7,632</b>	<b>8,425</b>	<b>9,141</b>	<b>10,582</b>	<b>11,572</b>	<b>12,999</b>	<b>13,533</b>	<b>15,000</b>
<b>Industry</b>	<b>18,087</b>	<b>24,187</b>	<b>44,505</b>	<b>51,810</b>	<b>57,996</b>	<b>63,403</b>	<b>71,471</b>	<b>78,181</b>	<b>85,880</b>	<b>90,700</b>
Federal funds	7,779	8,605	14,029	16,382	18,483	20,542	23,163	26,485	30,896	33,000
Industry funds	10,288	15,582	30,476	35,428	39,512	42,861	48,308	51,696	54,724	57,700
<b>Universities and colleges</b>	<b>2,935</b>	<b>3,409</b>	<b>6,060</b>	<b>6,819</b>	<b>7,278</b>	<b>7,607</b>	<b>8,503</b>	<b>9,504</b>	<b>10,800</b>	<b>11,150</b>
Federal funds	1,648	2,288	4,090	4,562	4,752	4,860	5,388	6,003	6,750	7,000
Industry funds	81	113	237	291	334	379	458	538	600	670
University and college funds <sup>2</sup>	481	749	1,318	1,520	1,880	1,861	2,024	2,258	2,500	2,700
Other nonprofit institutions funds <sup>3</sup>	185	269	409	446	500	587	633	704	750	780
<b>Universities and colleges, associated federally funded R&amp;D centers</b>	<b>737</b>	<b>987</b>	<b>2,248</b>	<b>2,488</b>	<b>2,479</b>	<b>2,737</b>	<b>3,118</b>	<b>3,529</b>	<b>3,600</b>	<b>3,600</b>
<b>Other nonprofit institutions</b>	<b>916</b>	<b>1,278</b>	<b>2,150</b>	<b>2,300</b>	<b>2,425</b>	<b>2,875</b>	<b>2,975</b>	<b>3,250</b>	<b>3,400</b>	<b>3,600</b>
Federal funds	849	875	1,450	1,550	1,850	1,850	2,100	2,315	2,400	2,560
Industry funds	95	125	200	225	250	275	300	335	375	400
Other <sup>4</sup>	172	278	500	525	525	550	575	600	625	650
<b>Total research, basic and applied</b>	<b>8,288</b>	<b>12,471</b>	<b>22,129</b>	<b>26,067</b>	<b>28,455</b>	<b>31,408</b>	<b>33,521</b>	<b>36,544</b>	<b>39,328</b>	<b>40,818</b>
In 1982 dollars	22,186	21,358	25,962	27,836	28,455	30,194	31,056	32,806	34,378	34,878
Percent Federal as source	60.1	56.8	54.9	52.5	51.9	52.6	53.0	53.5	53.8	53.0
<b>Federal Government</b>	<b>1,804</b>	<b>2,464</b>	<b>3,888</b>	<b>4,034</b>	<b>4,194</b>	<b>4,710</b>	<b>4,764</b>	<b>5,109</b>	<b>5,108</b>	<b>5,200</b>
<b>Industry</b>	<b>4,029</b>	<b>5,300</b>	<b>9,775</b>	<b>12,313</b>	<b>14,055</b>	<b>15,676</b>	<b>16,802</b>	<b>18,319</b>	<b>19,971</b>	<b>20,875</b>
Federal funds	1,207	1,287	2,190	2,541	3,330	4,081	4,626	5,289	6,178	6,275
Industry funds	2,822	4,013	7,585	9,772	10,725	11,595	12,176	13,030	13,793	14,600
<b>Universities and colleges</b>	<b>2,223</b>	<b>3,261</b>	<b>5,717</b>	<b>6,442</b>	<b>6,861</b>	<b>7,370</b>	<b>8,026</b>	<b>8,949</b>	<b>10,000</b>	<b>10,480</b>
Federal funds	1,564	2,210	3,888	4,337	4,517	4,715	5,118	5,883	6,400	6,805
Industry funds	58	108	217	265	304	348	423	488	550	585
University and college funds <sup>2</sup>	448	702	1,228	1,419	1,570	1,755	1,894	2,114	2,340	2,510
Other nonprofit institutions funds <sup>3</sup>	165	243	384	421	470	552	593	664	710	740
<b>Universities and colleges, associated federally funded R&amp;D centers</b>	<b>485</b>	<b>573</b>	<b>1,486</b>	<b>1,663</b>	<b>1,665</b>	<b>1,833</b>	<b>2,002</b>	<b>2,144</b>	<b>2,200</b>	<b>2,300</b>
<b>Other nonprofit institutions</b>	<b>628</b>	<b>873</b>	<b>1,485</b>	<b>1,805</b>	<b>1,680</b>	<b>1,820</b>	<b>1,825</b>	<b>2,025</b>	<b>2,050</b>	<b>2,085</b>
Federal funds	409	545	930	1,010	1,075	1,180	1,250	1,310	1,290	1,280
Industry funds	77	103	180	180	200	220	240	265	285	315
Other <sup>4</sup>	142	225	385	415	405	420	435	450	465	480
<b>Total basic research</b>	<b>3,548</b>	<b>4,808</b>	<b>8,079</b>	<b>9,180</b>	<b>9,937</b>	<b>11,058</b>	<b>12,076</b>	<b>13,222</b>	<b>14,308</b>	<b>14,816</b>
In 1982 dollars	8,527	7,951	9,508	9,828	9,937	10,820	11,176	11,854	12,484	12,550
Percent of total R&D	13.6	12.1	12.9	12.8	12.5	12.7	12.4	12.3	12.3	11.9
Percent Federal as source	70.1	68.1	68.8	67.7	68.9	68.8	68.4	68.1	68.1	64.7
<b>Federal Government</b>	<b>577</b>	<b>734</b>	<b>1,182</b>	<b>1,302</b>	<b>1,485</b>	<b>1,680</b>	<b>1,861</b>	<b>1,961</b>	<b>2,000</b>	<b>2,000</b>
<b>Industry</b>	<b>602</b>	<b>730</b>	<b>1,325</b>	<b>1,614</b>	<b>1,860</b>	<b>2,171</b>	<b>2,515</b>	<b>2,731</b>	<b>2,958</b>	<b>3,125</b>
Federal funds	188	157	290	301	360	484	547	625	730	775
Industry funds	444	573	1,035	1,313	1,500	1,707	1,968	2,106	2,228	2,350
<b>Universities and colleges</b>	<b>1,786</b>	<b>2,410</b>	<b>4,026</b>	<b>4,576</b>	<b>4,857</b>	<b>5,289</b>	<b>5,638</b>	<b>6,377</b>	<b>7,100</b>	<b>7,370</b>
Federal funds	1,266	1,684	2,853	3,250	3,396	3,538	3,782	4,255	4,750	4,920
Industry funds	40	72	137	170	198	228	279	345	375	390
University and college funds <sup>2</sup>	350	478	800	906	982	1,144	1,214	1,362	1,530	1,600
Other nonprofit institutions funds <sup>3</sup>	110	186	236	250	281	359	363	415	445	460
<b>Universities and colleges, associated federally funded R&amp;D centers</b>	<b>209</b>	<b>309</b>	<b>786</b>	<b>863</b>	<b>870</b>	<b>963</b>	<b>1,052</b>	<b>1,078</b>	<b>1,150</b>	<b>1,200</b>
<b>Other nonprofit institutions</b>	<b>306</b>	<b>425</b>	<b>760</b>	<b>825</b>	<b>865</b>	<b>945</b>	<b>1,010</b>	<b>1,075</b>	<b>1,100</b>	<b>1,120</b>
Federal funds	188	245	450	496	535	600	650	695	690	690
Industry funds	44	80	95	105	115	125	135	150	170	180
Other <sup>4</sup>	72	120	215	225	215	220	225	230	240	250
<b>Total development</b>	<b>16,865</b>	<b>22,742</b>	<b>40,464</b>	<b>45,783</b>	<b>50,861</b>	<b>53,796</b>	<b>54,118</b>	<b>70,916</b>	<b>77,464</b>	<b>83,348</b>
In 1982 dollars	40,206	38,525	47,273	48,774	50,861	53,897	54,484	63,749	67,857	70,898
Percent of total R&D	64.5	64.6	64.6	63.7	64.1	64.0	65.7	68.0	68.3	67.1
Percent Federal as source	55.3	48.5	42.7	43.1	42.7	43.3	43.0	44.8	46.5	47.8

<sup>1</sup> Basic research, applied research, and development. <sup>2</sup> Includes State and local government funds received by these institutions and used for research and development. <sup>3</sup> Includes estimates for independent nonprofit hospitals and voluntary health agencies.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

**NO. 951. FEDERAL FUNDING FOR RESEARCH AND DEVELOPMENT, BY BUDGET FUNCTION:  
1976 TO 1988**

millions of dollars. For fiscal years ending in year shown; see text, section 9. Excludes R&D plant. Data for 1976 are in obligations; thereafter, are shown in budget authority. See *Historical Statistics, Colonial Times to 1970*, series W 126, total obligations]

FUNCTION	1976	1977	1978	1980	1981	1982	1983	1984	1985	1986	1987, est.	1988, est.
Total <sup>1</sup>	30,780	25,976	26,208	29,739	33,735	35,115	38,768	44,214	49,887	53,192	56,148	57,576
national defense	10,430	12,699	13,791	14,945	16,413	22,070	24,936	29,267	33,696	36,926	40,260	47,056
space	2,351	2,966	3,401	3,684	3,671	3,666	4,296	4,779	5,416	5,565	6,806	8,549
earth research and technology	3,130	2,839	3,136	2,736	3,111	2,584	2,134	2,300	2,725	2,884	3,344	3,942
physical science	856	1,060	1,119	1,233	1,340	1,350	1,502	1,676	1,862	1,873	2,041	2,332
life science	1,649	3,134	3,461	3,603	3,501	3,012	2,578	2,581	2,389	2,285	2,155	1,944
transportation	631	768	798	867	859	791	876	1,040	1,030	917	889	904
natural resources and environment	683	904	1,010	990	1,061	965	952	963	1,059	1,062	1,083	1,029
culture	383	501	552	555	659	693	745	752	836	815	896	839
education, training, employment <sup>2</sup>	255	345	354	406	296	236	189	200	220	246	253	225
international affairs	42	57	117	125	160	165	177	182	210	211	217	233
conservation and services	98	111	123	126	143	139	157	218	183	183	215	201
commerce and housing credit	69	77	93	101	106	104	107	110	114	111	112	119
administration of justice	35	44	47	45	34	31	37	24	47	41	42	42
territory and regional develop	109	92	127	119	104	83	44	46	50	32	29	26

<sup>1</sup> includes functions not shown separately. <sup>2</sup> includes social services.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

**NO. 952. FEDERAL OBLIGATIONS FOR RESEARCH, BY FIELD OF SCIENCE: 1976 TO 1987**

[in millions of dollars. For fiscal years ending in year shown; see text, section 9. See headnote, table 951]

FIELD	1976	1977	1978	1980	1981	1982	1983	1984	1985	1986, est.	1987, est.
Research, total	7,919	9,897	10,536	11,997	12,213	12,922	14,354	14,079	16,120	16,456	16,941
mathematics	2,768	3,069	4,193	4,674	5,041	5,482	6,280	7,067	7,819	8,145	8,346
physics	4,652	5,908	6,342	6,923	7,172	7,540	7,993	7,911	8,311	8,310	8,493
chemistry	2,650	3,427	3,846	4,192	4,436	4,746	5,176	5,836	6,368	6,458	6,290
engineering	2,099	2,421	2,572	2,830	3,072	3,367	3,517	3,634	3,829	3,864	3,656
biological sciences	1,259	1,646	1,793	2,001	2,221	2,500	2,691	2,989	3,044	3,072	3,300
environmental sciences	789	1,025	1,101	1,261	1,121	1,146	1,251	1,278	1,404	1,458	1,483
electronics, computer sci-											
ences	156	218	210	241	279	350	419	440	578	665	759
earth sciences	393	490	527	524	497	396	435	436	462	435	460
astronomy	136	163	162	193	207	157	186	147	180	147	163
biology	144	177	197	199	208	218	241	267	319	326	319
other sciences	179	208	267	360	379	287	320	331	329	357	373

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

**NO. 953. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: 1976 TO 1987**

millions of dollars except percent. For fiscal years ending in year shown; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series W 142, for total R&D expenditures. Minus sign (-) indicates decline]

AGENCY	1976	1981	1982	1983	1984	1985	1986, est.	1987, est.	PERCENT CHANGE	
									1985- 86	1986- 87
Obligations, total	20,780	33,104	36,433	38,712	42,225	46,332	52,062	56,210	7.7	13.7
Department of Defense	9,655	18,509	20,623	22,993	25,379	29,792	33,646	40,679	12.9	20.9
National Aeronautics and Space Administra-										
tion	3,447	3,593	3,078	2,662	2,622	3,327	3,476	3,926	4.5	12.9
Department of Commerce	229	326	336	335	358	399	391	301	-2.0	-23.0
Department of Energy	2,464	4,918	4,706	4,537	4,674	4,696	4,892	4,771	5.5	1.7
Department of Health and Human Services	2,481	3,927	3,941	4,353	4,631	5,451	5,811	5,271	2.9	6.1
National Science Foundation	609	962	975	1,062	1,203	1,346	1,334	1,508	9	13.0
Department of Agriculture	482	774	797	846	666	943	923	909	-2.1	-1.5
Department of Transportation	295	416	310	348	448	402	335	246	16.7	26.6
Department of the Interior	333	427	381	383	411	362	366	351	1.0	9.5
Environmental Protection Agency	259	326	335	241	261	320	334	310	4.4	-7.2
Maritime Regulatory Commission	88	220	220	207	191	150	135	114	-10.0	-15.6
State Administration	98	144	137	161	190	227	186	194	16.1	4.3
Agency for International Development	38	134	200	227	237	220	221	236	.5	7.7
Department of Education	123	105	126	112	116	126	131	117	4.8	-10.7
Other agencies	219	322	263	243	244	274	256	277	-5.8	7.4

energy Research and Development Administration. <sup>2</sup> Health, Education, and Welfare. See table 502 for complete list of agencies. <sup>3</sup> Includes National Institute of Education, Office of the Assistant Secretary for Education and Office of Education.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

### NO. 954. FUNDS FOR PERFORMANCE OF INDUSTRIAL RESEARCH AND DEVELOPMENT (R&D), BY INDUSTRY: 1970 TO 1985

[In millions of dollars. Covers basic research, applied research, and development. See also *Historical Statistics, Colonial Times to 1970*, series W 144-160]

SIC <sup>1</sup> code	INDUSTRY	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985
	<b>Total<sup>2</sup></b>	19,887	24,197	23,384	29,398	44,805	51,316	57,366	63,463	71,577	80,121
372, 376	Aircraft and missiles	5,219	5,713	7,536	8,041	9,196	11,966	13,658	13,653	16,076	17,801
36	Electrical equipment	4,220	5,105	6,507	7,824	9,178	10,329	11,842	13,950	15,982	17,313
35	Machinery	1,729	3,196	4,283	4,825	5,801	6,818	7,835	8,368	9,571	11,037
28	Chemicals and allied products	1,773	2,727	3,580	4,038	4,835	5,825	6,658	7,283	8,024	8,875
371, 373-75, 379	Motor vehicles, transportation equipment <sup>3</sup>	1,581	2,430	4,010	4,986	5,117	4,970	4,970	5,800	6,340	7,308
38	Professional and scientific instruments	744	1,173	1,988	2,505	3,029	3,614	4,019	4,444	4,851	5,420
29	Petroleum refining	515	693	1,060	1,282	1,552	(D)	(D)	(D)	(D)	(D)
33	Primary metals	275	443	580	634	728	876	1,000	1,115	(D)	(D)
30	Rubber products	276	487	493	577	658	(D)	(D)	(D)	(D)	1,187
34	Fabricated metal products	207	324	304	455	550	524	588	604	716	887
20	Food and kindred products	239	335	472	526	620	(D)	(D)	(D)	(D)	(D)
26	Paper and allied products	178	249	387	445	495	(D)	625	(D)	(D)	(D)
32	Stone, clay, and glass products	167	233	324	356	406	(D)	(D)	(D)	(D)	(D)

D Withheld to avoid disclosure. <sup>1</sup> Standard Industrial Classification. See text, section 13. <sup>2</sup> Includes industries not available separately. <sup>3</sup> Estimated beginning 1981

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

### NO. 955. COMPANIES PERFORMING RESEARCH AND DEVELOPMENT (R&D)—SELECTED DATA, BY INDUSTRY GROUP: 1975 TO 1984

SIC <sup>1</sup> code	INDUSTRY GROUP	R & D FUNDS (mil. dol.)				R & D FUNDS AS PERCENT OF NET SALES				R & D SCIENTISTS/ENGINEERS <sup>2</sup> (1,000)			
		1975	1980	1984	1985	1975	1980	1984	1985	1975	1980	1984	1985
	<b>Total<sup>3</sup></b>	24,197	44,805	71,577	80,121	3.1	3.6	3.6	4.2	363.3	480.8	544.8	589.3
372, 376	Aircraft and missiles	5,713	9,196	16,076	17,801	12.7	13.7	15.6	17.5	67.5	85.9	98.5	103.8
36	Electrical equipment	5,105	9,178	15,982	17,313	6.5	6.6	7.5	8.0	32.5	54.5	116.1	115.3
35	Machinery	3,196	5,801	9,571	11,037	4.8	5.0	6.0	6.8	52.8	62.1	75.0	77.3
28	Chemicals and allied products	2,727	4,835	8,024	8,875	3.7	3.6	4.6	4.6	45.2	51.4	67.1	67.9
371, 373-75, 379	Motor vehicles, transportation equipment <sup>4</sup>	2,430	5,117	6,340	7,308	3.3	3.9	3.4	3.5	27.8	39.7	30.5	31.7
38	Professional and scientific instruments	1,173	3,029	4,851	5,420	6.9	7.6	8.2	10.3	17.9	32.8	(D)	(D)
29	Petroleum refining	693	1,552	(D)	(D)	7	6	(D)	(D)	6.4	10.8	13.2	13.4
33	Primary metals	443	728	(D)	(D)	8	7	(D)	(D)	6.3	6.1	6.5	9.5
30	Rubber products	487	658	(D)	1,187	2.5	2.2	(D)	3.0	6.4	(D)	(D)	(D)
34	Fabricated metal products	324	550	716	887	1.2	1.4	1.5	1.4	7.4	7.8	12.9	(D)
20	Food and kindred products	335	620	(D)	(D)	.4	.4	(D)	(D)	6.6	7.2	7.8	(D)
26	Paper and allied products	249	495	(D)	(D)	.9	1.0	(D)	(D)	5.0	7.4	7.9	8.7
32	Stone, clay, and glass products	233	406	(D)	(D)	1.2	1.4	(D)	(D)	4.5	5.4	4.5	4.9

D Withheld to avoid disclosure. <sup>1</sup> Standard Industrial Classification. <sup>2</sup> As of January. <sup>3</sup> Includes industries not available. <sup>4</sup> Estimated beginning 1984.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

### NO. 956. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES: 1970 TO 1985

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Total and nonscience/engineering activities for 1981-1983 are estimates based on revised student aid data from the Dept. of Education. Minus sign (-) indicates decrease]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Federal obligations, total	3,237	4,547	6,490	7,472	7,804	8,298	8,840	9,776	9,337	10,118	10,985
Annual percent change <sup>1</sup>	-8.5	1.5	20.1	15.1	1.8	6.1	4.1	1.6	5.4	5.4	8.8
Academic science/engineering obligations	2,188	2,808	3,351	3,980	4,473	4,790	5,082	5,179	5,660	6,260	7,280
Percent of total	67.6	61.7	51.6	53.0	58.8	57.7	56.6	59.0	60.8	63.2	66.1
Research and development	1,447	2,248	2,803	3,388	3,574	4,180	4,410	4,554	5,024	5,635	6,375
Research and development plant	45	45	36	34	32	38	28	31	38	50	114
Other science/engineering activities	696	515	512	540	557	593	624	594	619	705	797
Nonscience/engineering activities	1,049	1,741	3,138	3,512	3,331	3,508	3,578	3,597	3,657	3,728	3,704

<sup>1</sup> Percent change from prior year.

Source: U.S. National Science Foundation, *Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*, annual.

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## 957. NOBEL PRIZE LAUREATES IN CHEMISTRY, PHYSICS, AND PHYSIOLOGY/MEDICINE—SELECTED COUNTRIES: 1901 TO 1986

[Presented by location of award-winning research and by date of award]

COUNTRY	1901-1986				1901-1919	1919-1930	1931-1940	1941-1950	1951-1960	1961-1970	1971-1986
	Total	Phys- ics	Chem- istry	Phys- iology/ Medi- cine							
Total	378	129	106	143	62	41	40	74	92	70	
United States	143	48	31	63	3	3	14	38	41	44	
United Kingdom	66	21	24	23	7	8	11	14	20	6	
France	4	3	1	-	-	-	-	1	2	1	
Sweden	21	8	6	7	10	3	2	-	5	1	
United Union	10	7	1	2	2	-	-	4	3	1	
Germany <sup>1</sup>	53	18	25	12	15	12	11	4	8	3	
Other countries	79	25	18	36	15	15	11	13	13	12	

Represents zero. <sup>1</sup> Includes East Germany before 1949.  
 source: U.S. National Science Foundation, unpublished data.

## NO. 958. NATIONAL RESEARCH AND DEVELOPMENT EXPENDITURES AS A PERCENT OF GROSS NATIONAL PRODUCT, BY COUNTRY: 1965 TO 1986

AN	United States	France <sup>1</sup>	West Germany	Japan	United Kingdom	Soviet Union	YEAR	United States	France <sup>1</sup>	West Germany	Japan	United Kingdom	Soviet Union
1965	2.6	2.0	1.7	1.5	(NA)	2.9	1977	2.2	1.9	2.1	1.9	(NA)	3.5
1966	2.6	2.1	2.0	1.5	2.3	2.9	1978	2.1	1.8	2.2	2.0	2.2	3.5
1967	2.6	2.1	2.0	1.6	2.3	(NA)	1979	2.2	1.8	2.4	2.1	(NA)	3.6
1968	2.7	1.9	1.8	1.6	2.3	3.0	1980	2.3	1.8	2.4	2.2	(NA)	3.8
1969	2.6	1.9	2.1	1.6	(NA)	3.3	1981	2.4	2.0	2.5	2.4	2.4	3.7
1970	2.4	1.9	2.2	1.9	(NA)	3.5	1982	2.5	2.1	2.6	2.5	(NA)	3.7
1971	2.4	1.9	2.2	1.9	2.1	3.7	1983	2.6	2.2	2.5	2.6	2.2	3.8
1972	2.3	1.8	2.1	1.9	(NA)	3.8	1984	2.6	2.2	2.5	2.6	(NA)	3.9
1973	2.2	1.8	2.1	2.0	(NA)	3.7	1985	2.7	2.3	2.7	2.9	2.2	3.8
1974	2.2	1.8	2.2	2.0	2.2	3.8	1986	2.8	(NA)	2.8	(NA)	(NA)	(NA)
1975	2.2	1.8	2.1	1.9	(NA)	3.6							

<sup>1</sup> Not available. <sup>2</sup> Percent of gross domestic product.

source: U.S. National Science Foundation, *Science Indicators*, biennial; *National Patterns of Science and Technology Resources*, etc; and *International Science and Technology Data Update*, annual.

## D. 959. RESEARCH AND DEVELOPMENT (R&D) EXPENDITURES IN SCIENCE AND ENGINEERING AT UNIVERSITIES AND COLLEGES: 1980 TO 1985

[In millions of dollars. Estimates for nonrespondents account for less than 5 percent of the total]

CHARACTERISTIC	1980	1983	1984	1985	CHARACTERISTIC	1980	1983	1984	1985
Total	6,080	7,807	8,503	9,584	Field: Life sciences	3,217	4,233	4,807	5,138
in 1972 dollars <sup>1</sup>	3,412	3,587	3,784	4,057	Engineering	865	1,111	1,206	1,383
in research	4,026	5,269	5,638	6,377	Physical sciences	677	899	897	1,137
total R&D	2,034	2,538	2,865	3,127	Environmental sciences	509	620	650	707
Source of funds:					Social sciences and other	486	521	548	589
Governments	4,587	5,580	6,014	6,688	Economics	90	98	109	116
Institutions' own funds	827	1,281	1,398	1,583	Mathematics	79	108	124	129
Industry	237	379	458	538	Computer sciences	114	175	223	278
Other	409	567	633	704	Psychology	111	138	147	182

based on GNP implicit price deflator; see text, section 14.

source: U.S. National Science Foundation, *Survey of Scientific and Engineering Expenditures at Universities and Colleges*, annual.

## D. 960. SCIENTISTS AND ENGINEERS EMPLOYED IN RESEARCH AND DEVELOPMENT: 1970 TO 1986

thousands of full-time equivalent employees. Yearly averages for industry sector only. Excludes those employed by State and local government agencies, except as noted. DOD=Dept. of Defense. FFRDC's=federally funded R&D centers

SECTOR	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986
Total	544.5	627.7	615.0	651.7	682.7	702.8	711.7	738.4	762.4	787.4
Industry (excl. social scientists) <sup>2</sup>	375.6	383.8	437.2	480.2	498.6	518.0	522.1	544.5	580.2	580.3
Universities and colleges, total	69.5	69.8	78.6	81.2	83.3	84.4	85.5	88.6	93.2	96.7
Scientists and engineers	50.3	51.2	56.9	57.9	58.9	59.5	60.6	62.5	65.8	67.8
Graduate students	18.2	18.6	21.7	23.3	24.4	24.9	24.9	26.1	27.4	28.9
State Government (incl. DOD)	67.7	66.4	57.6	58.6	59.2	60.0	61.3	62.1	62.9	63.3
Industry-associated FFRDC's	11.5	12.7	14.1	15.2	15.4	15.4	16.3	16.2	16.6	16.8
Other nonprofit institutions <sup>2</sup>	21.2	23.0	27.5	27.5	27.0	27.0	27.5	28.0	28.5	30.5

Estimated. <sup>1</sup> Includes professional R&D personnel employed at FFRDC's administered by industry and other nonprofit institutions. <sup>2</sup> Includes estimates for R&D scientists and engineers employed in State-affiliated institutions.

source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.



# No. 961. SCIENTISTS AND ENGINEERS, BY FIELD, LABOR FORCE STATUS, AND SEX: 1980 TO 1986

(In thousands, except percent. Represents the total science and engineering population in the United States)

FIELD	1980			1984			1986		
	Total		In labor force	Total		In labor force	Total		In labor force
	Number	Percent female		Number	Percent female		Number	Percent female	
Total, all fields	3,063	11.6	2,917	4,347	13.3	4,081	4,972	15.4	4,699
Engineers, total	1,900	3.0	1,701	2,352	3.4	2,241	2,835	4.1	2,471
Scientists, total	1,263	19.2	1,216	1,995	25.4	1,840	2,137	26.1	2,228
Life scientists	313	19.2	295	384	24.8	361	452	26.1	421
Computer specialists	218	26.7	210	445	26.8	430	678	29.7	567
Physical scientists	235	10.3	220	238	11.8	250	313	13.9	293
Social scientists	229	29.5	214	357	29.4	341	469	31.7	436
Economists	84	15.9	76	130	15.7	130	177	16.2	169
Other social scientists	145	37.3	136	227	37.9	212	292	39.6	270
Psychologists	137	38.4	132	223	42.9	216	274	46.5	260
Environmental scientists	84	14.2	79	108	11.4	101	123	12.3	116
Mathematical scientists	70	29.6	68	108	22.8	103	140	26.9	133

Source: National Science Foundation, *U.S. Scientists and Engineers*, and unpublished data.

# No. 962. CHARACTERISTICS OF EMPLOYED SCIENTISTS AND ENGINEERS: 1986

(Percent distribution, except as indicated. Represents the total science and engineering employment in the United States)

CHARACTERISTIC	Total	Engineers	Life scientists	Computer specialists	Physical scientists	SOCIAL SCIENTISTS			Psychologists	Environmental scientists	Mathematical scientists
						Total	Economists	Other social scientists			
Total (1,000)	4,527	2,440	412	893	998	429	184	284	284	111	131
Male	84.9	85.9	75.0	71.1	68.4	88.7	80.5	61.4	54.6	66.4	74.1
Female	15.1	4.1	25.0	28.9	31.6	11.3	19.5	38.6	45.4	33.6	25.9
Highest degree:											
Doctorate	13.3	4.3	29.5	3.4	30.6	23.0	21.8	23.7	36.5	18.4	30.7
Master's	23.0	23.0	21.4	25.2	20.3	22.1	21.7	22.3	26.6	31.1	33.7
Bachelor's	55.1	58.9	44.6	69.9	38.0	51.7	53.0	50.9	32.4	48.2	34.1
Other	8.0	12.6	4.5	1.5	2.1	3.2	3.5	3.0	2.6	2.2	1.6
Type of employer:											
Industry	67.8	79.5	37.2	78.2	56.6	50.4	62.5	42.8	40.2	58.5	41.9
Educational institutions	13.6	4.1	35.9	6.7	24.7	26.4	20.5	30.1	31.3	16.4	44.9
Nonprofit organizations	3.8	1.5	7.0	2.5	3.3	6.4	2.2	8.9	17.9	1.2	2.1
Federal Government	7.7	7.8	10.3	6.8	10.3	5.1	7.6	3.4	2.7	15.8	8.5
Military	.6	.8	.4	.5	.3	.3	1	.4	.3	1.3	.4
State, local, and other government	5.0	4.9	7.7	3.7	2.9	9.9	6.3	12.7	6.6	5.3	1.7
Other	1.6	1.7	1.5	1.6	1.7	1.6	1.6	1.5	1.6	1.5	.8

Source: U.S. National Science Foundation, *U.S. Scientists and Engineers: 1986*.

# No. 963. RESEARCH AND DEVELOPMENT SCIENTISTS AND ENGINEERS—AVERAGE FULL-TIME-EQUIVALENT EMPLOYMENT AND COST, BY INDUSTRY: 1970 TO 1985

[Data are estimates; on average full-time-equivalent (FTE) basis. See *Historical Statistics, Colonial Times to 1970*, series W 167, for total cost per scientist or engineer]

INDUSTRY	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Average FTE of scientists and engineers (1,000)	375.6	381.7	383.8	373.8	383.8	414.2	437.3	486.2	496.8	516.0	533.3	552.9	570.3
Chemicals <sup>1</sup>	41.4	43.5	44.8	45.4	47.4	49.2	50.7	53.1	58.2	63.6	68.6	67.1	69.2
Machinery	42.5	51.9	54.3	55.5	58.8	59.0	61.2	65.7	72.6	76.2	75.7	76.2	79.7
Electrical equipment <sup>2</sup>	66.2	82.6	81.5	82.2	84.3	84.7	89.8	100.7	105.4	110.0	113.2	115.7	116.8
Motor vehicles <sup>3</sup>	26.9	28.6	27.5	28.8	32.0	35.5	38.5	38.1	33.9	31.0	30.7	31.1	33.7
Aircraft and missiles	85.2	69.1	67.2	68.5	77.0	64.3	66.2	50.6	63.2	63.3	68.0	100.2	105.1
Other industries	83.6	86.0	88.5	92.4	95.3	101.5	110.9	121.0	132.5	141.7	151.2	162.2	165.8
Cost per scientist or engineer (\$1,000) <sup>4</sup>	48.1	63.3	66.6	72.2	75.8	80.4	87.4	94.9	103.8	112.4	118.9	128.6	140.5
Chemicals <sup>1</sup>	42.6	56.3	60.8	66.5	67.6	72.8	79.6	87.4	98.7	104.4	109.6	119.7	126.3
Machinery	40.7	57.5	58.9	62.6	66.6	72.6	78.9	89.9	93.9	102.9	110.9	121.0	138.8
Electrical equipment <sup>2</sup>	43.9	80.7	82.7	88.8	89.9	78.8	87.2	91.1	95.3	105.6	123.2	135.4	148.3
Motor vehicles <sup>3</sup>	59.3	66.6	66.4	100.4	108.6	113.0	124.2	134.3	148.6	162.9	173.6	185.9	209.5
Aircraft and missiles	61.3	78.4	85.1	91.9	91.3	69.4	66.3	101.6	126.4	148.4	144.3	160.5	166.4
Other industries	42.4	54.5	58.7	61.1	65.9	72.8	79.6	86.6	91.3	93.4	96.5	99.6	108.3

<sup>1</sup> Includes allied products. <sup>2</sup> Includes communication. <sup>3</sup> And other transportation equipment. <sup>4</sup> Represents the arithmetic mean of the numbers of R&D scientists and engineers reported in each industry for January in two consecutive years divided into total R&D expenditures in each industry.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

# CIVILIAN EMPLOYMENT OF SCIENTISTS, ENGINEERS, AND TECHNICIANS, BY OCCUPATION AND MAJOR INDUSTRIAL SECTOR: 1986

(In thousands. Based on sample and subject to sampling error. For details, see source)

OCCUPATION	WAGE AND SALARY WORKERS									Self-employed
	Total <sup>1</sup>	Mining <sup>2</sup>	Construction	Manufacturing	Transportation <sup>3</sup>	Trade	Finance <sup>4</sup>	Services	Government	
<b>all scientists, engineers, and technicians</b>	<b>2,138.1</b>	<b>63.5</b>	<b>41.1</b>	<b>829.2</b>	<b>103.1</b>	<b>67.9</b>	<b>77.8</b>	<b>586.8</b>	<b>380.9</b>	<b>131.8</b>
all	808.4	25.5	1.4	141.2	24.1	31.2	68.3	301.3	207.0	92.0
physicists	169.4	20.3	.1	56.9	2.2	2.1	.8	48.7	38.3	11.0
chemists	133.2	.3	(2)	16.7	.8	1.8	.2	53.0	52.8	7.0
biological scientists	47.6	.1	(2)	8.6	1.7	(2)	14.5	14.6	9.9	(2)
astronomers	144.7	.3	.1	(2)	1.5	(2)	9.6	82.8	50.3	54.0
mathematicians, EDP	311.4	4.5	1.2	61.0	17.9	27.3	41.4	102.2	55.7	20.0
all engineers	1,331.7	28.0	39.7	688.0	79.0	25.8	10.7	285.6	173.9	39.0
mechanical	183.2	1.7	19.4	10.4	8.0	4	.5	77.8	74.5	6.0
electrical	361.5	1.0	6.3	221.0	38.9	13.4	.8	77.4	32.7	9.0
chemical	228.7	2.2	6.6	140.5	6.4	6.2	.6	51.0	13.1	4.0
all technicians	1,241.1	18.0	31.4	484.8	77.1	79.8	8.9	372.4	182.4	23.8
electronics technicians	308.4	1.0	4.7	135.2	28.4	60.3	1.2	51.3	28.2	4.0
mechanical technicians	373.5	4.8	5.0	134.8	28.4	9.4	.8	98.7	94.9	2.0
all	333.2	4.5	21.5	125.6	19.0	7.2	2.6	137.4	13.2	15.0
all	225.0	8.5	.2	88.0	2.4	3.0	2.4	87.0	28.0	2.0
all	88.6	3.7	3.8	.1	3.4	(2)	.4	52.0	22.5	8.0
computer programmers	463.6	3.3	2.2	92.6	24.2	44.2	68.3	192.8	38.1	18.0

than 50. <sup>1</sup> Includes agriculture, forestry, and fishing not shown separately. <sup>2</sup> Includes oil and gas extraction, communications and public utilities. <sup>3</sup> Finance, insurance, and real estate. <sup>4</sup> Includes kinds of engineers and not shown separately.

S. Bureau of Labor Statistics, *Monthly Labor Review*, September 1987 and unpublished data.

## 7. SCIENTISTS AND ENGINEERS—EMPLOYMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY FIELD: 1980 TO 1985

10. As of January. Includes full-time and part-time personnel. Excludes graduate students who receive stipends for part-time services as scientists or engineers. R&D—research and development

FIELD	1980	1981	1982	1983	1984	1985
<b>all</b>	<b>338.3</b>	<b>373.9</b>	<b>365.6</b>	<b>395.6</b>	<b>395.6</b>	<b>395.6</b>
all colleges	324.2	358.9	370.4	390.4	390.4	390.4
all	33.7	37.7	36.7	38.9	38.9	38.9
all	6.5	6.4	6.4	6.7	6.7	6.7
all	8.2	8.6	10.2	10.8	10.8	10.8
all	6.1	6.7	7.1	7.2	7.2	7.2
all	43.5	44.8	46.4	47.2	47.2	47.2
all	17.6	18.1	18.8	19.1	19.1	19.1
all	6.6	6.6	6.7	6.7	6.7	6.7
all	13.0	13.6	13.9	14.1	14.1	14.1
<b>FIELD</b>	<b>1980</b>	<b>1981</b>	<b>1982</b>	<b>1983</b>	<b>1984</b>	<b>1985</b>
Math. and computer scientists	36.0	45.7	48.8	51.1	51.1	51.1
Life scientists <sup>1</sup>	133.7	151.4	156.4	161.7	161.7	161.7
Agricultural	15.9	18.7	17.1	17.5	17.5	17.5
Biological	44.8	48.1	49.3	50.5	50.5	50.5
Medical	87.1	74.4	76.1	78.7	78.7	78.7
Psychologists	23.3	23.8	23.8	23.8	23.8	23.8
Social scientists	54.1	55.4	56.2	56.7	56.7	56.7
Economists	14.7	15.6	15.7	15.8	15.8	15.8
Federally funded R&D centers	15.1	15.1	15.2	15.6	15.6	15.6
Engineers	6.5	6.5	6.0	6.2	6.2	6.2
Scientists	8.6	8.6	9.2	9.4	9.4	9.4

other fields not shown separately.

S. National Science Foundation, *Survey of Scientific and Engineering Personnel Employed in Universities and Colleges*.

## 8. PROFESSIONAL SCIENTIFIC, ENGINEERING, AND TECHNICAL PERSONNEL IN THE FEDERAL GOVERNMENT, BY OCCUPATIONAL GROUP: 1970 TO 1985

(In thousands, except percent. As of October. Excludes health professional personnel)

OCCUPATIONAL GROUP							PERCENT FEMALE					
	1970	1975	1980	1981	1983	1985	1970	1975	1980	1981	1983	1985
<b>all</b>	<b>160.3</b>	<b>166.9</b>	<b>208.8</b>	<b>207.9</b>	<b>218.9</b>	<b>238.0</b>	<b>6.7</b>	<b>6.5</b>	<b>9.5</b>	<b>10.3</b>	<b>11.8</b>	<b>13.8</b>
all	77.2	77.3	88.0	88.9	89.5	91.4	8.0	8.8	12.7	13.2	14.1	15.6
all	29.8	27.1	27.6	27.4	27.1	27.6	6.4	6.6	9.5	10.0	10.8	12.5
all	8.6	10.0	11.1	10.9	10.7	11.0	17.4	15.8	19.8	19.8	20.8	22.8
all	28.9	28.4	30.5	32.4	33.5	33.5	4.1	5.1	8.7	9.6	11.3	12.1
all	8.6	8.0	10.5	8.9	9.3	10.1	16.2	17.6	23.3	23.1	22.8	25.1
all	4.3	5.0	5.9	5.5	5.3	5.9	11.1	12.9	17.4	18.1	18.4	20.6
all	2.3	3.0	4.8	3.4	4.0	4.2	25.1	23.7	30.8	31.2	28.7	31.5
all	3.3	2.8	4.9	5.2	5.5	5.7	8.5	7.9	14.8	15.7	18.6	17.0
all	2.2	2.9	3.3	3.4	3.3	3.4	13.7	14.6	16.8	17.5	18.8	21.4
all	83.0	88.6	88.6	87.9	94.3	105.1	5	7	1.9	2.3	3.6	5.3
all	20.1	25.0	29.3	31.1	35.2	41.5	21.1	19.1	23.3	24.7	27.9	31.4

<sup>1</sup> Tennessee Valley Authority (TVA). <sup>2</sup> Excludes Post Office. <sup>3</sup> Data for 1985 include 4,400 personnel at TVA currently planning.

S. National Science Foundation. Compiled from data supplied by the U.S. Office of Personnel Management.

# **NO. 967. GRADUATE SCIENCE AND ENGINEERING STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS, BY FIELD, ENROLLMENT STATUS, AND LEVEL OF STUDY: 1975 TO 1985**

(In thousands. As of fall. Includes outlying areas)

FIELD OF SCIENCE	STUDENTS ENROLLED FULL-TIME									STUDENTS ENROLLED PART-TIME		
	Total			First year			Beyond first year					
	1975	1980	1985	1975	1980	1985	1975	1980	1985	1975	1980	1985
<b>Total</b>	<b>210.3</b>	<b>230.5</b>	<b>248.7</b>	<b>78.2</b>	<b>77.3</b>	<b>77.4</b>	<b>131.2</b>	<b>153.2</b>	<b>172.3</b>	<b>43.4</b>	<b>103.1</b>	<b>121.4</b>
Engineering	37.1	41.9	58.0	18.4	15.7	18.2	20.8	26.2	37.8	27.5	29.2	35.9
Physical sciences	21.3	22.3	28.1	8.0	5.7	6.4	15.3	16.5	19.7	3.3	3.1	3.4
Environmental sciences	8.0	10.3	10.9	3.3	3.4	3.1	5.7	8.9	7.6	2.0	2.5	3.3
Mathematics	10.0	9.4	11.2	3.8	3.2	3.7	6.4	6.1	7.5	4.4	4.3	4.1
Computer sciences	4.1	5.9	12.4	1.8	2.3	4.2	2.3	3.6	8.2	2.8	5.5	11.4
Life sciences	59.6	67.7	66.2	23.3	23.0	20.4	36.3	44.7	45.8	14.0	22.9	27.9
Psychology	19.7	21.6	21.0	5.7	5.7	5.6	14.0	15.9	15.4	7.2	7.8	9.2
Social sciences	49.5	51.5	45.9	19.0	18.3	15.7	30.5	33.2	30.2	22.3	28.8	26.7
Economics	8.0	8.9	8.6	3.1	2.9	2.6	4.9	6.1	6.0	3.0	3.3	2.8

Source: U.S. National Science Foundation, *Survey of Graduate Science and Engineering Students and Postdoctorates*, annual.

# **NO. 968. DOCTORATES CONFERRED, BY RECIPIENTS' CHARACTERISTICS, 1975 TO 1986, AND BY SELECTED SCIENCE AND ENGINEERING FIELDS, 1986**

CHARACTERISTIC	ALL FIELDS			1986								
	1975	1980	1985	All fields <sup>1</sup>	Engineering	Physical sciences <sup>2</sup>	Mathematics and computer sciences	Psychology	Biological sciences <sup>3</sup>	Social sciences		
										Total	Economics	Other social sciences <sup>4</sup>
Doctorate conferred	32,951	31,017	31,201	31,782	3,375	3,677	1,130	3,080	3,782	2,222	861	1,361
Percent with master's degree	81.3	80.9	80.0	(NA)	86.5	52.0	77.1	80.0	51.6	81.3	72.6	86.8
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male	78.1	80.7	85.7	84.6	83.3	83.8	85.0	49.0	68.3	88.0	80.7	80.0
Female	21.9	19.3	14.3	15.4	16.7	16.4	15.0	51.0	31.7	12.0	19.3	20.0
White <sup>5</sup>	86.7	84.6	86.2	86.6	78.4	87.6	82.4	90.0	80.2	85.5	86.5	85.0
Asian <sup>6</sup>	3.6	4.2	4.3	4.3	15.1	6.1	6.8	1.4	5.1	3.8	5.6	2.8
Black and other <sup>6</sup>	4.9	8.3	7.2	7.0	3.8	3.0	4.1	7.4	4.1	7.5	4.5	9.0
Not reported <sup>6</sup>	4.8	4.9	2.3	2.1	2.7	3.3	3.7	1.2	1.7	3.2	3.4	3.1
U.S. citizens	82.1	81.0	74.5	72.1	40.7	88.1	50.4	88.9	62.2	86.2	55.1	73.3
Foreign citizens	15.9	15.9	20.9	21.0	50.6	27.6	42.0	4.6	13.3	26.6	38.3	19.2
Citizenship unknown	2.0	3.1	4.6	6.9	8.7	6.3	7.5	6.5	4.5	7.2	6.8	7.8
Median age at award <sup>7</sup> (yr.)	31.5	32.2	33.3	(NA)	31.0	29.9	30.7	33.0	30.8	33.4	31.5	34.6
Median total time, <sup>8</sup> baccalaureate to doctorate (yr.)	8.8	9.3	10.2	(NA)	8.1	7.1	8.0	9.7	8.1	10.0	8.4	11.1
Registered time (yr.)	5.9	6.3	6.8	(NA)	5.9	6.0	6.2	7.0	6.4	7.5	6.3	6.2

NA: Not available. <sup>1</sup> Includes other fields, not shown separately. <sup>2</sup> Astronomy, physics, chemistry, and earth sciences. <sup>3</sup> Biochemistry, botany, microbiology, physiology, zoology, and related fields. <sup>4</sup> Anthropology, sociology, political science, and international relations. <sup>5</sup> Data on race limited to U.S. citizens and non-U.S. citizens with permanent government visas. <sup>6</sup> For definition of median, see Guide to Tabular Presentation.

Source: U.S. National Science Foundation, Division of Science Resources Studies.

# **NO. 969. FEDERAL SPACE PROGRAM—BUDGET AUTHORITY, BY AGENCY: 1960 TO 1984**

(In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. 1984 estimated. NASA = National Aeronautics and Space Administration)

YEAR	Total <sup>1</sup>	NASA <sup>2</sup>		Dept. of Defense	Dept. of Commerce	Dept. of Energy <sup>3</sup>	YEAR	Total <sup>1</sup>	NASA <sup>2</sup>		Dept. of Defense	Dept. of Commerce	Dept. of Energy <sup>3</sup>
		Total	Percent of total						Total	Percent of total			
1960	1,066	482	48.2	581	(x)	43	1975	4,814	2,915	60.7	1,692	84	36
1965	6,868	5,138	75.5	1,574	12	229	1976	5,320	3,225	60.7	1,893	72	23
1966	6,970	5,085	74.2	1,689	27	187	1977	5,983	3,440	59.8	2,412	91	22
1967	6,710	4,830	74.0	1,684	29	184	1978	6,509	3,623	56.4	2,729	103	34
1968	6,529	4,430	70.3	1,922	26	145	1979	7,419	4,030	56.9	3,211	96	58
1969	5,976	3,822	66.8	2,013	20	118	1980	8,689	4,680	56.3	3,848	83	40
1970	5,341	3,547	70.1	1,678	8	103	1981	9,978	4,982	55.3	4,826	87	41
1971	4,741	3,101	69.8	1,512	27	95	1982	12,091	5,484	45.4	6,382	144	61
1972	4,575	3,071	72.3	1,407	31	55	1983	15,584	6,328	40.7	9,019	178	36
1973	4,825	3,083	70.6	1,823	40	54	1984	17,449	6,590	37.8	10,680	236	34
1974	4,640	2,759	65.6	1,768	60	42							

x: Not applicable. <sup>1</sup> Includes agencies not shown separately. <sup>2</sup> Includes budget authority for the space transportation system of \$3.1 billion in 1982; \$4.1 billion in 1983; and \$4.0 billion in 1984. <sup>3</sup> See footnote 1, table 968.

Source: U.S. National Aeronautics and Space Administration, *Aeronautics and Space Report of the President*, annual. Data from Office of Management and Budget.

# **NO. 970. NASA—OUTLAYS FOR OPERATIONAL ACTIVITIES AND FOR RESEARCH AND DEVELOPMENT: 1965 TO 1986**

[In millions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (—) indicates decrease]

YEAR	AGENCY TOTAL		PERFORMANCE (OPERATIONS)			PERFORMANCE (R&D)				FACILITIES (R&D)			
	Total outlays	Per- cent change	Total oper- ations	Space flight	Other	Total	Space flight	Space science, applica- tions <sup>1</sup>	Air trans- port and other	Total R&D	Space flight	Space science, applica- tions <sup>1</sup>	Air trans- port and other
1965	5,093	<sup>a</sup> 22.1	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	<sup>a</sup> 4,562	<sup>a</sup> 3,138	<sup>a</sup> 1,126	<sup>a</sup> 298	531	401	78	52
1970	3,753	- 11.7	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	<sup>a</sup> 3,699	<sup>a</sup> 2,195	<sup>a</sup> 983	<sup>a</sup> 541	54	14	21	19
1975	3,286	.3	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	<sup>a</sup> 3,181	<sup>a</sup> 1,500	<sup>a</sup> 1,076	<sup>a</sup> 606	85	35	9	42
1980	4,850	15.8	1,245	914	331	3,485	1,842	1,341	482	140	36	5	97
1982	6,035	11.3	2,706	2,303	403	3,220	1,255	1,442	543	109	17	3	89
1983	6,864	10.4	4,018	3,431	587	2,539	996	1,466	456	108	26	—	82
1984	7,048	5.8	3,317	2,864	453	3,538	1,183	1,667	688	182	44	20	128
1985	7,251	2.9	4,034	<sup>a</sup> 3,310	724	2,970	642	1,834	694	247	70	23	154
1986	7,404	2.1	3,873	2,847	726	3,432	740	2,101	591	298	107	26	186

— Represents zero. <sup>1</sup> Includes technology. <sup>2</sup> Change from 1984. <sup>3</sup> Performance (operations) included in performance (R&D). <sup>4</sup> Excludes intragovernmental funds, Federal Financing Bank, direct loan principle repayments—\$67 million in 1985.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

# **O. 971. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION—BUDGET SUMMARY: 1965 TO 1987**

[In millions of dollars]

ITEM	1965	1986	1987	ITEM	1965	1986	1987
Budget summary, total	7,562	7,764	10,547	Commercial programs	10	27	41
Research and development	2,468	2,619	3,121	Space transportation capability development	391	404	491
Space Science and applications	1,405	1,476	1,553	Upper stages	137	122	156
Physics and astronomy	677	689	553	Engineering and technical base	108	110	133
Hubble space telescope develop	195	126	101	Payload operations and support equipment	56	55	44
Gamma ray observatory develop	117	85	51	Spacelab	56	78	74
Shuttle/spacelab payload develop. and mission management	105	89	80	Advanced programs	21	19	28
Mission operations and data analysis	109	112	126	Tethered satellite system	18	15	11
Suborbital program	59	80	75	Orbital maneuvering vehicle	—	5	45
Explorer development	52	48	57	Aeronautics and space technology	482	495	587
Research and analysis	40	49	53	Aeronautical research and technology	342	337	419
Life sciences	62	66	72	Research and technology base	223	229	271
Planetary exploration	291	354	358	Systems technology programs	<sup>a</sup> 119	108	103
Messenger	93	120	97	Rotorcraft systems technology	26	21	19
Research and analysis	62	60	68	Numerical aerodynamic simulation	27	28	30
Galileo development	59	64	71	Advanced propulsion systems technology	26	42	28
Mars observer	13	34	36	High-performance aircraft	22	18	26
Mission operations and data analysis	56	67	76	Transatmospheric research and technology	—	—	45
Ulysses	9	9	10	Space research and technology	150	159	186
Space applications	374	487	569	Space station	159	200	420
Environmental observations	213	272	321	Tracking and data advanced systems	15	16	17
Upper atmosphere research satellite mission	56	114	114	Space flight, control and data communication programs	3,364	3,870	5,800
Scatterometer	12	14	33	Space shuttle production and operational capability	1,485	1,370	3,105
Upper atmosphere research and analysis	31	33	33	Orbiter	674	397	373
Extended mission operations	30	34	34	Propulsion systems	592	793	464
TOPEX <sup>1</sup>	—	—	19	Launch and mission support	218	180	148
Atmospheric dynamics and radiation research and analysis	29	28	31	Orbiter replacement	—	—	2,100
Oceanic processes research and analysis	19	21	19	Changes and systems upgrade	—	—	20
Space physics research and analysis	17	20	21	Space transportation operations	1,314	1,640	1,847
Earth radiation budget experiment	8	2	—	Flight hardware	723	891	936
COSTR <sup>2</sup>	—	—	5	Flight operations	316	434	558
Shuttle/spacelab payload development	8	8	12	Launch and landing operations	276	315	353
Communications	61	86	104	Expendable launch vehicles	—	—	2
Solid earth observations	<sup>a</sup> 58	71	78	Space and ground network, communications and data systems	796	860	846
Geodynamics	22	32	34	Space network	378	274	405
Research and analysis	16	17	20	Ground network	233	210	237
Shuttle/spacelab payloads	12	22	22	Communications and data systems	184	176	204
Materials processing in space	27	31	48	Research and program management	1,332	1,342	1,461
Information systems	16	18	21	Construction of facilities	158	133	186
safety, reliability and quality assurance	—	—	12				

— Represents or rounds to zero. <sup>1</sup> Includes other items not shown separately. <sup>2</sup> Ocean topography experiment. <sup>3</sup> Collaborative Solar Terrestrial Geostell Research.

Source: U.S. National Aeronautics and Space Administration, *NASA News*.

## No. 972. NASA—PERMANENT PERSONNEL DISTRIBUTION SUMMARY: 1975 TO 1986

CODE AND INSTALLATION	1975	1980	1982	1983	1984	1986	1986		
							Total	Per- cent male	Per- cent Black <sup>1</sup>
<b>Total</b>	<b>24,333</b>	<b>22,813</b>	<b>21,186</b>	<b>21,824</b>	<b>21,415</b>	<b>21,423</b>	<b>21,328</b>	<b>74.2</b>	<b>8.0</b>
Professional	15,169	14,749	14,208	14,664	14,410	14,519	14,603	82.5	5.4
Scientists and engineers, aerospace technicians	11,438	10,779	10,395	10,779	10,805	10,884	10,925	90.3	3.7
Administrators	3,504	3,539	3,462	3,589	3,526	3,675	3,656	53.6	10.7
Scientists and engineers, non aerospace technicians	180	377	302	264	226	209	171	90.1	6.4
Life sciences	47	54	49	52	53	51	51	72.5	3.9
Non-professional	9,164	7,964	6,978	7,260	7,005	6,904	6,425	55.0	14.0
<b>INSTALLATION</b>									
Headquarters	1,562	1,516	1,431	1,505	1,406	1,363	1,362	56.9	21.7
Ames Research Center, CA <sup>2</sup>	2,161	2,116	2,041	2,083	2,063	2,052	2,072	76.9	4.2
Lewis Research Center, Cleveland, OH	3,042	2,822	2,485	2,676	2,650	2,715	2,586	82.3	6.3
Langley Research Center, Hampton, VA	3,315	2,966	2,801	2,968	2,873	2,827	2,814	76.6	9.1
Goddard Space Flight Center, MD <sup>3</sup>	4,165	3,818	3,621	3,716	3,581	3,629	3,679	73.9	9.0
Marshall Space Flight Center, AL	4,100	3,583	3,332	3,412	3,264	3,264	3,260	73.7	6.7
National Space Technology Labs, MS	69	103	103	111	112	122	123	68.7	6.1
Johnson, Houston, TX	3,860	3,506	3,266	3,306	3,316	3,330	3,269	71.6	7.1
Kennedy, FL	2,256	2,201	2,104	2,146	2,118	2,081	2,051	72.5	5.4

<sup>1</sup> Excludes Hispanic Blacks. <sup>2</sup> Includes Flight Research Center, California. <sup>3</sup> Includes Wallops Flight Research Center, Virginia.

Source: U.S. National Aeronautics and Space Administration, *Personnel Management Information System (PMS)*, annual.

## No. 973. SPACE VEHICLE SYSTEMS—NET SALES AND BACKLOG ORDERS: 1965 TO 1985

(In millions of dollars. Backlog orders as of Dec. 31. Based on data from major companies engaged in manufacture of aerospace products. Excludes engines and propulsion units)

YEAR	NET SALES			BACKLOG ORDERS			YEAR	NET SALES			BACKLOG ORDERS		
	Total	Mil- itary	Non- military	Total	Mil- itary	Non- military		Total	Mil- itary	Non- military	Total	Mil- itary	Non- military
1965	2,449	602	1,847	2,203	503	1,700	1961	3,856	1,738	2,120	3,174	2,184	1,010
1970	1,956	1,025	931	1,184	766	398	1962	4,749	2,606	2,143	4,337	2,403	1,834
1975	2,119	1,096	1,023	1,304	1,019	285	1963	4,940	2,420	2,520	4,695	2,733	2,132
1980	3,483	1,461	2,022	1,814	951	863	1964	5,225	3,019	2,206	4,624	3,088	1,525
							1965	6,271	4,212	2,059	5,200	3,434	1,766

Source: U.S. Bureau of the Census, *Current Industrial Reports, MA-37D, Aerospace Industry (Sales and Orders)*.

## No. 974. SPACE SHUTTLE SYSTEM EXPENDITURES BY NASA IN CONSTANT (1982) DOLLARS: 1972 TO 1986

(In millions of dollars. For year ending Sept. 30. These data cannot be used alone to estimate the total shuttle cost. Only operating expenditures correspond to an annual cost in the economic series, and even these estimates require adjustment for the three-year period over which the cost of a shuttle flight is incurred and reimbursements are received. For details, see source)

YEAR	Total	D.D.T. and E <sup>1</sup>	Con- struction	Pro- duction	Oper- ations	YEAR	Total	D.D.T. and E <sup>1</sup>	Con- struction	Pro- duction	Oper- ations
1972	40	-	40	-	-	1980	2,751	1,338	42	907	463
1973	58	-	58	-	-	1981	2,724	1,041	13	1,083	578
1974	325	216	106	-	-	1982	2,932	894	20	1,283	736
1975	1,543	1,407	136	-	-	1983	3,014	-	29	1,635	1,354
1976	2,918	2,541	377	-	-	1984	3,127	-	73	680	2,384
1977	2,256	2,069	60	109	-	1985	2,836	-	42	1,376	1,216
1978	2,062	1,896	103	61	-	1986	2,791	-	4	1,206	1,521
1979	2,251	1,713	42	496	-						

- Represents zero. <sup>1</sup> Design, development, testing, and evaluation.

Source: U.S. Congress, Congressional Budget Office, *Pricing Options for the Space Shuttle*, March 1985 and U.S. National Aeronautics and Space Administration, *NASA Budget Estimates for Fiscal Year 1986*.

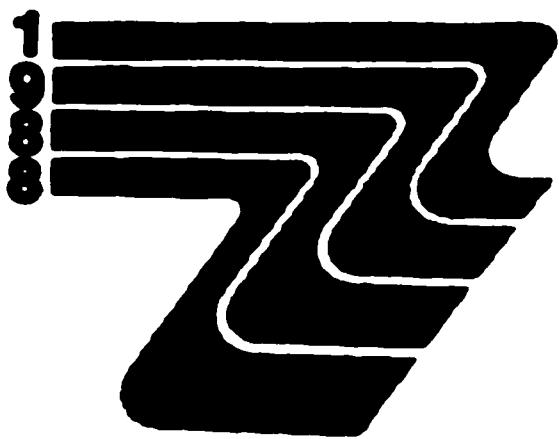
## No. 975. WORLD-WIDE SUCCESSFUL SPACE LAUNCHES: 1957 TO 1986

(Criterion of success is attainment of Earth orbit or Earth escape. E.S.A. = European Space Agency)

YEAR	Total <sup>1</sup>	Sovi- et Union	Unit- ed States	Japan	E.S.A.	India	China, Main- land	YEAR	Total <sup>1</sup>	Sovi- et Union	Unit- ed States	Japan	E.S.A.	India	China, Main- land
<b>Total</b>	<b>2,966</b>	<b>1,922</b>	<b>867</b>	<b>31</b>	<b>14</b>	<b>3</b>	<b>17</b>	1970-1974	555	405	139	5	-	-	2
1957-1959	21	6	15	-	-	-	-	1975-1979	607	451	128	10	1	-	6
1960-1964	76	76	192	-	-	-	-	1980-1984	605	483	93	12	6	3	6
1965-1969	569	302	279	-	-	-	-	1985	121	98	17	2	-	-	1
								1986	103	91	6	2	-	-	2

- Represents zero. <sup>1</sup> Includes launches in other countries not shown separately.

Source: Library of Congress, Congressional Research Service, Science Policy Research Division, *Space Activities of the United States and Other Launching Countries/Organizations: 1957-1986*, February 1987



## Section 21

# Transportation— Land

This section presents statistics on revenues, passenger and freight traffic volume, and employment in various revenue-producing modes of the transportation industry, including motor vehicles, trains, and pipelines. Data are also presented on commuting travel; highway mileage and finances; motor vehicle travel, accidents, sales, and registrations; automobile operating costs; and characteristics of public transit, railroads, and pipelines.

The principal compiler of data on public roads and on operation of motor vehicles is the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). These data appear in FHWA's annual *Highway Statistics*. The U.S. Interstate Commerce Commission (ICC) presents data on interstate land transport in its publications, the *Annual Report to Congress* and the *Transport Statistics in the United States*, which contain data on railroads and motor carriers subject to ICC regulations.

The U.S. National Highway Traffic Safety Administration issues data on traffic accident deaths and death rates in two annual reports: the *Fact Book* and the *Fatal Accident Reporting System Annual Report*. DOT's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident/Incident Bulletin*, and the *Rail-Highway Crossing Accident/Incident and Inventory Bulletin*.

Various censuses and surveys conducted by the U.S. Bureau of the Census also provide data. Results of the censuses of transportation are presented in the *Truck Inventory and Use Survey*. The *Annual Survey of Manufactures* and reports of the censuses of manufactures, wholesale and retail trade, and service industries contain statistics on the motor vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Data on persons commuting to work were collected as part of the 1980 census and are in various census reports.

Data are also presented in many nongovernment publications. Among them are: The weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published by the Association of American Railroads, Washington, DC; *Bus Facts*, issued annually by the American Bus Association, Washington, DC; and the *Transit Fact Book*, containing electric railway and motorbus statistics, published annually by the American Public Transit Association, Washington, DC. Useful annual handbooks in the field of transportation are *Motor Vehicle Facts and Figures* and *World Motor Vehicle Data*, issued by the Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI; *Accident Facts*, issued by the National Safety Council, Chicago, IL; and *Transportation in America*, issued by the Transportation Policy Associates, Washington, DC.

**Urban and rural highway mileage.**—Beginning 1980, mileage is classified in urban and rural categories, rather than municipal and rural. Urban denotes the Federal-aid legislation definition of an area. Such areas include, as a minimum, a census place with a population of 5,000 to 49,999 or a designated urbanized area with a population of 50,000 or more. These Federal-aid urban areas may extend beyond corporate and census boundaries, and thus are not necessarily coextensive with municipal boundaries. Rural in 1980 refers to non-Federal-aid urban area mileage. Prior to 1980, municipal referred to roads within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas and rural to non-municipal roads.

**Federal-aid highway systems.**—Federal law provides that Federal funds be matched in varying proportions with State funds for the costs of planning, engineering, right-of-way acquisition, and construction of highways. Other costs, such as maintenance and policing, are borne entirely by the States and local agencies.

Effective July 1, 1976, a uniform road classification system was implemented which shortened the mileage of the highway system and redefined the three main systems of Federal-aid routes. The Federal-aid primary system is comprised of a network of main roads important to interstate, statewide, and regional travel. The system consists of main rural roads and their extensions into or through urban areas. The Federal-aid secondary system consists of rural roads of a more local nature, such as those which connect county seats and the larger population centers not served by



the primary system. The Federal-aid urban system is located in urban places of 5,000 or more persons and consists of major urban roads and streets, except those on the primary system.

**Regulatory bodies.**—The ICC, created by the U.S. Congress to regulate transportation in interstate commerce, has jurisdiction over railroads, trucking companies, bus lines, freight forwarders, water carriers, coal slurry pipelines, and transportation brokers. The Federal Energy Regulatory Commission is responsible for setting rates and charges for transportation and sale of natural gas and for establishing rates or charges for transportation.

**Motor carriers.**—For 1960-1973, class I for-hire motor carriers of freight were classified by the ICC as those with \$1 million or more of gross annual operating revenue; 1974-1979, the class I minimum was \$3 million. Effective January 1, 1980 class I carriers are those with \$5 million or more in revenue. For 1960-1968, class I motor carriers of passengers were classified by the ICC as those with \$200,000 or more of gross annual operating revenue; for 1969-1976, as those with revenues of \$1 million or more; and since 1977, as those with \$3 million or more.

**Railroads.**—Railroad companies reporting to the ICC are divided into specific groups as follows: (1) Regular line-haul (interstate) railroads (and their non-operating subsidiaries); (2) switching and terminal railroads; (3) private railroads prior to 1984 (identified by ICC as "circular" because they reported on brief circulars); and (4) unofficial railroads, so designated when their reports are received too late for tabulation. For the most part, the last 3 groups are not included in the statistics shown here.

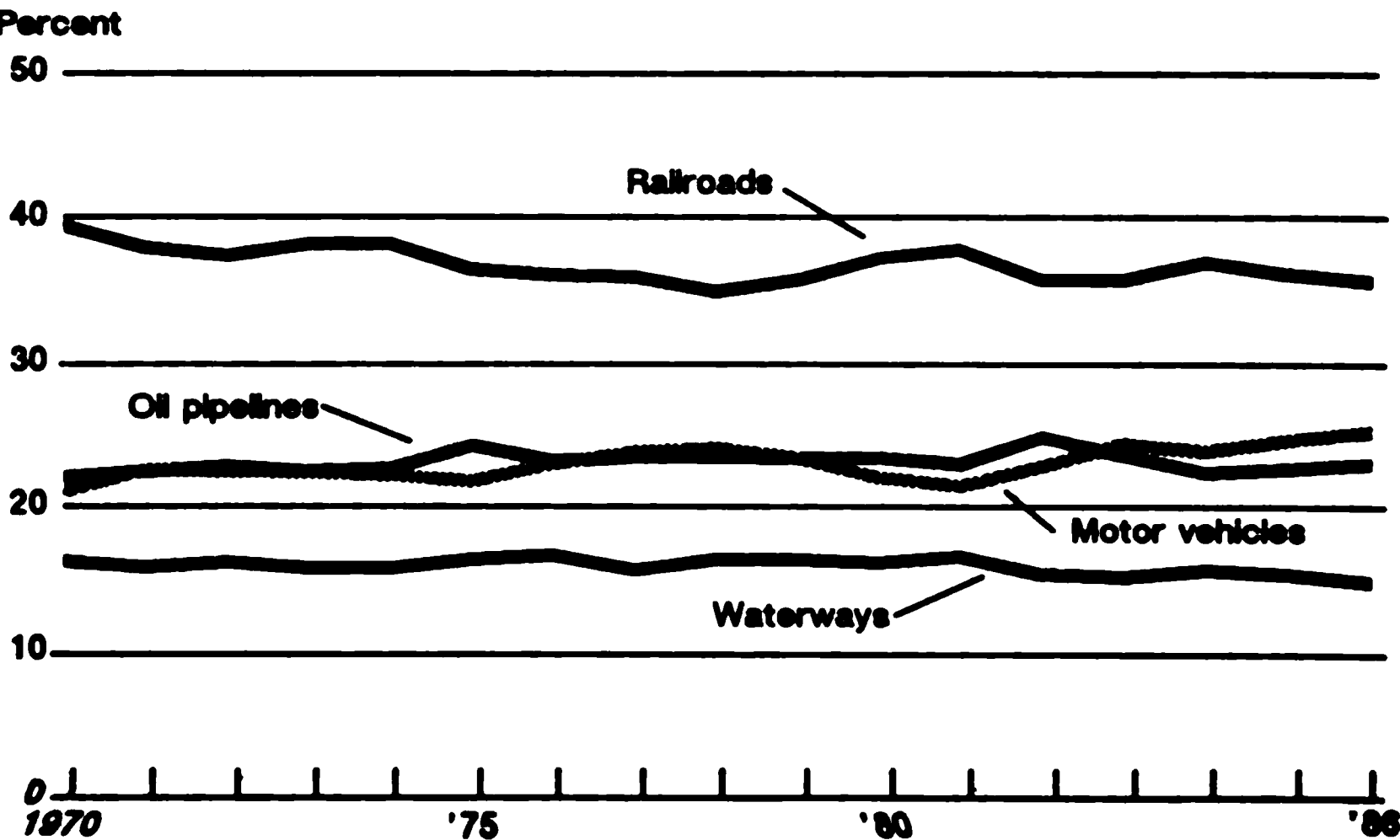
For years prior to 1978, class I railroads were those with annual revenues of \$1 million or more for 1950-1955; \$3 million or more for 1956-1984; \$5 million or more for 1985-1975; and \$10 million or more for 1976-1977. In 1978, the classification became class I, those having more than \$50 million gross annual operating revenue; class II, from \$10 million to \$50 million; and class III, less than \$10 million. Effective January 1, 1982, the ICC adopted a procedure to adjust the threshold for inflation by restating current revenues in constant 1978 dollars. In 1986, the criteria for class I and class II railroads were \$88.5 million and \$17.7 million, respectively. Also effective January 1, 1982, the ICC adopted a *Carrier Classification Index Survey Form* for carriers not filing annual report form R-1 with the commission. Class II and class III railroads are currently exempted from filing any financial report with the Commission. The form is used for reclassifying carriers.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Figure 21.1  
Ton-Miles of Domestic Intercity Freight Traffic—Percent  
Distribution by Type of Transportation: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 879.

**NO. 976. PASSENGER AND FREIGHT TRANSPORTATION OUTLAYS, BY TYPE OF TRANSPORT:  
1970 TO 1986**

[In billions of dollars. Freight data include outlays for mail and express. ICC = Interstate Commerce Commission]

TYPE OF TRANSPORT	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, est.
Total outlays <sup>1</sup>	195.8	207.8	248.9	282.2	446.1	492.4	540.9	595.8	698.7	638.7	706.0	742.0	787.8				
Passenger, total	114.9	127.4	221.8	248.3	279.3	307.8	336.9	373.5	377.7	409.0	455.7	483.3	489.6				
Private transportation	99.6	101.3	191.8	215.0	241.9	263.9	284.6	317.4	320.6	347.2	387.0	412.6	417.6				
Automobiles <sup>2</sup>	97.0	156.8	188.8	210.0	235.9	258.8	275.7	308.0	312.4	339.8	378.8	404.3	410.0				
New and used cars	32.1	46.0	58.7	70.4	80.4	77.1	73.3	82.6	85.7	105.6	125.7	138.5	150.2				
Tires, tubes, accessories	7.1	12.4	13.8	15.8	17.2	19.6	22.2	24.6	24.9	26.9	27.5	28.4	28.9				
Gasoline and oil	29.9	53.9	58.8	58.7	60.3	78.3	89.7	111.3	106.3	105.9	106.7	106.1	92.5				
Insurance less claims	4.4	4.5	6.4	9.5	10.2	10.3	11.5	10.8	11.2	12.6	12.0	11.8	12.4				
Interest on debt	4.7	7.3	8.8	10.4	12.8	15.4	17.5	21.0	21.8	19.8	25.1	24.5	25.0				
Registration and operator's permit fees	1.9	2.3	2.7	2.8	3.0	3.1	3.3	3.5	3.8	4.1	4.6	5.3	5.8				
Repair, greasing, washing, parking, tolls <sup>3</sup>	13.2	22.1	25.0	29.6	33.0	36.7	38.0	41.5	43.5	45.7	50.4	56.2	59.0				
Air	2.6	4.7	5.2	5.8	5.9	7.1	8.1	9.4	8.2	7.4	8.2	8.3	7.8				
Aircraft	4	1.0	1.2	1.5	1.7	2.1	2.0	3.0	2.8	1.9	2.8	2.3	2.0				
Operating costs	2.3	3.8	4.0	4.1	4.2	5.0	5.2	5.6	5.4	5.5	5.7	6.0	5.8				
For-hire transportation	15.3	26.2	30.0	33.3	37.3	43.3	52.2	58.1	57.1	61.8	68.7	70.8	72.0				
Local <sup>4</sup>	5.4	10.5	12.1	12.7	13.8	15.4	18.5	20.4	21.9	22.3	23.8	24.2	24.9				
Bus and transit <sup>5</sup>	1.8	4.7	5.8	5.9	6.7	7.5	9.2	10.1	10.3	11.4	11.7	11.8	12.0				
School bus	1.2	2.2	2.4	2.5	2.7	3.2	3.8	4.7	5.0	5.2	5.8	5.8	6.3				
Taxi	2.1	3.4	3.8	4.1	4.3	4.5	5.2	5.2	5.8	5.3	5.5	5.6	5.9				
Inter-city	7.7	12.9	14.9	17.2	19.8	23.3	28.4	30.6	30.6	33.5	36.5	38.6	40.0				
Air	6.8	11.2	13.0	14.9	17.1	20.4	25.1	26.8	26.8	29.7	33.8	35.9	36.8				
Rail <sup>6</sup>	.3	.6	.9	1.2	1.3	1.4	1.8	1.9	1.8	1.8	1.8	1.6	1.8				
Bus	.8	1.0	1.1	1.1	1.2	1.4	1.7	1.8	1.8	2.0	2.0	2.0	1.8				
International	2.2	2.7	2.9	3.4	3.8	4.6	5.3	5.3	5.4	6.0	6.6	7.0	7.1				
Freight, total <sup>4</sup>	83.8	115.5	153.2	160.4	174.0	192.9	212.1	234.6	220.9	240.5	271.7	281.6					
Highway	62.5	84.8	98.0	111.4	128.8	142.7	155.4	173.3	162.7	180.5	195.8	205.5	216.1				
Truck, intercity	33.8	47.4	56.2	67.4	78.6	90.2	94.6	100.2	99.9	111.1	120.7	128.9	137.0				
ICC regulated	14.6	22.0	26.0	31.0	36.5	41.2	43.0	47.9	44.1	46.5	52.1	54.2	54.1				
Non-ICC regulated	19.0	25.4	30.2	36.4	43.1	49.0	51.6	52.3	55.8	64.6	68.6	74.7	78.9				
Truck, local	28.8	37.3	41.8	43.9	48.1	52.9	60.5	72.8	62.5	69.2	74.7	78.4	78.9				
Rail	11.9	18.5	19.2	20.5	21.9	24.8	27.7	30.5	27.1	27.3	30.5	29.2	27.5				
Water	5.1	7.9	8.9	10.3	12.4	13.4	14.8	15.7	15.6	16.2	17.8	18.7	18.9				
Oil pipeline	1.4	2.2	2.5	3.2	5.5	6.2	7.1	7.4	7.9	8.3	8.7	8.3	8.6				
Air carrier	1.2	1.8	2.1	2.4	2.7	2.8	4.0	4.3	4.4	5.0	6.0	6.7	7.2				

<sup>1</sup> Total outlays less than sum of passenger and freight totals, as estimated freight costs included in costs of new cars, gasoline, tires, and tubes have been excluded to prevent duplication. <sup>2</sup> Includes business-owned vehicles. <sup>3</sup> Includes storage and fuel. <sup>4</sup> Includes items not shown separately. <sup>5</sup> Includes Federal, State and local government operating subsidies and pilot grants. <sup>6</sup> Includes Federal operating subsidies and capital grants for Amtrak.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America*, March 1987, with periodic supplements. (Copyright.)

**NO. 977. PERSONAL CONSUMPTION EXPENDITURES FOR TRANSPORTATION: 1970 TO 1986**

[In billions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions]

TYPE OF PRODUCT OR SERVICE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total expenditures	81.5	131.2	157.1	181.5	198.3	222.0	238.5	261.6	267.6	298.4	329.5	368.8	365.3				
Percent of total personal consumption <sup>1</sup>	12.7	13.0	13.9	14.4	14.2	14.2	13.8	13.7	13.0	13.2	13.6	13.6	13.0				
Self-operated transportation	74.5	119.9	144.0	168.6	183.7	203.5	216.8	238.0	243.7	270.5	301.6	329.7	336.5				
New autos	21.9	29.3	38.2	44.4	48.5	49.3	48.4	50.7	53.3	68.2	77.6	86.9	101.5				
Net purchases of used autos	5.2	8.5	11.1	12.2	13.7	14.8	14.9	17.8	19.6	21.6	30.2	34.5	33.8				
Other motor vehicles	2.7	7.7	12.1	15.8	19.2	17.6	12.3	12.9	15.6	20.7	26.4	31.3	34.6				
Tires, tubes, accessories, other parts	5.1	10.3	11.4	12.9	13.7	15.3	16.7	19.1	20.2	21.9	23.3	25.0	25.0				
Repair, greasing, washing, parking <sup>2</sup>	12.3	19.8	22.1	28.7	26.0	31.1	32.3	34.8	35.4	38.4	42.8	48.3	51.8				
Gasoline and oil	21.9	39.7	43.0	46.9	51.3	58.1	63.7	69.1	69.1	69.2	90.0	92.6	75.3				
Bridge, tunnel, ferry, road tolls	7	.8	.9	.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4				
Insurance premiums less claims paid	3.8	3.8	5.3	7.8	8.3	8.4	8.4	8.9	9.1	10.3	10.0	9.9	12.4				
Purchased local transportation <sup>3</sup>	3.0	4.0	4.4	4.8	5.1	5.8	5.8	6.2	6.4	6.5	6.9	7.1	7.6				
Transit systems	1.6	1.9	2.0	2.1	2.2	2.4	2.4	2.7	3.0	3.1	3.4	3.5	3.8				
Taxicab	1.2	2.0	2.2	2.4	2.6	2.9	3.1	3.2	3.0	2.9	3.0	3.1	3.3				
Purchased intercity transportation	4.0	7.3	8.6	9.9	11.1	13.0	15.9	17.3	17.8	18.4	21.0	22.0	21.9				
Airline	3.1	5.9	7.1	8.3	9.3	10.9	13.4	14.5	14.7	15.3	17.5	18.3	18.1				
Bus	.5	7	.8	.8	.8	1.0	1.2	1.3	1.3	1.2	1.2	1.2	1.1				
Railway and other <sup>4</sup>	.4	7	.8	.9	.9	1.1	1.3	1.5	1.8	1.9	2.2	2.5	2.7				

<sup>1</sup> See table 676. <sup>2</sup> Includes rental and storage. <sup>3</sup> Includes railway commutation, not shown separately. <sup>4</sup> Railway includes commutation; "other" consists of baggage charges, coastal and inland waterway fares, travel agents' fees and airport fees.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

## NO. 978. EMPLOYMENT AND EARNINGS IN TRANSPORTATION, BY INDUSTRY: 1970 TO 1986

[Annual averages of monthly figures. Based on Current Employment Statistics program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Q 36-42]

SIC code	INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986
(x)	NUMBER (1,000)									
	<b>Total</b>	<b>2,884</b>	<b>2,886</b>	<b>2,862</b>	<b>2,822</b>	<b>2,788</b>	<b>2,746</b>	<b>2,617</b>	<b>2,603</b>	<b>2,641</b>
40	Railroads	634	548	532	495	429	376	378	350	331
4011	Class I railroads	588	496	481	457	388	348	345	323	294
41	Local and interurban passengers	268	270	265	265	263	257	271	278	282
421, 3	Trucking, incl. terminals	998	1,024	1,188	1,188	1,125	1,132	1,227	1,267	1,282
422	Public warehousing	84	84	91	86	84	85	91	98	100
44	Water transportation	213	195	213	219	202	191	191	186	174
45	Air transportation	352	363	453	455	444	455	488	522	570
46	Pipelines, exc. natural gas	18	18	21	22	21	20	19	19	18
47	Transportation services	115	134	198	210	220	229	253	278	284
	AVERAGE WEEKLY EARNINGS (dol.)									
4011	Class I railroads	172	262	427	458	542	573	585	608	
41	Local and interurban passengers	(NA)	148	217	231	248	252	258	275	
421, 3	Trucking, incl. terminals	184	247	388	395	401	406	416	412	415
422	Public warehousing	121	171	248	266	277	288	306	315	318
46	Pipelines, exc. natural gas	189	280	441	491	536	566	597	629	697

NA. Not available. <sup>1</sup> Standard Industrial Classification, see text, section 13.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

## NO. 979. VOLUME OF DOMESTIC INTERCITY FREIGHT AND PASSENGER TRAFFIC, BY TYPE OF TRANSPORT: 1970 TO 1986

[A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. A passenger-mile is the movement of 1 passenger for the distance of 1 mile. Compares public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1970*, series Q1-22]

TYPE OF TRANSPORT	1970	1973	1975	1977	1979	1980	1981	1982	1983	1984	1985	1986
<b>FREIGHT TRAFFIC (bil. ton-miles)</b>												
Total	1,936	2,232	2,066	2,307	2,467	2,573	2,487	2,430	2,252	2,337	2,515	2,458
Railroads	771	858	758	834	888	927	932	924	810	841	935	895
Motor vehicles	412	505	454	555	599	606	555	527	520	575	606	610
Inland waterways <sup>1</sup>	319	358	342	368	409	425	407	410	351	359	399	382
Oil pipelines	431	507	507	548	586	608	588	584	566	568	588	578
Domestic airways <sup>2, 4</sup>	2.3	4.0	3.7	4.2	4.8	4.8	4.8	5.1	5.1	5.8	6.5	6.7
<b>PERCENT DISTRIBUTION</b>												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Railroads	39.82	38.44	36.74	36.15	35.19	36.03	37.47	38.02	36.00	35.99	37.18	36.43
Motor vehicles	21.28	22.63	21.97	24.08	24.29	23.64	22.32	21.69	23.11	24.60	24.10	24.83
Inland waterways <sup>1</sup>	16.48	16.04	16.55	15.95	16.58	16.32	16.37	16.87	15.80	15.36	15.86	15.55
Oil pipelines	22.26	22.72	24.54	23.67	23.75	23.64	23.64	23.21	25.16	23.79	22.58	22.95
Domestic airways <sup>2, 4</sup>	.17	.18	.19	.18	.19	.18	.19	.21	.23	.25	.26	.24
<b>PASSENGER TRAFFIC (bil. passenger-miles)</b>												
Total	1,181	1,341	1,354	1,529	1,602	1,590	1,558	1,573	1,609	1,645	1,687	1,744
Private automobiles	1,026	1,163	1,171	1,316	1,362	1,322	1,300	1,319	1,345	1,364	1,418	1,480
Domestic airways <sup>3</sup>	119	143	148	177	203	228	219	216	227	245	263	291
Bus <sup>5</sup>	25	28	25	26	26	28	27	27	27	28	25	24
Railroads <sup>6</sup>	11	9	10	10	11	12	11	11	10	10	10	11
<b>PERCENT DISTRIBUTION</b>												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Private automobiles	86.88	86.73	86.48	86.07	85.02	83.14	83.44	83.83	83.53	82.32	82.26	81.31
Domestic airways <sup>3</sup>	10.08	10.66	10.93	11.58	12.87	14.34	14.08	13.72	14.11	14.88	15.59	16.68
Bus <sup>5</sup>	2.12	1.94	1.85	1.70	1.62	1.76	1.73	1.72	1.68	1.64	1.48	1.38
Railroads <sup>6</sup>	.93	.67	.74	.65	.59	.75	.71	.76	.66	.67	.65	.63

<sup>1</sup> Estimated by source, based on available data. <sup>2</sup> Includes Great Lakes and inland waterways, but not coastwise, traffic.

<sup>3</sup> Revenue service only for scheduled and non-scheduled carriers, with small Section 416 all-cargo carriers included from 1978.

<sup>4</sup> Includes express, mail, and excess baggage. <sup>5</sup> Includes general aviation (mostly private business) flying. <sup>6</sup> Excludes school and urban transit buses. <sup>7</sup> Includes electric railways and rail commuter service.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America*, March 1987, with periodic supplements (Copyright.)

**NO. 988. TRANSPORTATION ACCIDENTS, AND RESULTING DEATHS AND INJURIES, BY TYPE OF TRANSPORT: 1970 TO 1986**

[For motor vehicle data, see also tables 987 and 988; for railroad data, see also table 1017; for air carrier and general aviation data, see also tables 1024 and 1025]

YEAR AND CASUALTY	Total (1,000)	TYPE OF TRANSPORT											Hazardous materials <sup>11</sup>
		Motor vehicle <sup>1</sup> (1,000)	Railroad <sup>2</sup>	Air carriers				General aviation <sup>3</sup>	Recreational boating <sup>4</sup>	Gas pipelines <sup>5</sup>	Liquid pipelines <sup>6</sup>	Water-borne <sup>7</sup>	
				Total	Air-line <sup>8</sup>	Commuter air carriers <sup>9</sup>	On-demand air carriers <sup>10</sup>						
<b>Accidents:</b>													
1970	16,013	16,000	8,085	(NA)	(NA)	(NA)	(NA)	(NA)	3,803	1,019	351	(NA)	(NA)
1975	16,524	16,500	8,041	237	37	48	152	3,886	6,308	1,373	254	3,310	10,951
1980	17,625	17,600	8,451	228	19	36	171	3,590	5,513	1,998	219	4,824	15,737
1981	18,020	18,000	5,781	214	28	31	157	3,500	5,208	1,895	239	3,503	10,070
1982	18,118	18,100	4,589	178	19	27	132	3,231	5,377	1,711	200	3,174	8,636
1983	18,319	18,300	3,906	184	25	19	140	3,080	5,589	1,575	161	4,704	5,845
1984	18,817	18,800	3,900	166	16	21	146	3,008	5,700	985	188	3,275	5,778
1985	19,348	19,300	3,275	196	23	21	152	2,746	6,237	335	181	3,439	6,014
1986	(NA)	(NA)	2,620	157	25	15	117	2,586	6,407	230	204	2,894	5,671
<b>Deaths:</b>													
1970	54.8	52.8	785	(NA)	(NA)	(NA)	(NA)	(NA)	1,418	22	4	(NA)	(NA)
1975	48.2	44.5	575	221	124	26	69	1,252	1,466	14	7	243	27
1980	54.5	51.1	584	143	1	37	105	1,239	1,380	11	9	306	18
1981	52.5	49.3	558	132	4	34	94	1,262	1,206	17	5	154	25
1982	47.2	43.9	512	320	234	14	72	1,182	1,178	31	-	223	12
1983	45.7	42.6	488	89	15	12	62	1,081	1,241	12	6	290	8
1984	44.6	44.3	508	102	4	46	52	1,115	1,063	36	-	113	7
1985	47.3	43.8	484	640	526	37	77	976	1,116	28	5	187	6
1986	48.8	46.1	474	72	4	4	64	973	1,066	23	3	63	16
<b>Injuries:</b>													
1970	2,024	2,000	21,327	(NA)	(NA)	(NA)	(NA)	(NA)	780	347	21	(NA)	(NA)
1975	1,858	1,800	54,306	109	71	6	32	726	2,136	819	17	97	848
1980	2,086	2,000	62,246	74	17	14	43	675	2,650	310	15	176	626
1981	1,956	1,900	53,003	62	21	24	37	597	2,474	74	22	141	643
1982	1,741	1,700	37,636	98	31	28	39	620	2,662	220	8	271	130
1983	1,636	1,600	32,186	49	8	12	29	586	2,913	242	9	208	193
1984	1,739	1,700	35,680	67	9	23	35	595	2,709	229	19	134	257
1985	1,705	1,700	31,562	62	30	16	43	517	2,757	121	17	167	253
1986	(NA)	(NA)	24,281	54	15	10	27	542	2,847	106	32	87	315

- Represents zero. NA, Not available. <sup>1</sup> Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition; see table 987. Other data are from National Safety Council. <sup>2</sup> Train accidents cover only those accidents which result in damages to railroad property exceeding amounts specified by the U.S. Federal Railroad Administration. The reporting threshold was raised from \$750 to \$1,750 in 1975; to \$2,900 in 1979; to \$3,700 in 1981; to \$4,500 in 1983; and to \$4,900 in 1985. Grade crossing accidents are also included when classified as a train accident. Deaths exclude fatalities in railroad-highway grade crossing accidents. <sup>3</sup> Includes scheduled and non-scheduled (charter) air carriers operating under 14 CFR 121, 125, and 127. Injuries include only serious injuries. <sup>4</sup> All scheduled service operating under 14 CFR 135. Injuries include only serious injuries. <sup>5</sup> All non-scheduled service operating under 14 CFR 135. Injuries include only serious injuries. <sup>6</sup> 1975-1984 data exclude commuter and on-demand air taxis operating under 14 CFR 135. <sup>7</sup> Accidents are required to be reported to the U.S. Coast Guard whenever they result in a death; a person being injured or receiving medical treatment beyond first aid; damages exceed \$200; or a person's disappearance. <sup>8</sup> Pipeline accidents/incidents are credited to the year in which they occurred beginning with 1983 data; prior data are credited to the year the accident/incident reports were filed. Fatalities and injuries as reported in annual report. <sup>9</sup> Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. <sup>10</sup> Covers accidents involving commercial vessels which must be reported to U.S. Coast Guard if there is property damage exceeding \$1,500; material damage affecting the seaworthiness or efficiency of a vessel; stranding or grounding; loss of life; or injury causing a person's incapacity for more than 3 days. <sup>11</sup> Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *Transportation Safety Information Report*, annual.

**NO. 981. FEDERAL OUTLAYS FOR TRANSPORTATION, BY FUNCTION: 1970 TO 1987**

[In millions of dollars. For fiscal years ending in year shown; see text, section 8]

FUNCTION	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total outlays	7,806	10,918	15,521	17,532	21,329	23,979	26,625	21,334	23,998	25,836	26,117	27,917
Percent of total outlays	3.6	3.3	3.4	3.5	3.6	3.4	2.8	2.6	2.6	2.7	2.6	2.7
Average annual percent change <sup>1</sup>	7.4	18.0	4.7	13.0	21.7	9.6	-11.8	3.4	10.9	9.2	8.8	3.9
Ground transportation	4,676	7,027	10,431	12,115	15,274	17,074	14,321	14,285	16,156	17,806	18,725	17,889
Air transportation	1,408	2,367	3,243	3,355	3,723	3,814	3,526	4,000	4,415	4,895	5,287	5,304
Water transportation	895	1,430	1,787	1,999	2,229	2,361	2,667	2,999	3,010	3,201	3,664	3,717
Other transportation	26	74	61	63	104	110	90	99	65	137	140	130

<sup>1</sup> Change from immediate prior year

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

### No. 962. HIGHWAY MILEAGE—URBAN AND RURAL, BY TYPE OF CONTROL, AND FEDERAL-AID HIGHWAY SYSTEM: 1955 TO 1985

[In thousands, except percent. As of Dec. 31. Beginning 1980, data for urban and rural mileage are not comparable to prior years because of classification changes; see text, section 21. See also *Historical Statistics, Colonial Times to 1970*, series G 50, 51, and 55]

TYPE AND CONTROL	1955	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985
Total mileage <sup>1</sup>	3,418	3,546	3,890	3,730	3,838	3,818	<sup>2</sup> 3,985	3,853	■	3,880	3,882	3,883
Urban mileage <sup>3</sup>	373	430	505	581	639	694	824	832	841	882	874	■
Under State control	42	50	65	74	84	88	79	80	109	100	103	111
Under local control	331	379	442	487	555	607	543	540	536	582	571	578
Rural mileage	3,045	3,116	3,385	3,149	3,199	3,224	<sup>2</sup> 3,331	3,221	3,226	3,217	3,218	3,171
Percent surfaced <sup>4</sup>	83.8	84.5	72.3	75.1	77.8	77.5	77.5	88.1	85.7	85.0	87.5	88.1
Under State control	820	859	887	707	711	697	702	726	<sup>5</sup> 825	817	816	773
Under local control	2,333	2,345	2,346	2,275	2,261	2,281	2,270	2,236	<sup>5</sup> 2,140	2,138	2,134	2,173
Under Federal control	93	112	150	188	227	244	262	256	261	262	266	225
Federal-aid highway system: <sup>6</sup>												
Primary	235	255	259	272	288	303	300	298	298	300	300	301
Interstate	(x)	10	21	32	37	40	41	42	42	43	43	44
Urban	(x)	(x)	(x)	(x)	85	124	124	129	134	137	140	144
Secondary	514	601	640	647	643	397	398	401	402	397	398	398

X Not applicable. <sup>1</sup> Prior to 1980, includes public and nonpublic road mileage; beginning 1981, includes only public road mileage as defined 23 USC 402. <sup>2</sup> Includes 98,000 miles of nonpublic road mileage previously contained in other rural categories. <sup>3</sup> Prior to 1980, represents municipal mileage; see text, section 21. <sup>4</sup> Covers soil-surfaced roads and roads with slag, gravel, stone, bituminous, or concrete surfaces. <sup>5</sup> Incomplete reporting from Alaska, Missouri, and Pennsylvania for control accounts for changes between 1981 and 1982. <sup>6</sup> For definition, see text, section 21. Beginning 1979, data represent actual mileage open to traffic rather than total highway miles carrying interstate traffic.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

### No. 963. HIGHWAY MILEAGE—URBAN, RURAL, AND FEDERAL-AID HIGHWAY SYSTEM: 1985

[As of Dec. 31. For definition of urban, rural, and Federal-aid highway system roads, see text, section 21]

STATE	Urban (1,000)	Rural (1,000)	FEDERAL-AID HIGHWAY SYSTEM <sup>1</sup>				STATE	Urban (1,000)	Rural (1,000)	FEDERAL-AID HIGHWAY SYSTEM <sup>1</sup>			
			Total		Urban	Sec- ondary				Total		Urban	Sec- ondary
			Primary	Inter- state <sup>2</sup>						Primary	Inter- state <sup>2</sup>		
U.S.	688.8	3,171.0	257,413	43,893	144,085	368,348	MO	15.0	104.1	6,803	1,142	2,362	18,138
AL	14.5	73.3	6,679	875	2,737	11,300	MT	2.3	68.2	5,478	1,169	325	4,722
AK	1.6	10.0	1,043	1,091	233	1,839	NE	4.8	87.2	7,227	481	1,084	11,441
AZ	10.0	88.9	3,896	1,168	2,857	3,221	NV	3.0	40.8	1,850	543	512	2,331
AR	7.8	80.5	5,130	542	1,114	7,170	NH	2.4	12.1	1,136	207	714	1,239
CA	88.4	107.7	11,076	2,388	16,740	11,119	NJ	22.4	11.5	1,483	385	5,348	1,720
CO	10.7	85.2	4,282	824	2,259	3,405	NM	5.4	48.2	3,566	1,000	598	3,917
CT	10.7	8.9	1,289	339	2,948	902	NY	37.0	73.1	8,433	1,497	8,870	6,345
DE	1.5	3.8	432	41	305	802	NC	17.9	75.4	4,483	795	2,824	10,312
DC	1.1	-	173	12	233	-	ND	1.8	84.4	5,637	571	433	10,467
FL	31.7	67.3	8,395	1,324	5,568	4,682	OH	30.5	82.5	6,645	1,548	7,813	11,888
GA	18.7	66.5	10,050	1,225	3,936	13,982	OK	12.3	88.4	5,308	927	2,868	10,280
HI	1.4	2.6	509	37	317	448	OR	8.4	85.8	5,004	716	1,987	7,708
ID	2.5	66.7	2,885	808	724	4,178	PA	29.1	88.8	8,913	1,524	6,803	8,038
IL	31.0	103.7	9,710	1,786	6,688	12,884	RI	4.4	1.8	438	70	888	187
IN	17.8	73.9	4,988	1,119	■	9,331	SC	9.0	54.2	5,807	784	1,187	8,508
IA	8.8	103.9	8,851	782	2,402	13,437	SD	1.7	71.5	5,799	677	373	11,202
KS	8.8	123.8	8,071	816	1,559	22,589	TN	13.7	70.1	5,072	1,057	3,048	5,335
KY	7.5	82.0	3,779	739	1,847	7,245	TX	88.4	212.8	18,880	3,148	7,510	32,584
LA	12.4	45.9	3,156	686	2,143	7,358	UT	5.1	43.4	2,630	646	847	2,988
ME	2.4	18.6	2,007	312	684	2,727	VT	1.0	19.1	1,110	320	280	1,847
MD	11.8	16.0	2,195	385	2,108	1,887	VA	13.8	51.7	5,483	1,027	3,286	10,187
MA	20.6	13.2	2,215	582	5,903	2,007	WA	15.4	65.6	5,028	727	3,897	7,205
MI	26.6	91.0	5,983	1,131	4,832	19,019	WV	3.0	32.2	2,450	479	785	6,380
MN	13.5	118.8	9,321	884	2,090	18,480	WI	14.0	84.5	8,880	578	2,888	11,841
MS	7.0	84.7	5,893	686	1,684	11,730	WY	1.8	36.8	2,983	812	488	2,287

— Represents zero. <sup>1</sup> Highway mileage open to traffic. <sup>2</sup> Although the interstate system is part of the Federal-aid primary system, its mileage is shown separately.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

# 904. HIGHWAY MILEAGE—PAVEMENT CONDITION FOR URBAN AND RURAL AREAS, BY TYPE OF ROAD SYSTEM: 1978 TO 1985

pavement condition is classified by the Present Serviceability Rating (PSR) system: which ranges from a high of 5.0 to 0.1. The reported ranges are defined as: PSR 5.0-3.5, pavements give a first class ride and exhibit few, if any, visible signs of surface wear. Of the quality of new or nearly new pavements. PSR 3.4-2.0, pavements have a riding quality somewhat less than that of new pavements or may even be barely tolerable at high speeds. Surfaces may show signs of cracking, small patching, and rutting. PSR 1.9-0.1, pavements show extensive wear to the point of needing resurfacing or may even require complete reconstruction.

PAVEMENT CONDITION	INTERSTATE ROAD SYSTEMS				ARTERIAL ROAD SYSTEMS				COLLECTOR ROAD SYSTEMS			
	1978	1980	1984	1985	1978	1980	1984	1985	1978	1980	1984	1985
URBAN AREAS												
of road mileage rated—												
2.1-5.0 (2.1-2.4) <sup>1</sup>	5	6	9	7	5	7	8	5	7	9	8	7
2.0-3.4 (2.5-3.4) <sup>1</sup>	34	26	36	38	48	42	52	53	59	50	58	58
3.5-5.0	58	68	55	55	47	51	42	42	34	41	34	35
RURAL AREAS												
of road mileage rated—												
2.1-5.0 (2.1-2.4) <sup>1</sup>	9	5	8	7	6	6	6	4	6	16	11	7
2.0-3.4 (2.5-3.4) <sup>1</sup>	28	26	34	33	52	46	50	51	66	55	56	48
3.5-5.0	63	69	58	60	42	48	44	45	28	29	33	47

<sup>1</sup> range shown in parentheses applies to interstate roads only.

# NO. 905. RECEIPTS AND DISBURSEMENTS FOR HIGHWAYS, BY TYPE: 1970 TO 1987

millions of dollars. Data compiled from reports of State and local authorities. For Federal highway trust fund receipts, disbursements, and balances, see table 473. State data include District of Columbia.

TYPE	1970	1975	1980	1984	1985	1986	1987, proj.		
							Total <sup>1</sup>	Federal	State
receipts	21,747	25,180	38,715	53,822	61,808	64,367	67,880	15,178	26,628
% income	19,861	26,821	37,804	50,516	54,957	58,989	62,510	15,176	32,526
gas on highway users <sup>2</sup>	15,311	18,578	22,569	33,279	35,569	38,743	41,864	13,033	27,976
or taxes and fees	3,732	6,605	11,806	13,379	15,127	16,030	16,669	1,120	3,190
investment income and other receipts	818	1,738	3,237	3,880	4,231	4,216	3,977	1,023	1,360
issue proceeds <sup>3</sup>	1,886	2,239	2,111	3,304	6,549	5,278	5,050	-	3,000
grants and payments <sup>4</sup>	(x)	(x)	(x)	(x)	(x)	(x)	(x)	13,319	5,546
loan from (+) or placed in (-) reserves	-912	461	+2,080	3,436	4,058	986	933	949	-336
not available	20,835	28,609	41,785	50,384	57,448	63,278	66,627	908	40,736
disbursements	20,835	28,609	41,785	50,384	57,448	63,278	66,627	908	40,736
at disbursements	19,583	27,207	40,084	47,852	54,725	60,626	63,806	908	38,956
total outlay	11,575	14,398	20,337	22,897	27,138	30,265	31,521	458	23,417
maintenance and traffic services	4,720	7,288	11,445	15,036	16,032	17,343	18,267	121	7,146
administration and research	1,275	1,981	3,022	3,837	4,033	4,463	4,783	329	2,086
enforcement and safety	1,303	2,413	3,824	4,825	5,334	5,850	6,447	-	3,572
cost on debt	710	1,129	1,458	1,657	2,188	2,806	2,788	-	1,823
retirement <sup>5</sup>	1,252	1,492	1,711	2,532	2,723	2,652	2,821	-	1,780

figures are zero. X Not applicable. <sup>1</sup> Includes other levels of government not shown separately. <sup>2</sup> Includes amounts later allocated for nonhighway purposes. <sup>3</sup> Par value. Excludes issue and redemption of short-term notes and bonds. Premiums and discounts on sale of bonds and accrued interest are included with investment income and other receipts. <sup>4</sup> Redemption premiums and discounts are included with interest on debt. <sup>5</sup> Plus sign (+) indicates net receipt of funds from levels of government; minus sign (-) indicates net disbursement of funds to other levels.

# NO. 906. DISBURSEMENTS OF STATE HIGHWAY FUNDS BY STATE: 1980 TO 1985

millions of dollars. Comprises disbursements from current revenues or loans for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous. Includes transactions by State toll authorities. Excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1970*, series Q 90-94.

STATE	1980	1984	1985	STATE	1980	1984	1985	STATE	1980	1984	1985
AL	30,849	35,823	40,891	KS	440	473	505	ND	143	205	189
AK				KY	913	807	901	OH	1,032	1,032	1,032
AR	517	851	875	LA	682	680	879	OK	461	585	688
AS	274	347	383	ME	154	207	236	OR	482	469	492
CA	395	857	778	MD	683	879	988	PA	1,557	1,089	2,340
CO	425	311	488	MA	704	719	788	RI	72	181	139
CT	1,930	2,536	3,008	MN	957	1,269	1,275	SC	309	404	420
DE	411	527	563	MS	611	657	980	SD	151	201	211
FL	393	829	595	MT	486	483	845	TN	809	710	800
GA	152	209	234	MO	555	686	854	TX	1,882	1,731	1,825
HI	57	99	142	NE	224	268	268	UT	241	327	304
ID	1,281	1,242	1,847	NV	274	361	358	VT	87	130	135
IL	788	812	1,115	NH	189	196	241	VA	804	852	1,165
IN	134	153	137	NJ	152	181	219	WA	787	932	1,040
IA	153	201	229	NY	682	903	1,229	WV	672	516	582
KS	1,852	1,985	2,087	NC	197	386	384	WI	466	665	689
KY	688	755	919		1,800	1,840	2,022	WY	182	277	289
LA	804	860	748		807	845	986				

of tables 904-909: U.S. Federal Highway Administration, *Highway Statistics*, annual, and releases.



# **NO. 967. FEDERAL GRANTS TO STATE AND LOCAL GOVERNMENTS FOR HIGHWAY TRUST FUND AND URBAN MASS TRANSPORTATION ADMINISTRATION (UMTA), BY STATE: 1986**

[Year ending Sept. 30]

STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA	
	Total (mil. dol.)	Per capita (dol.)	Total (mil. dol.)	Per capita (dol.)		Total (mil. dol.)	Per capita (dol.)	Total (mil. dol.)	Per capita (dol.)		Total (mil. dol.)	Per capita (dol.)	Total (mil. dol.)	Per capita (dol.)
U.S.	13,134	54.82	3,117	12.86	KY	231	61.72	18	1.11	ND	80	117.56	1	1.62
AL	288	71.12	18	3.99	LA	298	66.27	32	7.01	OH	498	46.31	78	7.26
AK	128	240.40	4	7.89	ME	85	55.58	4	3.32	OK	178	53.12	11	3.45
AZ	246	74.26	11	3.20	MO	285	63.84	100	22.47	OR	179	65.28	53	19.66
AR	157	66.23	5	1.93	MA	185	28.26	257	44.07	PA	802	67.48	196	16.43
CA	655	31.70	439	16.27	MI	397	43.42	79	8.06	RI	80	62.50	14	14.48
CO	231	70.65	40	12.32	MN	297	70.60	22	5.25	SC	141	41.73	11	3.16
CT	190	59.44	48	15.06	MS	180	66.84	8	2.18	SD	80	113.66	2	2.25
DE	49	77.32	4	6.22	MO	340	67.08	40	7.99	TN	300	62.52	23	4.81
DC	48	76.20	118	188.48	MT	132	160.74	3	3.84	TX	931	55.84	140	8.40
FL	449	38.49	65	7.26	NE	132	82.90	14	6.64	UT	189	113.25	15	6.78
GA	397	64.66	23	3.76	NV	117	121.13	4	4.38	VT	60	111.24	1	2.37
HI	53	49.44	10	9.06	NH	59	57.56	2	2.31	VA	358	61.99	23	3.97
ID	96	95.53	2	2.15	NJ	295	38.86	199	26.11	WA	351	78.76	57	12.82
IL	579	50.15	277	23.94	NM	116	78.20	4	3.00	WV	234	121.88	9	4.93
IN	186	33.85	45	8.11	NY	673	37.87	492	27.66	WY	208	43.44	50	10.48
IA	176	61.57	12	4.35	NC	284	41.70	16	2.29					
KS	197	111.11	5	2.09										

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year 1986*, March 1987.

# **NO. 968. STATE GASOLINE TAX RATES, 1985 AND 1986, AND MOTOR FUEL TAX RECEIPTS, 1985**

[See also *Historical Statistics, Colonial Times to 1970*, series Q 233-234]

STATE	RATE <sup>1</sup> (cents per gal.)		Re- ceipts, <sup>2</sup> 1986 (mil. dol.)	STATE	RATE <sup>1</sup> (cents per gal.)		Re- ceipts, <sup>2</sup> 1986 (mil. dol.)	STATE	RATE <sup>1</sup> (cents per gal.)		Re- ceipts, <sup>2</sup> 1986 (mil. dol.)
	1985	1986			1985	1986			1985	1986	
Total	28.66	(NA)	(X)	IA	15	18	195	NC	12	15.5	409
Federal	9.0	9.0	(X)	KS	11	11	150	ND	13	13	52
State	11.66	(NA)	13,763	KY	10	15	192	OH	12	12	593
AL	13	13	246	LA	18	18	351	OK	10	10	166
AK	8	8	34	ME	14	14	86	OR	10	11	128
AZ	13	18	232	MO	13.5	13.5	289	PA	12	12	693
AR	13.5	13.5	170	MA	11	11	288	RI	13	15	48
CA	9	9	1,175	MI	15	15	631	SC	13	13	246
CO	12	18	185	MN	17	17	342	SD	13	13	52
CT	16	17	213	MS	9	9	130	TN	13	17	296
DE	11	13	40	MO	7	7	209	TX	10	10	894
DC	15.5	15.5	25	MT	15	17	79	UT	14	14	113
FL	9.7	9.7	552	NE	17.4	17.1	129	VT	13	13	39
GA	7.5	7.5	278	NV	13	13	73	VA	11	15	401
HI	11	11	33	NH	14	14	68	WA	18	18	408
ID	14.5	14.5	77	NJ	6	6	313	WV	10.5	10.5	101
IL	13	13	643	NM	11	11	89	WI	15.5	17.5	374
IN	14	14	418	NY	9	9	492	WY	5	5	34

NA Not available. X Not applicable. <sup>1</sup> In effect Dec. 31. <sup>2</sup> Represents net receipts. <sup>3</sup> Represents weighted average based on net gallons taxed. <sup>4</sup> Includes 2 cents per gallon inspection fee. <sup>5</sup> Trucks or combinations with more than 2 axles pay tax of 2 cents per gallon more. <sup>6</sup> .06 cents per gallon is for inspection fee. <sup>7</sup> Includes 1 cent per gallon inspection fee.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

# **NO. 969. PUBLIC HIGHWAY DEBT—STATE AND LOCAL GOVERNMENTS: 1970 TO 1987**

[In millions of dollars. Long-term obligations. State data are for calendar years; local data for varying fiscal years. Excludes duplicated and interunit obligations. Municipal debt includes other political subdivisions urban in character. See also *Historical Statistics, Colonial Times to 1970*, series Q 136-147]

(ITEM)	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986 <sup>1</sup>	1987 <sup>2</sup>
Total debt	1,869	2,339	1,904	2,094	2,574	2,915	2,898	3,151	6,546	5,278	3,000
State	1,305	1,412	941	1,126	965	1,555	1,072	1,715	3,404	3,375	3,000
County and township	174	222	279	276	305	415	475	524	2,145	703	780
Municipal	407	605	684	690	1,304	945	1,018	912	1,000	1,200	1,200
Total debt redeemed <sup>3</sup>	1,262	1,482	1,751	1,708	2,464	2,046	2,172	2,411	2,723	2,662	2,801
State	782	908	960	1,022	1,579	1,146	1,191	1,507	1,580	1,659	1,780
County and township	152	166	177	209	201	225	303	216	422	248	298
Municipal	316	418	614	475	684	675	678	696	711	745	713
Total debt outstanding	18,107	23,801	25,483	25,861	25,861	25,830	27,234	27,964	31,798	34,418	36,646
State	13,903	17,422	18,176	18,282	17,866	18,077	17,958	18,186	19,990	21,706	22,699
County and township	1,685	1,822	2,090	2,157	2,261	2,451	2,823	2,931	4,644	5,069	5,283
Municipal	3,519	4,557	5,197	5,412	6,032	6,302	6,643	6,867	7,156	7,611	8,199

<sup>1</sup> Preliminary. <sup>2</sup> Projection. <sup>3</sup> Excludes refunding issues. <sup>4</sup> Excludes redemptions by refunding.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

## No. 986. MOTOR VEHICLES—SUMMARY: 1970 TO 1986

Item	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>PASSENGER CARS</b>										
in production	1,000	8,550	8,717	8,378	8,253	5,073	6,781	7,773	8,185	7,829
in factory sales	1,000	8,547	8,713	8,400	8,255	5,048	6,738	7,621	8,002	7,518
in (new), retail sales <sup>1</sup>	1,000	8,405	8,640	8,379	8,536	7,982	9,182	10,390	11,042	11,453
in (new), retail sales <sup>2</sup>	1,000	7,116	7,050	6,581	6,209	5,759	6,795	7,952	8,205	8,215
in (new), retail sales <sup>3</sup>	1,000	1,338	700	1,804	1,530	1,489	1,776	2,322	1,297	1,325
in (new), retail sales <sup>4</sup>	1,000	1,338	2,338	1,859	1,588	1,257	1,110	1,336	2,569	2,461
in (new), retail sales <sup>5</sup>	1,000	1,338	1,858	1,358	1,250	1,377	1,825	1,917	1,882	1,888
in (new), retail sales <sup>6</sup>	1,000	5,778	2,058	1,857	1,757	1,841	2,071	2,484	2,464	2,540
in (new), retail sales <sup>7</sup>	1,000	1,286	1,587	2,396	2,327	2,223	2,387	2,439	2,838	3,238
<b>TRUCKS</b>										
in production	1,000	1,734	2,270	1,834	1,890	1,912	2,444	3,151	3,486	3,490
in factory sales	1,000	1,892	2,272	1,867	1,701	1,908	2,414	3,075	3,357	3,383
in retail sales <sup>8</sup>	1,000	1,746	2,351	2,232	1,972	2,248	2,708	3,538	3,984	4,031
in retail sales <sup>9</sup> (up to 14,000 GVW) <sup>10</sup>	1,000	(NA)	2,076	1,984	1,747	2,064	2,521	3,261	3,700	3,788
in retail sales <sup>9</sup> (14,001 to 26,000 GVW) <sup>10</sup>	1,000	(NA)	189	92	74	46	48	61	53	51
in retail sales <sup>9</sup> (over 26,000 GVW) <sup>10</sup>	1,000	126	178	152	136	141	216	231	214	214
<b>MOTORCYCLES</b>										
in production, new <sup>11</sup>	1,000	751	747	838	784	889	811	772	722	631
in retail sales <sup>12</sup>	1,000	1,010	940	1,070	1,065	990	1,185	1,305	1,280	1,046
in retail sales <sup>13</sup>	1,000	(NA)	(NA)	(NA)	(NA)	250	425	550	550	465
in retail sales <sup>14</sup>	1,000	(NA)	(NA)	(NA)	(NA)	275	430	635	683	498
in retail sales <sup>15</sup>	1,000	1,091	948	1,120	1,067	917	540	441	733	550
in retail sales <sup>16</sup>	1,000	305	713	1,142	1,314	1,110	897	523	783	783
<b>FOREIGN TRADE</b>										
in (new), exported <sup>17</sup>	1,000	285	640	817	548	379	554	816	704	873
in (new), imported <sup>18</sup>	1,000	2,013	2,075	3,116	2,856	2,926	3,134	3,559	4,398	4,881
in (new), imported <sup>19</sup>	1,000	693	734	585	584	703	836	1,073	1,145	1,162
in (new), imported <sup>20</sup>	1,000	875	370	339	234	259	249	335	473	452
in (new), imported <sup>21</sup>	1,000	381	688	1,992	1,912	1,801	1,571	1,848	2,527	2,819
in (new), imported <sup>22</sup>	1,000	91	219	186	186	124	132	159	183	205
in (new), imported <sup>23</sup>	1,000	186	295	747	733	697	795	1,025	1,253	1,351
in (new), imported <sup>24</sup>	1,000	27	142	483	456	356	430	587	800	976
in (new), imported <sup>25</sup>	1,000	3,719	7,483	16,875	17,895	20,180	20,284	28,264	36,474	45,302
in (new), imported <sup>26</sup>	1,000	381	620	1,985	4,217	4,453	4,848	6,541	7,734	8,504
in (new), imported <sup>27</sup>	1,000	3,871	10,858	16,015	18,121	18,039	17,078	20,776	22,820	21,955
in (new), imported <sup>28</sup>	1,000	822	2,852	3,932	3,928	2,987	4,208	4,878	6,027	6,258
in (new), imported <sup>29</sup>	1,000	836	2,305	2,977	3,247	2,642	2,130	2,479	2,789	2,863
in (new), imported <sup>30</sup>	1,000	2,413	5,501	10,946	10,530	10,740	13,421	14,004	12,744	12,744
<b>IN USE AND RETIRED</b>										
total	Million	80.4	95.2	104.6	105.8	106.9	108.0	112.0	114.7	117.3
in use	Million	24.4	25.8	26.6	24.2	21.5	20.7	22.0	24.8	27.9
in use	Million	24.8	27.0	25.5	28.8	29.9	28.8	26.8	23.8	22.7
in use	Million	18.4	22.0	25.2	23.0	22.2	23.5	26.8	27.8	28.5
in use	Million	7.7	13.9	14.6	16.0	17.8	18.8	17.4	17.2	18.7
in use	Million	4.9	6.6	12.5	13.9	15.4	17.0	19.0	21.0	21.5
in use	Million	5.8	8.0	8.6	6.9	7.2	7.4	7.5	7.6	7.8
in use	1,000	7,461	5,889	8,405	7,542	6,921	6,243	6,675	7,729	8,442
in use	Million	17.7	24.8	35.2	36.1	37.0	38.1	40.1	42.4	44.8
in use	Million	4.7	6.9	8.8	7.3	5.6	5.9	7.2	9.0	11.1
in use	Million	4.3	5.8	8.1	9.7	10.7	9.5	8.0	6.3	6.6
in use	Million	3.0	4.4	7.4	7.1	7.1	7.7	9.2	10.2	8.9
in use	Million	1.9	3.2	4.4	4.9	5.7	6.5	6.2	6.2	6.7
in use	Million	3.9	4.4	6.5	7.2	7.9	8.5	9.6	10.7	11.5
in use	Million	7.3	6.9	7.1	7.5	7.8	8.1	8.2	8.1	8.0
in use	1,000	837	908	1,732	1,519	1,459	1,491	1,602	2,100	2,311
<b>10 BATTERIES SHIPMENTS</b>										
in car, total <sup>31</sup>	Million	188.8	187.0	145.9	185.3	167.5	182.0	201.8	200.9	202.7
in car, total <sup>32</sup>	Million	2.9	61.5	83.5	106.6	115.9	133.4	158.6	184.7	174.0
in car, total <sup>33</sup>	Million	129.6	122.5	108.9	125.3	130.5	134.0	144.5	141.5	144.3
in car, total <sup>34</sup>	Million	25.7	27.3	31.1	35.8	33.8	38.9	40.8	41.1	40.6
in car, total <sup>35</sup>	Million	(NA)	8	3.8	9.2	10.4	13.4	18.0	19.7	21.1
in car, total <sup>36</sup>	Million	16.7	19.8	24.4	28.5	28.1	30.3	31.7	32.1	32.4
in car, total <sup>37</sup>	Million	45.9	52.9	61.6	65.5	64.6	69.0	74.7	74.0	75.2
in car, total <sup>38</sup>	Million	37.9	39.3	50.1	53.6	54.2	56.1	59.3	58.7	60.3

available. <sup>1</sup> Based on data from U.S. Dept. of Commerce. <sup>2</sup> Includes domestic models produced in Canada.

<sup>3</sup> Source: Board of Governors of the Federal Reserve System, unpublished data. Represents total auto sales less collecting data. Data shown here follow *Automotive News* classifications. Beginning 1980, cars produced in U.S. by effectors are included. <sup>4</sup> Excludes domestic models produced in Canada. <sup>5</sup> Excludes motorcoaches and

in foreign manufacturers. Beginning 1975, includes imports sold by franchised dealers of U.S. manufacturers. (single weight fully loaded vehicle). <sup>6</sup> Source: R. L. Polk & Company, Detroit, MI, *New Motorcycle Registrations* by States (Oklahoma, 1984, excludes New York. Reproduction prohibited without Polk permission. <sup>7</sup> Estimates by

Industry Council Inc., Costa Mesa, CA. Includes all-terrain vehicles and scooters. Excludes mopeds/motorized bicycles. Motorcycle Industry Council, Inc., Costa Mesa, CA. Data from U.S. Dept. of Commerce. Excludes mopeds/motorized

all-terrain vehicles. <sup>8</sup> Durable value for customs purposes prior to 1980 thereafter, C.I.F. value. <sup>9</sup> 1970-  
assembled vehicles only. Beginning 1980, includes chassis. <sup>10</sup> Includes other countries, not shown separately  
assembled and unassembled vehicles. <sup>11</sup> Includes rubber tree and tubes and used vehicles. <sup>12</sup> For years

1980. Represents vehicles failing to re-register. <sup>13</sup> Includes original equipment. Also includes exports, not shown  
Source: The Rubber Manufacturers Association, Inc., Washington, D.C., *RMA Monthly The Report*. <sup>14</sup> Source:

and International, Chicago, IL.  
except as noted, Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts*  
annual; and *World Motor Vehicle Data*, annual.

## NO. 991. MOTOR-VEHICLE REGISTRATIONS, 1970 TO 1986, AND DRIVERS LICENSES, 1986, BY STATE

[In thousands, except as indicated. Motor vehicle registrations cover publicly, privately, and commercially owned vehicles. For uniformity, figures have been adjusted to a calendar-year basis as registration years in States differ; figures represent net numbers where possible, excluding re-registrations and nonresident registrations]

STATE	AUTOMOBILES, TRUCKS, AND BUSES <sup>1</sup>							MOTORCYCLES <sup>1</sup>			DRIVERS LICENSES, 1986, est.	
	1970, total	1975, total	1980, total	1983, total	1984, total	1985, total	1986, est.		Total	Per 1,000 population <sup>2</sup>	Total <sup>3</sup>	Per cent male
							Total	Automobiles (incl. taxis) Total Per 1,000 population <sup>2</sup>				
U.S.	108,410	132,840	155,786	163,740	166,240	171,864	178,532	136,671 665	5,368	22	188,884	52.8
AL	1,908	2,483	2,938	3,145	3,202	3,336	3,481	2,417 596	58	14	2,484	52.0
AK	139	226	262	350	368	353	348	217 408	9	17	302	96.3
AZ	1,083	1,459	1,917	2,289	2,111	2,235	2,353	1,652 501	84	25	2,384	54.1
AR	1,043	1,263	1,574	1,442	1,317	1,384	1,435	939 396	30	13	1,767	51.5
CA	11,801	13,891	16,873	17,767	17,965	18,699	19,703	15,384 570	677	25	17,822	52.7
CO	1,442	1,925	2,342	2,649	2,754	2,759	2,769	2,027 620	107	33	2,307	53.5
CT	1,733	1,949	2,147	2,305	2,366	2,465	2,537	2,377 745	58	18	2,335	51.4
DE	312	351	397	427	459	465	465	363 605	11	17	454	51.1
DC	257	255	266	295	305	328	345	328 524	4	8	384	55.1
FL	4,120	5,365	7,614	8,608	9,394	9,865	10,349	8,142 697	226	18	8,088	51.6
GA	2,584	3,211	3,818	4,208	4,460	4,580	4,686	3,375 553	115	19	3,957	51.3
HI	405	462	570	610	638	651	672	589 565	18	17	604	54.8
ID	488	647	834	877	849	854	862	526 527	48	48	706	52.0
IL	5,236	6,344	7,477	7,513	7,596	7,727	7,785	6,137 531	221	19	7,028	50.2
IN	2,818	3,315	3,826	3,652	3,850	4,024	4,090	3,036 551	130	24	3,816	50.9
IA	1,760	2,090	2,329	2,479	2,443	2,695	2,764	1,888 687	274	95	1,678	48.1
KS	1,548	1,805	2,007	2,048	2,122	2,146	2,171	1,490 606	94	36	1,652	50.1
KY	1,763	2,245	2,580	2,821	2,590	2,615	2,641	1,777 477	38	10	2,273	52.3
LA	1,742	2,186	2,779	2,877	2,956	3,012	3,054	2,079 462	55	12	2,769	51.7
ME	510	648	724	766	800	840	861	641 546	44	38	817	50.8
MD	1,872	2,423	2,803	3,011	3,183	3,276	3,359	2,771 621	63	14	2,854	51.5
MA	2,575	3,107	3,749	3,840	3,788	3,736	3,737	3,264 560	124	21	3,824	51.6
MI	4,599	5,545	6,468	6,295	6,369	6,727	7,167	5,762 630	214	23	6,307	50.8
MN	2,207	2,525	3,091	3,239	2,968	3,365	3,548	2,744 661	175	42	2,502	52.0
MS	1,117	1,377	1,577	1,580	1,669	1,746	1,810	1,375 524	25	10	1,534	53.1
MO	2,408	2,966	3,271	3,433	3,521	3,556	3,593	2,648 523	79	15	3,424	51.3
MT	485	611	680	629	665	652	628	382 466	24	29	586	54.9
NE	674	1,156	1,254	1,235	1,257	1,257	1,262	842 527	40	25	1,069	51.1
NV	355	464	656	730	745	709	696	502 521	16	19	714	52.6
NH	360	465	704	603	670	974	1,019	854 632	66	64	754	51.7
NJ	3,586	4,155	4,781	4,941	4,896	4,908	4,926	4,428 581	126	17	5,204	52.7
NM	637	827	1,068	1,237	1,220	1,176	1,155	732 495	41	26	1,005	52.0
NY	6,716	7,591	8,002	8,417	8,644	9,042	9,373	6,185 461	253	14	8,267	54.2
NC	2,626	3,690	4,532	4,603	4,368	4,450	4,536	3,314 523	67	11	4,198	51.1
ND	426	551	627	666	661	655	649	376 554	29	43	446	51.9
OH	5,974	7,179	7,771	7,769	7,894	8,102	8,331	6,972 846	279	26	7,329	51.5
OK	1,713	2,113	2,583	2,769	2,781	2,884	2,915	1,915 579	105	32	2,279	50.7
OR	1,399	1,626	2,081	2,121	2,163	2,204	2,223	1,581 579	84	31	1,940	52.8
PA	5,616	7,659	6,926	6,844	7,081	7,209	7,340	5,860 503	215	16	7,631	53.1
RI	486	563	623	596	622	610	615	517 530	27	26	626	51.0
SC	1,360	1,772	1,996	2,058	2,126	2,222	2,276	1,715 506	39	12	2,166	51.0
SD	426	521	601	629	643	660	677	429 606	35	49	485	51.3
TN	2,050	2,727	3,271	3,537	3,589	3,754	3,914	3,070 639	105	22	3,071	51.1
TX	6,693	8,396	10,475	11,693	12,172	12,444	12,612	8,806 516	273	16	10,755	52.8
UT	664	846	962	1,074	1,090	1,099	1,105	733 440	52	31	969	50.7
VT	229	287	347	367	377	396	418	315 582	21	39	394	62.5
VA	2,263	3,251	3,626	3,894	4,047	4,253	4,463	3,638 663	84	15	3,661	50.9
WA	2,102	2,540	3,225	3,336	3,430	3,526	3,787	2,652 594	136	30	3,014	51.4
WV	601	968	1,320	1,175	1,107	1,143	1,239	660 448	32	17	1,306	53.6
WI	2,162	2,591	2,941	3,214	3,094	3,187	3,281	2,526 526	206	43	2,259	51.9
WY	247	337	467	502	494	500	507	266 564	19	37	312	53.5

<sup>1</sup> Excludes vehicles owned by military services. <sup>2</sup> Based on resident population as of July 1

<sup>3</sup> Estimated from data reported by States for current and previous years; allowance has been made for deaths, emigration, or revocation by some States.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; and *Selected Highway Statistics and Charts*, annual.

## 902. MOTOR VEHICLES—REGISTRATIONS, FACTORY SALES, AND RETAIL SALES: 1960 TO 1986

ign (—) indicates decrease. For definition of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series Q 148-156]

Y	REGISTRATIONS <sup>1</sup> (mil.)			Motor- cycle registrations <sup>1</sup> (1,000)	FACTORY SALES (1,000)			PASSENGER CARS RETAIL SALES (1,000)			AVERAGE ANNUAL PERCENT CHANGE <sup>4</sup>	
	Total cars, trucks, buses	Pas- senger cars <sup>2</sup>	Trucks and buses		Total cars, trucks, buses	Pas- senger cars	Trucks and buses <sup>3</sup>	Total	Do- mestic	Im- ports	Registrations <sup>4</sup>	Retail sales
1960	48.2	40.4	8.8	454	6,003	5,886	1,337	(NA)	(NA)	(NA)	7.4	(NA)
1961	52.7	52.1	10.6	412	9,189	7,920	1,249	7,486	7,406	58	5.0	(NA)
1962	73.9	61.7	12.2	574	7,899	6,675	1,184	6,641	6,142	499	3.3	-2.3
1963	80.4	75.3	15.1	1,382	11,057	9,306	1,752	9,332	8,763	569	4.1	7.0
1964	88.9	80.4	18.5	1,953	8,976	7,437	1,539	8,337	7,568	769	3.6	-5.5
1965	100.9	83.6	17.3	2,089	10,718	8,822	1,896	9,659	8,625	1,031	4.1	15.8
1966	106.1	88.9	16.2	2,316	10,147	8,224	1,923	9,583	8,484	1,118	4.2	-2
1967	108.4	89.2	19.2	2,624	8,239	6,547	1,692	8,405	7,118	1,286	3.2	-12.3
1968	113.0	82.7	20.3	3,344	10,638	8,586	2,053	10,250	8,861	1,389	4.2	22.0
1969	118.8	97.1	21.7	3,780	11,271	8,824	2,447	10,960	9,327	1,633	5.1	8.6
1970	125.7	102.0	23.7	4,371	12,637	9,656	2,980	11,439	9,676	1,763	5.8	4.5
1971	129.9	104.8	25.1	4,908	10,059	7,331	2,727	8,667	7,454	1,413	3.4	-22.5
1972	132.9	108.7	28.2	4,964	8,965	6,713	2,272	8,640	7,053	1,587	2.3	2.6
1973	138.5	110.2	28.4	4,933	11,480	8,500	2,979	10,110	8,611	1,499	4.2	17.0
1974	142.1	112.3	29.8	4,891	12,842	9,201	3,441	11,185	9,109	2,076	2.6	10.6
1975	148.4	116.8	31.6	4,899	12,871	9,186	3,706	11,312	9,312	2,000	4.4	1.1
1976	151.9	118.5	33.4	5,422	11,456	8,419	3,037	10,671	8,341	2,330	2.4	-5.7
1977	155.8	121.8	34.2	5,894	8,067	6,400	1,667	8,979	6,581	2,398	2.6	-15.9
1978	158.3	123.1	35.2	5,831	7,966	6,256	1,701	8,536	6,209	2,327	1.6	-4.9
1979	159.6	123.7	35.9	5,754	6,955	5,048	1,908	7,962	5,759	2,223	.9	-5.5
1980	163.9	126.2	37.7	5,595	9,163	6,738	2,414	9,162	6,795	2,367	2.7	15.0
1981	166.2	128.1	38.1	5,480	10,606	7,821	2,785	10,391	7,852	2,439	1.6	13.2
1982	171.7	131.9	39.8	5,444	11,369	8,002	3,367	11,042	8,204	2,838	3.3	6.3
1983	176.5	135.7	40.8	5,366	10,909	7,516	3,393	11,453	8,215	3,238	2.9	3.7

Not available. <sup>1</sup> Excludes Alaska and Hawaii prior to 1960. Includes publicly owned vehicles. Excludes military services.

<sup>2</sup> Includes tops. <sup>3</sup> Includes standard equipment. <sup>4</sup> From prior year shown. <sup>5</sup> Excludes motorcycles.

ign from 1945. <sup>6</sup> Estimate.

Registrations—U.S. Federal Highway Administration, *Highway Statistics*, annual; sales—Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *MYMA Motor Vehicle Facts and Figures*, annual.

## 903. MOTOR VEHICLE OUTPUT AND TRADE IN NATIONAL INCOME ACCOUNTS: 1970 TO 1986

Base of dollars, except percent. Vehicle output equals final dollar sales value of new vehicles, plus net dollar value of used vehicle sales, adjusted for changes in inventories and net balance of vehicle exports and imports]

Y	CURRENT DOLLARS							CONSTANT (1982) DOLLARS						
	GNP <sup>1</sup>	Vehicle output				Vehicle		GNP <sup>1</sup>	Vehicle output				Vehicle	
		Total	Per- cent of GNP	Auto	Truck	Ex- port value	Im- port value		Total	Per- cent of GNP	Auto	Truck	Ex- port value	Im- port value
1970	1,016	36.8	3.6	28.5	8.3	1.4	4.4	2,416	73.2	3.0	53.1	20.1	3.0	11.8
1971	1,103	49.3	4.5	38.6	10.4	1.8	5.9	2,495	93.6	3.6	68.8	23.8	3.5	14.8
1972	1,213	55.0	4.5	41.4	13.6	2.0	6.6	2,609	104.2	4.0	73.9	30.3	4.0	16.0
1973	1,359	63.1	4.6	48.0	17.1	2.7	7.8	2,744	119.4	4.4	82.0	37.4	5.3	17.2
1974	1,473	67.7	4.6	58.8	18.9	3.7	8.8	2,729	103.7	3.6	65.4	38.3	6.7	17.5
1975	1,598	56.7	3.5	40.3	16.4	5.1	8.4	2,695	90.9	3.4	61.8	29.1	6.5	14.9
1976	1,783	78.3	4.4	55.2	23.1	5.4	11.0	2,827	118.0	4.2	80.1	37.9	8.3	16.2
1977	1,991	95.1	4.8	64.3	30.8	6.6	13.3	2,959	135.7	4.8	88.7	47.0	8.1	20.3
1978	2,250	105.1	4.7	68.3	36.8	6.5	17.4	3,115	138.6	4.4	87.3	51.3	6.7	23.7
1979	2,508	104.0	4.1	68.9	37.1	8.0	18.8	3,192	129.1	4.0	80.2	47.9	10.0	22.8
1980	2,732	84.4	3.1	60.1	24.3	7.1	20.9	3,187	95.2	3.0	67.1	28.1	8.1	23.5
1981	3,053	96.6	3.2	69.4	27.2	7.2	22.8	3,249	102.1	3.1	73.3	29.8	7.6	23.4
1982	3,186	94.3	3.0	68.5	27.8	5.4	25.5	3,186	94.3	3.0	68.5	27.8	5.4	25.5
1983	3,406	123.6	3.6	68.5	35.0	6.2	28.5	3,279	119.8	3.7	85.9	33.9	6.0	28.6
1984	3,772	158.3	4.1	105.1	51.2	7.3	38.9	3,501	148.2	4.2	98.5	47.7	8.9	36.7
1985	4,010	171.5	4.3	115.3	56.2	8.8	46.5	3,808	156.4	4.3	105.8	50.6	7.9	41.4
1986	4,235	177.8	4.2	119.4	58.4	9.3	55.5	3,713	156.9	4.2	108.4	50.5	8.0	46.0

Definition of gross national product (GNP), see text, section 14.

U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Current Business*, July issues.

## No. 994. NEW TRUCKS—RETAIL SALES, BY WEIGHT CLASS AND TYPE: 1980 TO 1986

WEIGHT CLASS AND TYPE	NUMBER (1,000)						PERCENT CHANGE			
	1980	1981	1982	1983	1984	1985	1983-1982	1984-1983	1985-1984	1986-1985
<b>0 to 6,000 pounds, total</b>	<b>986</b>	<b>1,102</b>	<b>1,314</b>	<b>2,831</b>	<b>2,489</b>	<b>2,541</b>	<b>19.3</b>	<b>84.8</b>	<b>19.8</b>	<b>8.5</b>
Utility	51	51	254	370	429	362	400.3	45.7	15.9	-10.8
Pickup, cartype	50	25	28	25	24	24	3.4	-1.8	-5.0	-1.5
Pickup, compact	254	454	488	813	885	757	7.4	25.8	13.4	8.9
Domestic	28	359	433	580	625	679	20.6	29.4	11.8	8.5
Import	229	95	55	53	70	79	-42.1	-4.1	32.9	11.9
Van	79	75	87	121	115	112	-9.7	80.4	-5.3	-2.2
Mini van	(x)	(x)	(2)	24	103	110	(x)	1,317.2	335.1	6.9
Station wagon (truck chassis)	(x)	(x)	8	62	88	96	(x)	634.1	38.9	14.1
Mini passenger carrier	(x)	(x)	8	189	301	460	(x)	1,964.8	78.3	52.9
<b>6,001 to 10,000 pounds</b>	<b>976</b>	<b>991</b>	<b>1,307</b>	<b>1,234</b>	<b>1,388</b>	<b>1,214</b>	<b>28.5</b>	<b>1.5</b>	<b>4.8</b>	<b>-5.3</b>
Utility	108	78	84	103	108	101	10.5	22.2	4.4	-6.4
Van	172	207	311	265	261	261	50.0	-14.8	-1.5	.1
Pickup, conventional	548	465	574	573	828	582	18.4	-2	9.7	-7.3
Station wagon (truck chassis)	38	55	89	95	95	98	28.3	25.0	2.9	4.1
<b>10,001 pounds and over</b>	<b>2,332</b>	<b>2,348</b>	<b>2,709</b>	<b>3,536</b>	<b>3,984</b>	<b>4,031</b>	<b>38.5</b>	<b>38.8</b>	<b>12.8</b>	<b>1.2</b>

X Not applicable. Z Less than 500.

Source: Motor Vehicle Manufacturers Association, *Motor Vehicle Facts and Figures*, annual.

## No. 995. RECREATIONAL VEHICLES—NUMBER AND RETAIL VALUE OF SHIPMENTS: 1970 TO 1986

YEAR	NUMBER (1,000)					RETAIL VALUE (mil. dol.)				
	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers
1970	380.3	30.3	138.0	116.1	95.9	1,122	318	445	175	183
1971	528.8	129.0	212.3	97.7	89.8	2,322	1,133	843	160	187
1972	295.8	88.9	128.3	55.2	45.4	1,392	824	587	108	82
1973	339.6	98.8	150.8	48.1	44.3	2,320	1,251	688	101	112
1974	541.1	258.1	189.7	53.3	42.0	4,284	2,929	1,132	117	112
1975	533.9	280.2	167.9	53.6	31.9	5,327	3,876	1,229	129	89
1976	526.3	293.5	159.8	48.2	24.7	5,583	4,329	1,163	118	85
1977	307.7	172.6	90.2	31.1	13.8	3,538	2,882	725	83	48
1978	181.4	99.9	52.0	24.5	5.0	1,952	1,381	485	68	17
1979	239.1	135.2	63.8	35.0	5.1	2,775	2,019	631	105	20
1980	258.0	152.5	65.5	34.3	5.7	3,505	2,701	688	110	28
1981	358.0	223.7	90.0	37.5	6.8	6,324	5,099	1,067	122	36
1982	398.2	257.3	92.4	40.9	7.8	7,733	6,282	1,157	268	46
1983	359.2	233.5	82.9	35.9	6.9	7,029	5,724	1,122	137	46
1984	379.5	249.6	86.0	36.5	7.4	7,564	6,155	1,213	144	53

Source: Recreation Vehicle Industry Association, Reston, VA, *RVs . . . The Family Camping Vehicle, A Year-End Report/1986*. Data also in Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual.

## No. 996. MOTOR VEHICLE SAFETY DEFECT RECALLS, BY DOMESTIC AND FOREIGN MANUFACTURERS: 1975 TO 1986

(Covers manufacturers reporting to U.S. National Highway Traffic Administration under section 151 of National Traffic and Motor Vehicle Safety Act of 1966, as amended)

MANUFACTURER	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Motor vehicles:</b>												
Total recall campaigns <sup>1</sup>	Number	317	346	271	276	167	189	196	140	164	173	174
Domestic	Number	188	195	189	218	129	128	107	110	127	137	138
Foreign	Number	27	51	72	57	38	26	28	30	37	36	36
Total vehicles recalled	1,000	2,199	13,833	9,083	8,919	4,993	5,485	1,914	6,114	7,239	6,039	2,896
Domestic	1,000	1,829	10,883	7,921	8,087	3,939	7,379	1,401	3,080	4,383	4,865	1,731
Foreign	1,000	1,602	10,331	7,870	8,988	3,730	7,247	1,324	3,021	6,148	4,811	1,382
Motor vehicle tires:												
Recall campaigns <sup>1</sup>	Number	22	35	31	42	24	25	17	21	18	19	14
Tires recalled	1,000	72	471	14,886	235	7,070	125	131	95	81	28	184

<sup>1</sup> A recall campaign is the notification to the Secretary of the U.S. Dept. of Transportation and to owners, purchasers, and dealers, of a motor vehicle safety defect.Source: U.S. National Highway Traffic Safety Administration, *Motor Vehicles Defect Recall Campaigns*, annual.

## NO. 997. MOTOR VEHICLE ACCIDENTS—NUMBER AND DEATHS: 1970 TO 1985

(See also *Historical Statistics, Colonial Times to 1970*, series Q 208 and Q 224-232)

ITEM	Unit	1970	1972 <sup>1</sup>	1975	1980	1981	1982	1983	1984	1985	1986
Motor vehicle accidents <sup>2</sup>	Million	16.0	17.0	16.5	17.9	18.0	18.1	18.3	18.8	(NA)	(NA)
Cars	Million	23.5	24.5	22.5	22.6	22.8	23.2	23.5	25.2	25.6	(NA)
Trucks	Million	3.2	3.5	3.8	5.5	5.8	5.8	5.8	6.3	6.1	(NA)
Motorcycles	1,000	305	343	372	560	540	550	530	570	480	(NA)
Motor vehicle deaths within 1 yr <sup>3</sup>	1,000	54.6	56.3	45.9	53.2	51.4	45.8	44.4	46.2	45.6	47.6
Noncollision accidents	1,000	15.4	15.8	12.7	14.7	14.2	12.8	12.2	12.6	12.9	13.6
Collision accidents:											
With other motor vehicles	1,000	23.2	23.8	18.5	23.0	22.2	19.8	19.2	20.3	19.9	20.9
With pedestrians	1,000	8.9	10.3	8.4	9.7	9.4	8.4	8.2	8.6	8.4	8.2
With fixed objects	1,000	3.8	3.9	3.1	3.7	3.6	3.2	3.1	3.0	2.7	3.2
Deaths within 30 days <sup>4</sup>	1,000	52.6	54.6	44.5	51.1	49.3	43.9	42.6	44.3	43.8	45.1
Vehicle occupants	1,000	40.6	41.4	32.6	36.8	35.5	31.2	30.6	31.9	31.5	33.7
Pedestrians	1,000	8.0	9.2	7.5	8.1	7.8	7.3	6.8	7.0	6.8	6.8
Motorcyclists <sup>5</sup>	1,000	2.3	3.0	3.2	5.1	4.9	4.5	4.3	4.6	4.6	4.6
Bicyclists	1,000	.8	1.0	1.0	1.0	.9	.9	.8	.8	.9	.9
Traffic death rates: <sup>6</sup>											
Per 100,000 resident population	Rate	25.6	26.2	20.7	22.6	21.5	19.0	18.2	18.7	18.4	19.1
Per 100,000 registered vehicles	Rate	47.3	44.5	32.3	31.6	30.0	26.6	25.1	25.7	24.8	25.3
Per 100 million vehicle miles	Rate	4.7	4.3	3.4	3.3	3.2	2.8	2.6	2.6	2.5	2.5
Per 100,000 licensed drivers	Rate	47.2	46.1	34.3	35.2	34.1	29.2	27.8	28.5	27.9	29.0
Motor vehicle accidents <sup>7</sup>	Million	22.1	24.9	24.9	24.1	28.3	28.5	29.4	30.9	32.5	33.3
Injuries <sup>8</sup>	1,000	4,983	5,190	4,978	5,230	5,019	4,490	4,865	4,860	5,044	5,300
Economic loss <sup>9</sup>	Bil. dol.	23.5	28.7	38.1	57.1	58.7	60.2	62.7	69.0	76.0	80.0

NA. Not available. <sup>1</sup> Represents peak year for deaths from motor vehicle accidents. <sup>2</sup> Covers only accidents occurring on the road. <sup>3</sup> Deaths that occur within one year of accident. Includes collision categories not shown separately. <sup>4</sup> Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. <sup>5</sup> Includes motor scooters and motorized bicycles (mopeds). <sup>6</sup> Based on 30-day definition of traffic deaths. <sup>7</sup> Source: Insurance Information Institute, New York, NY, *Insurance Facts*. Estimates based on official reports from a representative cross-section of States. Includes all motor vehicle accidents on and off the road and all injuries regardless of length of disability. 1986 data for economic loss based on information from the National Center for Health Statistics, National Health Survey. <sup>8</sup> Wage loss; legal, medical, hospital, and funeral expenses; insurance administrative costs; and property damage. Source: Except as noted, National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

## NO. 998. DEATHS FROM MOTOR VEHICLE ACCIDENTS, BY STATE: 1970 TO 1985

[Data differ from table 997 because data are based on date of death, not date of accident. Data reflect State where death occurred. Includes deaths of nonresidents of U.S. Beginning 1980, deaths classified according to the ninth revision of the *International Classification of Diseases*, for earlier years classified according to the revision in use at the time; see text, section 2. Data based on Vital Registration System, see Appendix III. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	1970	1972 <sup>1</sup>	1975	1980	1984	1985	DIVISION AND STATE	1970	1972 <sup>1</sup>	1975	1980	1984	1985
<b>U.S.</b>	54,846	56,528	48,032	53,476	48,517	46,159	<b>S.E.</b>	9,796	10,800	8,368	9,787	9,233	9,369
<b>Region:</b>							DE	158	130	129	164	134	119
Northeast	8,650	8,992	7,431	8,255	6,812	6,797	MD	609	652	685	522	669	706
Midwest	14,829	14,670	11,293	12,244	9,779	9,760	DC	140	100	81	79	101	96
South	20,792	21,064	18,029	21,014	19,509	19,250	VA	1,251	1,258	—	1,111	1,048	1,021
West	10,574	10,902	9,279	11,963	10,418	10,352	WV	561	578	489	583	463	461
<b>N.E.</b>	2,086	2,180	1,963	2,246	1,886	1,873	NC	1,801	2,026	1,580	1,588	1,514	1,553
ME	296	252	235	264	243	224	SC	1,070	1,148	637	695	946	943
NH	182	172	155	192	199	198	GA	1,825	1,940	1,420	1,558	1,454	1,482
VT	116	126	124	131	113	117	FL	2,181	2,570	2,067	2,967	2,914	2,988
MA	918	1,042	695	933	767	761	<b>E.S.C.</b>	4,860	4,972	3,891	3,896	3,790	3,864
RI	143	144	140	142	107	124	KY	1,061	1,114	885	885	778	749
CT	448	444	404	584	458	449	TN	1,525	1,528	1,280	1,280	1,239	1,219
<b>M.A.</b>	6,756	6,812	5,478	6,088	4,927	4,924	AL	1,297	1,356	1,067	1,054	1,056	1,005
NY	3,117	3,140	2,277	2,717	2,157	2,121	MS	947	976	629	796	707	691
NJ	1,289	1,352	1,099	1,130	980	986	<b>W.S.C.</b>	6,148	6,382	5,780	7,252	6,486	6,187
PA	2,349	2,320	2,102	2,162	1,810	1,817	AR	595	750	577	607	560	580
<b>L.N.C.</b>	5,823	5,514	7,381	8,000	6,564	6,602	LA	1,184	1,138	993	1,261	1,005	1,011
OH	2,488	2,336	1,652	1,976	1,579	1,581	OK	787	792	748	1,006	867	781
IN	1,587	1,578	1,139	1,213	973	1,045	TX	3,570	3,714	3,472	4,378	4,063	3,825
IL	2,267	2,216	1,816	1,985	1,583	1,584	<b>Mt.</b>	3,548	3,784	3,306	4,071	3,486	3,409
MI	2,172	2,238	1,811	1,817	1,563	1,605	MT	340	408	294	339	254	233
WI	1,109	1,148	843	1,009	868	777	ID	320	324	291	—	242	268
<b>V.N.C.</b>	5,008	5,188	3,932	4,244	3,215	3,188	WY	210	186	210	246	161	145
MN	1,028	1,052	798	900	639	657	CO	697	748	621	783	—	828
IA	946	904	714	662	440	478	NM	568	588	556	617	545	561
MO	1,479	1,500	1,105	1,239	1,029	1,005	AZ	782	856	713	983	922	942
ND	194	206	183	164	127	117	UT	354	354	285	370	339	336
SD	240	312	216	238	155	142	NV	278	290	236	388	292	297
NE	435	504	385	408	282	259	<b>Pac.</b>	7,028	7,138	6,078	7,882	7,013	6,943
KS	684	678	531	615	543	500	WA	902	838	804	1,048	810	786
							OR	739	774	582	698	619	605
							CA	5,114	5,300	4,414	5,860	5,322	5,294
							AK	107	64	120	91	119	124
							HI	163	164	153	195	143	134

<sup>1</sup> Represents peak year for deaths from motor vehicle accidents.Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.



# NO. 999. FATAL MOTOR-VEHICLE ACCIDENTS—NUMBER OF ACCIDENTS AND FATALITIES, BY TYPE OF VEHICLE, 1980 TO 1985

(Based on data from the Fatal Accident Reporting System)

TYPE OF VEHICLE	ACCIDENTS <sup>1</sup>						OCCUPANT FATALITIES					
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985
Total <sup>2</sup>	45,284	44,000	39,092	37,976	36,631	36,196	41,927	40,424	36,648	34,943	36,284	35,943
Passenger cars <sup>3</sup>	31,550	30,628	27,548	26,886	27,745	27,142	27,449	26,845	23,330	22,979	23,821	23,214
Mini-compact	3,283	3,635	3,559	3,753	4,001	3,873	2,986	3,279	3,194	3,276	3,470	3,429
Subcompact	4,875	5,296	4,849	4,894	5,275	5,445	4,158	4,432	3,861	4,000	4,348	4,422
Compact	1,118	1,383	1,585	1,836	2,670	3,445	927	1,052	1,210	1,499	2,081	2,835
Intermediate	5,224	5,698	5,305	5,352	5,978	6,084	3,878	4,107	3,919	3,985	4,287	4,291
Full size	7,026	6,853	5,891	5,361	5,199	4,906	4,631	4,245	3,651	3,468	3,289	2,874
Largest size	10,817	9,934	8,343	7,524	7,334	6,452	6,746	5,955	4,779	4,470	4,160	3,612
Unknown	5,134	4,568	3,863	3,264	2,905	2,699	3,943	3,575	2,698	2,256	2,006	1,751
Motorcycles	4,879	4,671	4,201	4,045	4,378	4,342	4,981	4,746	4,270	4,104	4,431	4,417
Moped, mini bike	180	157	177	158	172	151	183	160	183	181	177	147
Light trucks <sup>4</sup>	10,841	10,301	9,897	9,347	10,255	10,470	8,586	8,137	5,580	5,395	5,773	5,834
Pickup	8,796	8,358	7,842	7,606	8,285	8,375	5,483	5,067	4,677	4,579	4,873	4,888
Van	2,009	1,981	1,722	1,615	1,737	1,807	1,000	958	614	712	784	791
Medium trucks	1,076	871	886	872	980	854	285	235	154	172	163	157
Heavy trucks <sup>5</sup>	4,038	4,121	3,754	3,988	4,185	4,217	976	897	789	807	820	814
Single-unit <sup>6</sup>	377	339	283	323	271	370	89	57	52	60	83	49
Two-unit <sup>6</sup>	3,366	3,555	3,072	3,144	3,359	3,411	812	782	663	648	758	682
Multi-unit	146	180	129	186	168	182	41	34	25	38	37	31
Buses	329	340	288	305	302	304	46	58	35	53	45	55

<sup>1</sup> Each accident involving multiple types of vehicles is recorded in each category; therefore, the aggregate of all types will exceed the total number of accidents. <sup>2</sup> Includes other types and unknown, not shown separately. <sup>3</sup> Mini-compact wheel base less than 85 in., subcompact, 85 in. to 99 in., compact, 100 in. to 104 in.; intermediate, 105 in. to 109 in., full size, 110-114 in., and largest size greater than 115 in. <sup>4</sup> Gross vehicle weight greater than 26,000 lbs. <sup>5</sup> Tractor-trailer combination.

Source: U.S. National Highway Traffic Safety Administration, *Fatal Accident Reporting System*, annual.

# NO. 1000. HIGHWAY MILEAGE, VEHICLE MILES OF TRAVEL, ACCIDENTS, AND FATALITIES, 1975 TO 1985, AND BY TYPE OF HIGHWAY SYSTEM, 1985

YEAR AND TYPE OF SYSTEM	Highway mileage (1,000)	Vehicle miles of travel (bil.)	Daily vehicle miles per mile	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS		FATALITIES <sup>1</sup>	
				Number	Rate <sup>2</sup>	Number (1,000)	Rate <sup>2</sup>	Number	Rate <sup>2</sup>
1975, total	3,838	1,326	948	39,993	3.01	1,861	140	45,900	3.43
1980, total	3,857	1,527	1,082	45,284	2.98	2,008	131	51,091	3.35
1982, total	3,880	1,585	1,130	39,092	2.45	1,988	123	43,945	2.78
1983, total	3,890	1,653	1,167	37,976	2.30	2,005	121	42,588	2.58
1984, total	3,892	1,720	1,208	36,631	2.30	2,137	124	44,257	2.57
1985, total	3,962	1,774	1,269	36,196	2.21	2,218	126	43,796	2.47
Urban	891	1,044	4,141	17,845	1.71	1,545	148	19,257	1.84
Rural	3,171	730	631	21,323	2.92	674	92	24,538	3.35
Interstate	44	371	23,291	3,890	1.00	142	38	4,184	1.13
Urban	11	216	54,744	1,857	.86	104	88	2,031	.94
Rural	33	154	12,891	1,833	1.19	38	25	2,153	1.40
Noninterstate	3,818	1,404	1,008	35,476	2.53	2,076	148	39,611	2.82
Urban	880	828	3,335	15,986	1.93	1,441	174	17,226	2.08
Rural	3,138	576	503	19,490	3.38	635	110	22,385	3.88
Federal-aid highway system, total	843	1,426	4,839	20,952	2.10	1,481	104	33,780	2.36
Urban	188	839	12,258	14,134	1.88	1,081	129	15,275	1.82
Rural	656	588	2,458	15,816	2.69	399	66	18,485	3.14
Interstate	44	371	23,291	3,890	1.00	142	38	4,184	1.13
Other primary arterial	257	519	5,520	12,296	2.37	510	98	14,203	2.74
Urban	33	240	20,108	3,875	1.85	312	130	4,347	1.81
Rural	225	278	3,384	8,321	2.99	197	71	9,856	3.54
Urban (arterial and collector)	144	383	7,279	5,302	2.17	685	174	8,887	2.32
Secondary (collector)	306	155	1,073	5,954	3.83	183	105	6,476	4.15
Non-Federal-aid highway system, total	3,019	347	915	9,218	2.86	736	213	10,035	2.88
Urban	505	205	1,118	3,711	1.81	483	888	3,982	1.94
Rural	2,516	142	155	5,505	3.88	275	194	6,053	4.27
Collector	361	71	563	1,886	2.73	88	136	2,118	2.99
Urban	20	20	2,811	354	1.74	18	83	381	1.88
Rural	331	51	418	1,582	3.13	77	163	1,737	3.43
Local	2,657	247	255	6,086	2.71	622	252	7,287	2.95
Urban	476	180	924	2,880	1.78	427	288	3,072	1.98
Rural	2,182	67	109	3,836	4.42	195	225	4,215	4.85

<sup>1</sup> Rate per 100 million vehicle miles of travel. <sup>2</sup> Represents fatalities occurring within 30 days of accident. Excludes nonfatal accidents which, for example, occur outside the rights-of-way or other boundaries of roads that are open for public use.

Source: U.S. Federal Highway Administration, *Fatal and Injury Accident Rates on Public Roads in the United States*, annual.

**NO. 1001. LICENSED DRIVERS, FATAL MOTOR-VEHICLE ACCIDENTS, AND ALCOHOL INVOLVEMENT, BY AGE OF DRIVER: 1966**

ITEM	Unit	Total	AGE OF DRIVER							
			16-17 years	18-21 years	22-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over
licensed drivers (estimated) <sup>1</sup>	1,000	156,584	4,059	13,020	11,881	35,840	30,840	20,794	18,320	18,844
percent distribution	Percent	100.0	2.6	8.2	7.5	22.9	19.3	13.1	12.2	11.9
licensed drivers involved in fatal accidents	Number	60,297	3,276	9,248	6,757	18,183	9,235	5,070	4,017	4,881
percent distribution	Percent	100.0	5.4	15.3	11.2	29.9	15.3	8.4	6.7	8.1
fatal drivers fatal accidents	Number	20,659	651	3,954	3,185	8,692	2,827	1,201	744	810
percent distribution	Percent	100.0	4.1	19.1	15.5	32.4	13.7	5.8	3.6	2.5

Source: U.S. Federal Highway Administration, *Selected Highway Statistics and Charts*, annual. <sup>1</sup> Includes ages unknown (less than 16 years old).

Source: Except as noted, U.S. National Highway Traffic Safety Administration, unpublished data from the *Fatal Accident Reporting System*.

**NO. 1002. MOTOR VEHICLE TRAVEL, BY TYPE OF VEHICLE, AND SPEED: 1970 TO 1985**

Travel in billions of vehicle-miles, except as indicated. Travel estimates based on automatic traffic recorder data. Speed trend data for 1970-1975 were collected by several State highway agencies, normally during summer months; beginning Oct. 1975 all States have monitored speeds at locations on several highway systems as part of 55 mile per hour Speed Limit Monitoring program. See also *Historical Statistics, Colonial Times to 1970*, series Q 198-207.

YEAR	VEHICLE-MILES OF TRAVEL (bil.)				AVG. MILES PER VEHICLE (1,000)			MOTOR VEHICLE SPEED <sup>2</sup>				
	Total	Cars <sup>1</sup>	Buses	Trucks	Passenger vehicles		Trucks	Vehicles recorded (1,000) <sup>3</sup>	Avg. speed (miles per hour)	Percent of vehicles exceeding—		
					Cars <sup>1</sup>	Buses				55 m.p.h.	60 m.p.h.	65 m.p.h.
70	1,110	920	4.5	188	10.0	12.0	9.9	200	63.8	67	69	44
71	1,313	1,051	5.8	256	9.8	13.8	11.0	181	65.0	69	72	50
72	1,281	1,013	5.7	262	9.2	12.7	10.8	203	57.8	65	29	9
73	1,328	1,040	6.1	282	9.3	13.1	10.9	102	57.6	66	27	7
74	1,402	1,084	6.3	312	9.4	13.1	11.2	515	58.2	69	32	10
75	1,487	1,116	5.8	346	9.5	11.9	11.8	900	58.8	74	35	10
76	1,545	1,154	5.9	385	9.5	11.6	12.3	489	58.8	74	36	10
77	1,529	1,122	5.9	401	9.1	11.3	12.2	506	58.3	72	32	9
78	1,527	1,122	6.1	399	8.8	11.5	11.9	687	57.5	68	25	7
79	1,553	1,142	6.2	405	8.9	11.5	11.7	3,048	57.9	68	30	9
80	1,595	1,176	5.8	413	9.1	10.4	11.7	4,895	59.0	73	40	14
81	1,653	1,207	5.2	441	9.1	8.9	12.0	7,656	59.1	74	41	15
82	1,720	1,234	4.6	482	9.2	8.0	12.8	8,087	59.3	75	43	16
83	1,774	1,270	4.8	500	9.2	8.2	12.7	8,449	59.5	75	44	17

<sup>1</sup> Includes motorcycles. <sup>2</sup> Represents speed on rural interstate highways. For 1970-1979, based on free flow speed of travel recorded on level, straight sections of rural interstate highways during off-peak hours; beginning 1980, based on all data on rural interstate highways. Beginning 1978, for year ending Sept. 30. <sup>3</sup> Citations issued for 55 mph violations.

**NO. 1003. DOMESTIC MOTOR FUEL CONSUMPTION, BY TYPE OF VEHICLE: 1970 TO 1985**

Expresses all fuels (gas, diesel, or other fuels) used for propulsion of vehicles under State motor fuels laws. Excludes Federal purchases for military use. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Q 86-102.

YEAR	FUEL CONSUMPTION					AVERAGE FUEL CONSUMPTION PER VEHICLE (gal.)				AVERAGE MILEAGE PER GALLON			
	All vehicles (bil. gal.)	Avg. annual percent change <sup>1</sup>	Cars <sup>2</sup> (bil. gal.)	Buses <sup>2</sup> (bil. gal.)	Trucks <sup>2</sup> (bil. gal.)	All vehicles	Cars <sup>2</sup>	Buses <sup>2</sup>	Trucks <sup>2</sup>	All vehicles	Cars <sup>2</sup>	Buses <sup>2</sup>	Trucks <sup>2</sup>
70	92.3	5.4	67.8	.8	23.6	830	780	2,172	1,257	12.02	13.52	5.54	7.85
71	110.5	8.2	78.7	1.0	30.7	850	771	2,326	1,321	11.69	13.30	5.86	8.34
72	106.3	-3.8	75.1	1.0	30.1	788	716	2,159	1,224	12.05	13.42	5.89	8.70
73	109.0	2.5	76.4	1.1	31.4	790	716	2,279	1,217	12.18	13.52	5.75	8.99
74	115.7	6.2	79.7	1.0	34.8	806	723	2,188	1,250	12.12	13.53	5.96	8.95
75	119.6	3.4	80.4	1.0	38.1	814	718	1,964	1,301	12.26	13.80	5.96	9.06
76	125.1	4.5	81.7	1.0	42.3	816	701	1,967	1,349	12.35	14.04	5.95	9.11
77	122.1	-2.4	77.3	1.0	43.8	778	653	1,891	1,326	12.52	14.41	5.97	9.19
78	115.0	-5.9	71.9	1.0	41.9	712	591	1,826	1,243	13.29	15.48	5.95	9.54
79	114.5	-4	71.0	1.1	42.2	697	576	1,838	1,219	13.57	15.94	5.92	9.59
80	113.4	-9	70.1	1.0	42.1	686	566	1,756	1,191	14.07	16.65	5.93	9.80
81	116.1	2.4	69.9	.9	45.1	686	553	1,507	1,229	14.24	17.14	5.92	9.77
82	118.7	2.3	68.7	.8	49.0	691	536	1,359	1,308	14.49	17.83	5.85	9.83
83	121.3	2.2	69.3	.8	51.0	685	525	1,407	1,302	14.62	18.20	5.84	9.78

From prior year shown. For 1970, change from 1965. <sup>1</sup> Includes taxicabs. <sup>2</sup> Includes school buses. Includes combinations.

Source of tables 1002 and 1003: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*.

## No. 1004. MOTORCYCLES—TRAVEL, REGISTRATION, AND FUEL CONSUMPTION: 1970 TO 1985

YEAR	Travel (mil. veh. miles)	Number of registered vehicles (1,000)	Average travel per vehicle (miles)	FUEL CONSUMPTION		Average miles per gallon con- sumed
				Total (mil. gal.)	Average per vehicle (gal.)	
1970	2,979	2,824	1,056	59.6	21	50
1975	5,629	4,984	1,134	112.6	23	50
1976	6,003	4,933	1,217	120.1	24	50
1977	6,349	4,933	1,267	127.0	26	50
1978	7,158	4,868	1,470	143.2	29	50
1979	8,637	6,422	1,503	172.7	32	50
1980	10,214	5,894	1,794	204.3	36	50
1981	10,660	5,531	1,933	213.6	37	50
1982	9,910	5,754	1,722	196.2	34	50
1983	8,780	5,585	1,568	175.2	31	50
1984	8,784	5,480	1,603	175.7	32	50
1985	9,086	5,444	1,669	181.7	33	50

Source: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*.

## No. 1005. VOLUME AND CHARACTERISTICS OF TRAVEL: 1983

(Covers only travel day trips regardless of trip length. VMT—Vehicle-miles of travel; PMT—Person-miles of travel)

CHARACTERISTIC	HOUSEHOLD			PERSON		PERCENT DISTRIBUTION			
	Number of trips (mil.)	VMT (bil.)	Average trip length (miles)	Number of trips (mil.)	PMT (bil.)	Household		Persons	
						Number of trips	VMT	Number of trips	PMT
Total	126,874	1,002,136	7.9	224,366	1,846,982	100.0	100.0	100.0	100.0
Purpose:									
Trip to work	35,375	302,185	8.5	45,826	391,544	27.9	30.3	20.4	20.2
Work-related business	3,696	42,223	11.4	5,283	115,805	2.9	4.2	2.4	5.9
Shopping	25,383	133,823	5.2	40,656	219,112	20.0	13.3	18.1	11.2
Other family or personal business	23,245	155,131	6.7	36,158	256,829	18.3	15.5	16.1	13.2
School/church	7,444	40,690	5.5	26,486	129,953	5.9	4.1	11.8	6.7
Visit friends or relatives	12,543	135,801	10.8	24,743	283,520	9.9	13.6	11.0	14.6
Other social or recreational	15,416	133,417	8.7	35,457	302,146	12.2	13.3	15.6	15.5
Vacation	187	21,317	114.0	630	155,561	.1	2.1	.3	8.0
Other	3,605	37,252	7.2	9,147	82,303	2.6	3.6	4.1	4.7
Means of transportation:									
Automobiles	95,467	742,301	9.6	139,387	1,181,626	75.3	74.2	62.1	63.8
Station wagons	10,920	81,471	7.5	18,194	139,253	8.6	8.1	7.2	7.2
Passenger van	2,803	21,401	7.6	4,746	51,269	2.2	2.1	2.1	2.6
Pickup truck <sup>1</sup>	13,851	122,504	8.8	18,372	170,826	10.9	12.2	8.2	8.1
Other	<sup>2</sup> 3,603	<sup>2</sup> 34,462	9.0	<sup>2</sup> 45,686	<sup>2</sup> 397,588	<sup>2</sup> 3.0	<sup>2</sup> 3.4	<sup>2</sup> 20.4	<sup>2</sup> 20.4

<sup>1</sup> Excludes pickup with camper and other trucks. <sup>2</sup> Includes other vans, pickups with campers, other trucks, motorized campers, motorcycles, motorized bicycles and other privately owned vehicles not listed elsewhere. <sup>3</sup> Includes other vans, motorized campers, motorcycles, trains, streetcars, elevated rail, airplane, commercial taxis, buses, school buses, bicycles, walking and other forms of transportation not included elsewhere.

Source: U.S. Federal Highway Administration, 1983 *Nationwide Personal Transportation Survey*.

## No. 1005. HOUSEHOLD MOTOR VEHICLES, MILES DRIVEN, AND MOTOR FUEL EXPENDITURES, BY HOUSEHOLD CHARACTERISTIC: 1985

[Household vehicles include all motorized vehicles used for personal transportation, excluding motorcycles, mopeds, large trucks, and buses. The reporting unit for 1985 is all households which owned a vehicle at any time during 1985. Based on the Residential Transportation Energy Consumption Survey, subject to sampling variability. For composition of regions, see fig. 1, inside front cover.]

HOUSEHOLD CHARACTERISTIC	House- holds with motor vehicles (mil.)	VEHICLES		MILES DRIVEN		MOTOR FUEL EXPENDITURES	
		Total (mil.)	Aver- age per house- hold	Total (bil.)	Aver- age per house- hold	Total (bil. doll.)	Aver- age per house- hold
Total	77.7	137.3	1.8	1,363	17,622	88.1	\$1,294
Northeast	15.0	24.8	1.7	246	18,476	17.6	1,189
Midwest	19.5	34.1	1.7	327	18,734	24.7	1,286
South	27.0	48.5	1.8	466	17,981	35.7	1,321
West	16.1	29.8	1.8	292	16,086	21.0	1,264
Family income in 1985:							
Less than \$5,000	3.7	4.4	1.2	34	9,178	2.8	749
\$5,000-\$9,999	9.7	12.5	1.3	96	10,094	7.8	811
\$10,000-\$14,999	10.7	15.8	1.5	149	13,848	11.5	1,009
\$15,000-\$19,999	8.7	15.8	1.8	141	14,389	10.5	1,008
\$20,000-\$24,999	8.5	16.9	1.9	165	17,411	12.2	1,386
\$25,000-\$34,999	14.7	29.2	1.9	289	19,741	21.0	1,484
\$35,000 or more	19.8	43.7	2.2	477	24,688	33.3	1,679

Source: U.S. Energy Information Administration, *Residential Transportation Energy Consumption Survey, Consumption Patterns of Automobile Households, 1985*.

## I. 1007. HOUSEHOLD MOTOR VEHICLE TRANSPORTATION, BY VEHICLE MODEL YEAR: 1985

y. Household vehicles include all motorized vehicles used for personal transportation, excluding motorcycles, mopeds, cabs, and buses. The reporting unit for 1985 is all households which owned a vehicle at any time during 1985. Based on identical Transportation Energy Consumption Survey; subject to sampling variability)

HOUSEHOLD CHARACTERISTICS	VEHICLES (millions)					MILES PER GALLON				
	Total	Model year				Average	Model year			
		1973 and earlier	1974 to 1979	1980 to 1982	1983 and later		1973 and earlier	1974 to 1979	1980 to 1982	1983 and later
Total	197.3	28.9	43.3	37.8	28.7	16.1	13.4	13.8	17.9	18.3
Age in 1985:										
Under 10 years	24.8	3.0	8.1	7.8	6.1	17.0	13.6	14.0	16.8	20.2
10-19 years	34.1	6.4	11.4	9.0	7.0	15.8	12.6	13.2	17.6	19.1
20-29 years	46.5	9.2	15.0	13.8	10.5	15.8	12.9	13.5	17.4	18.9
30 years or more	29.8	8.3	9.8	7.3	5.1	16.5	14.4	15.0	18.3	19.2
Income in 1985:										
Under \$5,000	4.4	1.4	1.7	.7	.6	14.2	12.5	13.7	17.5	15.6
\$5,000-\$9,999	12.5	4.3	4.4	2.4	1.4	14.8	13.3	12.7	16.8	19.9
\$10,000-\$14,999	15.8	4.4	5.8	3.8	1.8	15.2	13.4	13.8	17.5	18.9
\$15,000-\$19,999	15.8	3.5	5.7	3.9	2.6	15.7	12.9	13.4	18.1	20.4
\$20,000-\$24,999	16.9	3.1	5.5	4.7	3.4	16.0	13.3	14.0	17.9	18.9
\$25,000-\$34,999	26.2	4.5	9.2	8.5	5.9	16.2	13.2	14.0	18.2	19.0
\$35,000 or more	43.7	5.7	11.0	13.7	13.1	17.1	13.9	14.3	17.9	19.4

U.S. Energy Information Administration, Residential Transportation Energy Consumption Survey, Consumption Patterns of Vehicles, 1985.

## No. 1008. DOMESTIC MOTOR GASOLINE SUPPLY: 1974 TO 1987

[In 1,000 barrels per day, except as noted]

YEAR	SUPPLY <sup>1</sup>			Production	Net imports	Stocks <sup>2</sup> (mil. bbls.)	YEAR AND MONTH	SUPPLY <sup>1</sup>			Production	Net imports	Stocks <sup>2</sup> (mil. bbls.)
	Total	Unleaded						Total	Unleaded				
		Total	Per cent						Total	Per cent			
1974	8,537	(NA)	(NA)	8,380	202	218	1986:						
1975	8,875	(NA)	(NA)	8,520	182	235	March	8,955	4,678	67.3	8,081	224	219
1976	8,978	1,508	21.6	8,841	128	231	June	7,209	4,914	68.2	7,101	392	230
1977	7,177	1,976	27.5	7,033	215	268	Sept.	8,864	4,813	70.1	8,864	303	234
1978	7,412	2,521	34.0	7,169	189	238	Dec.	7,143	5,183	72.7	8,970	320	233
1979	7,034	2,798	39.8	6,852	181	237							
1980	8,579	3,067	48.6	8,508	139	261	1987:						
1981	8,588	3,264	49.5	8,405	155	253	March	8,921	5,150	74.4	8,555	342	249
1982	8,539	3,409	52.1	8,338	177	235	June	7,320	(NA)	(NA)	7,036	381	235
1983	8,622	3,847	55.1	8,340	237	222							
1984	8,883	3,987	56.6	8,453	263	243							
1985	8,831	4,408	54.5	8,419	381	223							
1986	7,034	4,854	69.0	6,752	326	233							

<sup>1</sup> Available. <sup>2</sup> Production plus net imports less net increase in primary stocks. <sup>3</sup> End of year or month, includes pipeline blending components. <sup>4</sup> Preliminary.

U.S. Energy Information Administration, Monthly Energy Review, April 1987, and earlier issues.

## No. 1009. GASOLINE RETAIL PRICES—SELECTED COUNTRIES: 1973 TO 1986

cents per U.S. gallon. As of July, except as indicated. Price includes tax except as noted. For most countries, based on exchange rates in effect as of July 31 of year shown]

YEAR AND TYPE	1973	1975	1980	1985 <sup>1</sup>	1986 <sup>1</sup>	COUNTRY AND TYPE	1973	1975	1980	1985 <sup>1</sup>	1986 <sup>1</sup>
Reg. <sup>2</sup>						West Germany, Bonn:					
unleaded	(NA)	(NA)	1.25	1.20	1.19	Regular	1.18	1.25	2.46	1.50	(NA)
leaded	.40	.57	1.19	1.12	1.11	Tax <sup>3</sup>	.72	.88	1.23	.61	(NA)
1, unleaded <sup>4</sup>	.45	.61	1.28	1.34	1.34	Premium	1.31	1.34	2.57	1.86	2.04
1, unleaded	.11	.12	.14	.21	.22	Canada, Ottawa:					
Reg.						Regular	.49	.58	.81	1.55	1.38
1, unleaded	1.06	1.58	2.97	(NA)	(NA)	Tax	.19	.23	.25	.39	.36
1, unleaded	.82	.94	1.70	(NA)	(NA)	Premium	.53	.67	.86	(NA)	(NA)
1, unleaded	1.15	1.69	3.17	2.16	2.58	Mexico, Mexico City:					
Reg.						Regular	.24	.64	* .45	1.07	(NA)
1, unleaded	.90	1.88	3.08	2.43	(NA)	Tax	(NA)	.31	* .15	.83	(NA)
1, unleaded	.79	1.15	1.89	1.85	(NA)	Premium	.36	.91	* 1.13	1.36	1.02
1, unleaded	1.06	1.71	3.15	2.82	3.09	Japan, Tokyo:					
Reg.						Regular	.83	1.38	2.72	2.26	2.84
1, unleaded	.48	.41	1.24	(NA)	(NA)	Tax <sup>3</sup>	.42	.45	.93	.91	(NA)
1, unleaded	.81	1.31	2.68	1.81	2.24	Premium	.98	1.63	2.69	2.37	(NA)

<sup>1</sup> Available. <sup>2</sup> As of January. <sup>3</sup> 1973 prices for regular and premium in Washington, DC; all other data are national averages. Source: 1973—Energy Information Administration, International Energy Annual; thereafter, Monthly Energy Review. <sup>4</sup> 1980, prices are for unleaded premium. <sup>5</sup> Source: PennWell Publishing Co., Tulsa, OK, Oil and Gas Journal, weekly. <sup>6</sup> Includes import duty and value-added tax, if any. <sup>7</sup> January 1981.

Except as noted, U.S. Energy Information Administration, 1973-1975 International Petroleum Annual; thereafter, International Energy Annual.

## No. 1010. COST OF OWNING AND OPERATING AN AUTOMOBILE: 1973 TO 1985

ITEM	Unit	1973	1974	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Cost per mile	Cents	16.47	16.62	18.31	20.19	19.57	23.97	27.95	31.92	32.35	33.42	31.32	27.20
Cost per 10,000 miles	Dollars	1,647	1,662	1,831	2,019	1,957	2,397	2,795	3,192	3,235	3,342	3,132	2,720
Variable cost	Cents/mile	4.75	5.70	6.48	5.80	5.65	5.86	7.62	8.17	8.37	8.36	7.86	8.04
Gas and oil	Cents/mile	3.35	4.18	4.82	4.11	3.89	4.11	5.86	6.27	6.74	6.64	6.19	6.18
Maintenance	Cents/mile	.78	.67	.97	1.03	1.10	1.10	1.12	1.18	1.00	1.04	1.04	1.23
Tires	Cents/mile	.62	.85	.66	.68	.66	.65	.84	.72	.63	.68	.63	.65
Fixed cost	Dollars	1,172	1,092	1,186	1,439	1,392	1,811	2,033	2,375	2,398	2,506	2,346	2,441
Insurance													
Fire and theft <sup>1</sup>	Dollars	45	38	53	60	57	74	70	76	53	60	60	92
Collision <sup>2</sup>	Dollars	143	118	141	188	136	188	172	180	153	201	200	196
Property damage <sup>3</sup> and liability	Dollars	179	176	189	250	229	241	248	254	243	222	225	213
License and registration	Dollars	28	28	30	74	74	90	82	68	54	102	108	115
Depreciation	Dollars	777	732	773	847	894	942	1,038	1,287	1,356	1,343	1,207	1,293
Finance charge	Dollars	(NA)	(NA)	(NA)	(NA)	(NA)	298	423	480	539	558	528	570
Average fixed cost per day	Dollars	3.21	2.99	3.25	3.94	3.81	4.96	5.57	6.51	6.57	6.87	6.43	6.88

NA Not available. <sup>1</sup> Not comparable to previous data. <sup>2</sup> \$50 deductible 1973 through 1977, and \$100 deductible 1978 through 1985. <sup>3</sup> \$100 deductible 1973 through 1977, and \$250 deductible 1978 through 1985. <sup>4</sup> Coverage: \$100,000/\$300,000.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI. *Motor Vehicle Facts and Figures*, annual.

## No. 1011. PASSENGER TRANSIT INDUSTRY—SUMMARY: 1970 TO 1985

[Includes Puerto Rico. Comprises all privately and publicly owned organized local passenger transportation agencies except taxicabs, suburban railroads, and sightseeing and school buses. Covers (a) local motorbus systems, (b) light rail systems, (c) heavy rail systems, and (d) trolley coach systems. Beginning 1984, data also include suburban railroads, urban ferry boats, automated guideways, inclined planes, cable cars, aerial tramways, and rural fixed-route non-intercity motorbus systems. Also include all transit modes, and are non-continuous between 1983 and 1984. Based on financial and statistical reports received by American Public Transit Association from transit systems representing more than 65 percent of the industry. See also *Historical Statistics, Colonial Times to 1970*, series Q 238-250]

ITEM	Unit	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985
Operating systems	Number	1,079	947	1,018	1,027	1,844	1,638	1,036	1,538	2,314	2,261
Motorbus systems <sup>1</sup>	Number	1,075	941	1,014	1,023	1,040	1,030	1,031	1,031	2,261	2,258
Publicly owned systems <sup>1</sup>	Number	144	333	483	523	576	578	581	589	1,004	1,010
Passenger vehicles owned	Number	61,388	62,226	64,819	66,738	70,883	72,883	72,883	73,782	84,017	86,512
Motorbuses	Number	49,700	50,811	52,886	54,480	59,411	60,393	62,114	62,093	78,864	79,237
Electric railway cars <sup>2,3</sup>	Number	10,800	10,712	10,564	10,524	10,749	10,919	10,828	11,003	10,902	11,183
Heavy rail	Number	9,338	9,808	9,887	9,522	9,883	9,801	9,887	9,943	9,841	10,118
Trolley coaches	Number	1,050	703	583	725	823	751	783	886	686	988
Total revenue	ML. dol.	(NA)	3,481	4,883	5,888	6,510	7,288	8,644	8,886	11,888	12,821
Passenger revenue	ML. dol.	1,639	1,881	2,271	2,438	2,557	2,701	3,077	3,172	4,456	4,882
Other operating revenue <sup>4</sup>	ML. dol.	88	183	179	212	248	344	380	333	777	716
Operating assistance	ML. dol.	(NA)	1,405	2,232	2,910	3,705	4,321	4,887	5,023	6,005	7,243
Federal	ML. dol.	(NA)	302	880	858	1,094	1,095	1,005	827	1,024	880
State and local	ML. dol.	(NA)	1,108	1,542	2,055	2,611	3,226	3,582	4,185	5,581	6,883
Total expenses	ML. dol.	1,886	3,752	4,788	5,811	6,711	7,823	8,314	8,736	12,888	13,841
Operating expenses	ML. dol.	(NA)	3,537	4,538	5,232	6,248	7,024	7,553	7,956	11,219	12,057
Transportation	ML. dol.	(NA)	1,877	2,508	2,735	3,246	3,586	3,882	3,931	5,218	5,582
Maintenance	ML. dol.	(NA)	814	1,089	1,468	1,774	1,948	2,188	2,382	3,334	3,838
Administration	ML. dol.	(NA)	848	982	1,028	1,224	1,462	1,503	1,634	2,888	2,825
Reconciling expenses	ML. dol.	(NA)	215	250	380	484	597	781	780	1,340	1,484
Vehicle-miles operated <sup>5</sup>	Million	1,383	1,888	2,028	2,845	2,886	2,134	2,128	2,117	2,378	2,489
Motorbus	Million	1,409	1,528	1,830	1,834	1,877	1,885	1,858	1,878	1,722	1,771
Electric railway <sup>2,3</sup>	Million	441	448	384	400	403	437	448	421	458	482
Heavy rail	Million	407	423	384	380	385	420	429	406	436	451
Passengers carried <sup>6,7</sup>	Million	7,322	8,972	7,838	8,138	8,236	7,964	7,741	7,998	8,873	8,948
Motorbus <sup>8</sup>	Million	5,034	5,084	5,721	6,158	5,837	5,594	5,324	5,422	5,988	6,024
Electric railway <sup>2,3</sup>	Million	2,116	1,810	1,825	1,888	2,258	2,232	2,258	2,307	2,385	2,432
Avg. revenue per passenger	Cents	22.4	26.7	26.8	30.0	31.8	23.8	38.7	48.2	58.2	62.1
Employees, number (avg.)	1,000	138	189	188	179	187	183	184	185	284	282
Payroll, employee	ML. dol.	1,274	2,236	2,741	3,025	3,280	3,494	3,731	3,921	5,380	5,808

NA Not available. <sup>1</sup> Includes systems with combined services including motorbuses, heavy rail cars, light rail cars, trolley coaches, cable cars, and inclined plane cars. <sup>2</sup> Includes light rail. <sup>3</sup> Beginning 1975, includes cable car and inclined plane. <sup>4</sup> Includes other operating revenue, non-operating revenue, and auxiliary income. <sup>5</sup> Includes trolley coach, not shown separately. <sup>6</sup> Data for 1970-1979 not comparable with later years.

Source: American Public Transit Association, Washington, DC. *Transit Fact Book*, annual.

# Motor Carriers of Passengers—Bus Lines—Warehousing Services 585

## NO. 1012. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS: 1970 TO 1985

enters subject to ICC regulations. See text, section 21. Minus sign (—) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 69-75.

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
lers reporting <sup>1</sup>	Number	71	77	42	43	45	46	45	50	45	43	43
ber of employees, average	1,000	34	31	27	28	27	31	31	30	25	25	24
ensation of employees	Mill. dol.	317	383	400	412	486	599	630	648	570	551	518
ating revenue	Mill. dol.	722	942	966	1,021	1,200	1,397	1,453	1,447	1,276	1,256	1,233
essenger revenue <sup>2</sup>	Mill. dol.	524	651	655	671	802	947	983	989	876	861	836
ocial bus revenue and other	Mill. dol.	198	291	314	345	398	215	202	229	180	180	184
ating expenses	Mill. dol.	639	880	924	963	1,143	1,318	1,387	1,418	1,263	1,254	1,189
operating revenue	Mill. dol.	83	61	45	36	57	79	72	30	—	1	65
ary income												
ore income taxes	Mill. dol.	86	63	66	67	57	107	86	56	16	53	66
ar income taxes	Mill. dol.	52	56	40	41	57	60	51	37	26	43	53
nger vehicles in service <sup>3</sup>	1,000	13.3	9.7	8.3	8.5	8.2	8.6	8.4	8.1	7.3	7.0	6.4
le-miles, passenger	Million	671	836	754	728	754	781	732	717	591	585	567
me passengers carried	Million	174	147	122	118	122	134	114	112	94	89	88
me per vehicle-mile	Dollar	.73	1.05	1.23	1.35	1.52	1.69	1.89	1.86	2.17	2.14	2.08

Excludes carriers preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers. <sup>1</sup> Includes \$4 million from Government authorities for current operations. <sup>2</sup> Regular route, intercity and local.

Source: U.S. Interstate Commerce Commission, 1970, *Transport Statistics in the United States*, Part 7, and 1975-1984, Part 2, 1st, except 1976, *Financial and Operating Statistics, Class I Motor Carriers of Passengers*, statement No. 760, semiannual (continued in 1979.)

## NO. 1013. INTERCITY BUS LINES—SUMMARY OF OPERATIONS: 1970 TO 1985

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
ating companies	Number	1,000	950	1,050	1,100	1,200	1,330	1,470	1,520	(NA)	(NA)	(NA)
le	1,000	22.0	20.5	20.1	20.4	21.3	21.4	21.7	20.9	20.4	20.1	20.2
s of highway served (Dec. 31) <sup>1</sup>	1,000	267	274	276	278	280	279	278	273	270	266	263
oyees (Dec. 31) <sup>2</sup>	1,000	50	47	48	46	48	49	50	48	45	44	43
miles, total	Million	1,209	1,126	1,118	1,100	1,153	1,182	1,151	1,115	1,027	1,016	993
me passengers	Million	401	351	329	336	366	370	370	359	352	352	352
lar and four passengers	Million	62	145	160	175	185	195	204	206	209	(NA)	(NA)
me passenger-miles	Million	25.3	25.4	25.0	25.8	27.7	27.4	268	27.3	26.4	25.2	25.2
ating revenue, all services	Mill. dol.	901	1,172	1,331	1,419	1,664	1,943	2,097	2,070	1,953	1,814	1,879
ating expenses	Mill. dol.	812	1,103	1,276	1,366	1,572	1,811	1,982	2,013	1,836	1,696	1,814
operating revenue <sup>3</sup>	Mill. dol.	89	69	55	53	92	132	115	57	15	18	65

<sup>1</sup> Not available. <sup>2</sup> Includes duplication between carriers. <sup>3</sup> Operating companies only. <sup>4</sup> Before income taxes.

Source: American Bus Association, Washington, DC, *Bus Facts*, annual, and *Annual Report*.

## X. 1014. WAREHOUSING SERVICES—OPERATING REVENUES, OPERATING EXPENSES, AND PAYROLL: 1984 AND 1985

SIC	KIND OF BUSINESS	OPERATING REVENUES			OPERATING EXPENSES			ANNUAL PAYROLL		
		Total (mil. dol.)		Percent change	Total (mil. dol.)		Percent change	Total (mil. dol.)		Percent change
		1984	1985		1984	1985		1984	1985	
42	Motor freight transportation and warehousing services <sup>1</sup>	83,974	88,560	5.5	78,871	84,236	6.8	26,563	27,775	4.6
421	Trucking, local and long distance	79,715	84,015	5.4	75,222	80,291	6.7	25,278	26,400	4.5
422	Public warehousing	4,148	4,440	7.0	3,556	3,962	8.8	1,231	1,330	8.0
421	Farm product warehousing and storage	635	630	-1.0	439	454	3.4	(0)	(0)	(0)
422	Refrigerated warehousing	943	1,032	9.5	793	891	12.2	288	324	12.6
424	Household goods warehousing and storage	249	257	3.3	(0)	(0)	(0)	(0)	(0)	(0)
5, 6	General warehousing and storage and special warehousing and storage not elsewhere classified	2,421	2,621	8.3	2,118	2,306	8.9	746	800	7.4

Data do not meet publication standards because of high sampling error or high imputation rate. <sup>1</sup> Standard Industrial Classification. <sup>2</sup> Includes terminal and joint terminal maintenance facilities for motor freight transportation (SIC 4231) not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, 1985 *Motor Freight Transportation and Warehousing Survey*.



### NO. 1015. TRUCKING SERVICES—OPERATING REVENUES, OPERATING EXPENSES, AND EQUIPMENT, BY TYPE OF CARRIER: 1984 AND 1985

[In millions of dollars, except as indicated. Data cover SIC group 421. Estimates include both regulated and nonregulated carriers; excluded are non-employers (i.e., firms with no paid employees) and private fleets operated as auxiliary establishments to nontransportation companies. Some unpublished estimates may be derived from this table by subtraction, but such figures are subject to high sampling variability and should be used with caution.]

ITEM	ALL CARRIERS		SPECIALTY FREIGHT CARRIERS		GENERAL FREIGHT CARRIERS	
	1984	1985	1984	1985	1984	1985
<b>Operating revenues:</b>						
Total <sup>1</sup>	75,715	84,015	25,072	28,677	54,843	57,130
Motor carrier	75,889	76,017	21,802	23,431	52,086	54,586
Local trucking	15,830	17,528	7,518	8,537	8,312	8,989
Intercity trucking	59,189	60,490	14,385	14,893	43,785	45,597
<b>Operating expenses:</b>						
Total	75,222	80,281	23,348	25,360	51,872	54,901
Annual payroll	25,276	25,400	8,431	8,798	16,844	16,605
Employer contributions to Social Security and other supplemental labor benefits	5,776	6,003	1,165	1,270	4,599	4,734
Purchased fuels	6,325	6,446	1,005	1,848	4,516	4,598
Lease and rental payments	15,841	16,984	(8)	(8)	10,585	11,214
Depreciation	3,783	4,068	(8)	(8)	2,500	2,888
Taxes and licenses	1,889	1,862	484	548	1,182	1,314
Other	16,435	18,518	6,782	7,769	9,642	10,740
<b>Equipment<sup>2</sup> (1,000 units):</b>						
Trucks	(NA)	221	(NA)	88	(NA)	132
Truck-tractors	(NA)	473	(NA)	147	(NA)	228
Trailers, full and semi	(NA)	1,011	(NA)	207	(NA)	804

NA Not available. S Data do not meet publication standards. <sup>1</sup> Includes other revenues not shown separately.

<sup>2</sup> Represents revenue generating freight equipment as of December 31. Includes owned and leased equipment.

Source: U.S. Bureau of the Census, *Current Business Reports*, 1985 Motor Freight Transportation and Warehousing Survey.

### NO. 1016. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY, BY CARRIER: 1975 TO 1985

[See headnote, table 1012. Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign ( - ) indicates loss.]

ITEM	Unit	1975	1980	1984	1985	1975	1980	1984	1985
		COMMON CARRIER, GENERAL FREIGHT				COMMON CARRIER OTHER THAN GENERAL FREIGHT			
Carriers reporting	Number	368	298	254	237	330	441	484	387
Number of employees, average	1,000	379	413	383	376	64	101	87	76
Compensation of employees	Mill. dol.	5,728	9,803	10,428	10,217	1,048	1,831	1,972	1,783
Operating revenues	Mill. dol.	11,118	19,725	22,482	22,314	3,807	8,792	8,991	7,882
Intercity freight	Mill. dol.	10,511	19,480	22,222	22,060	3,717	8,339	8,654	7,684
Operating expenses	Mill. dol.	10,571	18,870	21,279	21,037	3,758	8,426	8,653	7,752
Ordinary income before taxes	Mill. dol.	432	701	1,084	1,198	109	230	254	123
Net income	Mill. dol.	225	-72	657	658	65	14	182	94
Total power units, intercity service	1,000	78	102	108	108	68	85	88	77
Trucks, tractors owned in operation, avg	1,000	49	73	80	82	25	33	32	28
Intercity vehicle-miles	Million	6,246	6,547	6,045	5,780	4,776	5,888	6,589	5,714
Tons of intercity revenue freight carried	Million	181	178	147	136	264	324	345	303
		CONTRACT CARRIER OTHER THAN GENERAL FREIGHT				CARRIERS OF HOUSEHOLD GOODS			
Carriers reporting	Number	50	89	88	84	32	25	35	40
Number of employees, average	1,000	10	14	19	22	4	10	10	11
Compensation of employees	Mill. dol.	175	336	589	630	70	157	190	240
Operating revenues	Mill. dol.	453	1,272	1,838	1,942	885	1,824	2,510	2,884
Intercity freight	Mill. dol.	411	1,172	1,688	1,792	765	1,676	2,286	2,388
Operating expenses	Mill. dol.	432	1,207	1,734	1,807	849	1,781	2,432	2,695
Ordinary income before taxes	Mill. dol.	17	48	92	103	32	74	107	19
Net income	Mill. dol.	9	28	57	68	18	42	70	54
Total power units, intercity service	1,000	8	13	16	16	18	25	33	35
Trucks, tractors owned in operation, avg	1,000	5	7	10	11	(2)	1	1	1
Intercity vehicle-miles	Million	454	834	1,267	1,227	886	988	1,222	1,171
Tons of intercity revenue freight carried	Million	21	37	38	41	3	5	7	7

Z Less than 500.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 2, annual.

NO. 1017. RAILROADS, CLASS I—SUMMARY: 1970 TO 1986

of Dec. 31, or calendar year data, except as noted. Compiled from annual reports of class I railroads only, except where noted. Beginning 1983, financial data may not be comparable with earlier years due to changes in accounting systems. Minus sign (—) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 284-312, Q 318, Q 330, Q 356-378, and Q 400-401.]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>Line-hauling companies<sup>1</sup></b>	Number	71	73	39	38	33	32	29	23	22
<b>Employees<sup>2</sup></b>	1,000	586	494	480	457	397	342	344	302	278
<b>Compensation</b>	Mill. dol.	5,711	7,475	11,318	11,650	11,021	10,345	11,004	10,583	9,919
<b>Average per hour</b>	Dollars	4.14	6.39	10.21	11.14	12.26	13.29	13.84	14.30	14.78
<b>Average per year</b>	Dollars	10,086	15,324	24,859	26,698	29,087	32,125	34,064	35,951	35,961
<b>Track:</b>										
<b>abroad line owned<sup>3</sup></b>	1,000	208	199	179	188	185	181	157	155	154
<b>abroad track owned<sup>4</sup></b>	1,000	336	324	290	278	275	270	264	257	256
<b>Equipment:</b>										
<b>locomotives in service</b>	Number	27,086	28,210	28,386	27,808	27,073	25,836	24,506	22,932	21,045
<b>Average horsepower</b>	1,000 hp	1,926	2,121	2,302	2,326	2,341	2,364	2,415	2,489	2,531
<b>Cars in service:</b>										
<b>Passenger-train</b>	Number	11,177	8,471	4,347	3,945	3,736	2,810	2,580	2,502	2,307
<b>Freight train<sup>5</sup></b>	1,000	1,784	1,724	1,711	1,673	1,588	1,543	1,486	1,422	1,339
<b>Freight cars<sup>6</sup></b>	1,000	1,454	1,358	1,168	1,111	1,039	1,007	948	887	799
<b>Average capacity<sup>7</sup></b>	Tons	67.1	72.9	78.5	80.5	81.6	82.4	83.4	83.2	84.1
<b>Aggregate capacity<sup>7</sup></b>	Mill. tons	95.6	99.2	92.7	89.4	84.8	83.0	80.0	72.2	67.2
<b>Box<sup>8</sup></b>	1,000	580	475	347	314	278	271	245	211	180
<b>Gondola and hopper<sup>9</sup></b>	1,000	724	680	636	621	584	577	552	505	473
<b>Other<sup>10</sup></b>	1,000	140	204	185	176	167	159	151	145	140
<b>Income and expenses:</b>										
<b>Operating revenues</b>	Mill. dol.	11,992	16,402	28,103	30,898	27,504	26,729	29,453	27,588	26,204
<b>Operating expenses</b>	Mill. dol.	11,478	15,938	26,250	28,587	26,490	24,106	25,800	25,225	24,896
<b>Net revenue from railway operations</b>	Mill. dol.	514	466	1,853	2,312	1,013	2,623	3,653	2,361	1,308
<b>Income before fixed charges</b>	Mill. dol.	994	1,084	3,167	4,425	2,880	3,889	4,893	3,383	2,480
<b>Income taxes on ordinary income<sup>11</sup></b>	Mill. dol.	88	58	291	45	958	944	255	294	480
<b>Net income</b>	Mill. dol.	1,089	1,706	2,578	3,390	21,626	3,014	3,577	3,088	2,611
<b>Interest on funded debt</b>	Mill. dol.	487	623	833	1,056	1,019	939	916	877	875
<b>Net ordinary income</b>	Mill. dol.	227	144	1,192	2,041	1,152	1,779	1,788	1,788	747
<b>Net railway operating income</b>	Mill. dol.	486	351	1,312	1,381	742	1,636	2,536	1,748	507
<b>Rate of return on average net investment</b>	Percent	1.73	1.20	4.13	3.98	2.11	4.29	5.70	3.84	1.11
<b>Gross capital expenditures</b>	Mill. dol.	1,351	1,790	3,621	2,750	1,975	2,781	3,744	4,423	3,801
<b>Equipment</b>	Mill. dol.	993	1,303	2,346	1,502	713	455	806	965	693
<b>Roadway and structures</b>	Mill. dol.	358	486	1,275	1,248	1,262	2,306	2,938	3,458	2,908
<b>Balance sheet:</b>										
<b>Total property investment</b>	Mill. dol.	38,213	40,344	43,923	46,616	47,311	62,964	63,471	64,241	64,761
<b>Accrued depreciation and amortization</b>	Mill. dol.	10,027	10,805	10,706	11,622	12,051	19,480	20,096	19,756	20,940
<b>Net investment</b>	Mill. dol.	28,186	29,740	33,217	34,997	35,260	43,483	43,375	44,485	43,821
<b>Shareholder's equity</b>	Mill. dol.	17,323	14,942	19,880	21,253	21,349	26,461	27,986	27,806	25,442
<b>Working capital</b>	Mill. dol.	— 58	86	897	1,892	1,372	1,325	1,844	1,084	743
<b>Cash dividends</b>	Mill. dol.	421	434	810	682	1,038	1,085	1,086	1,444	1,378
<b>TRAFFIC: passenger traffic</b>										
<b>Passenger revenue</b>	Mill. dol.	(NA)	(NA)	(NA)	488.1	515.3	556.7	604.9	633.8	633.8
<b>Revenue passengers carried</b>	1,000	(NA)	(NA)	(NA)	19,889	18,725	19,489	20,065	20,945	20,166
<b>Revenue passenger miles</b>	Mill.	(NA)	(NA)	(NA)	4,662	4,122	4,343	4,566	4,977	5,016
<b>Average miles per passenger</b>	Dol.	(NA)	(NA)	(NA)	23.54	24.80	26.39	28.23	28.88	31.42
<b>Revenue per passenger mile</b>	Cents	(NA)	(NA)	(NA)	10.33	11.26	11.83	12.43	12.15	12.63
<b>Trip per passenger</b>	Miles	(NA)	(NA)	(NA)	234.4	220.1	223.1	227.6	237.6	246.7
<b>Freight service:</b>										
<b>Freight revenue</b>	Mill. dol.	10,922	15,390	26,200	26,825	25,627	25,835	26,472	26,688	25,344
<b>Per ton-mile</b>	Cents	1.43	2.04	2.83	3.18	3.21	3.20	3.08	3.04	2.92
<b>Revenue tons originated</b>	Million	7.87	11.40	18.05	20.36	20.89	20.86	20.89	21.39	20.82
<b>Revenue-ton miles originated</b>	Million	1,485	1,396	1,492	1,453	1,269	1,293	1,429	1,320	1,087
<b>Revenue-ton miles carried</b>	Million	2,616	2,437	2,434	2,377	1,979	1,932	2,119	1,885	1,936
<b>Revenue-ton miles per mile of road operated</b>	1,000	785	754	919	910	798	827	922	877	877
<b>Average miles of road operated</b>	1,000	209	205	179	177	174	170	165	161	155
<b>Revenue-ton miles per mile of road</b>	1,000	3,852	3,868	5,133	5,142	4,602	4,876	5,576	5,448	5,587
<b>Revenue per ton-mile</b>	Cents	1.426	2.041	2.852	3.178	3.212	3.119	3.090	3.043	2.921
<b>Train miles</b>	Million	427	402	426	426	345	346	346	347	347
<b>Net ton-miles per train-mile<sup>12</sup></b>	Number	1,820	1,838	2,175	2,265	2,345	2,432	2,543	2,574	2,552
<b>Net ton-miles per loaded car-mile<sup>13</sup></b>	Number	44.9	51.7	63.5	67.1	66.3	61.2	62.7	62.7	63.2
<b>Train-miles per train-hour</b>	Miles	20.1	20.0	18.2	19.0	21.4	20.3	21.9	21.9	22.5
<b>Ton-mile per ton, U.S. as a system</b>	Miles	490	516	590	600	613	613	617	635	636
<b>Accidents:</b>										
<b>Persons killed</b>	Number	2,295	1,580	1,417	1,284	1,119	1,073	1,247	1,036	1,091
<b>Persons injured</b>	Number	21,327	54,306	62,246	53,003	40,275	34,616	36,570	34,304	28,823

1A Not available. 1 See top, section 21 for definition of class I. 2 Average mid-month count. 3 Represents the regular length of roadway of all line-haul railroads. Excludes yard tracks, sidings, and parallel lines. (Includes estimate for class II railroads.) 4 Includes multiple main tracks, yard tracks, and sidings owned by both line-haul and switching and terminal railroads. 5 Excludes Long Island Railroad, which was reclassified. 6 Includes cars used by all railroads, private car companies, and shippers. 7 Class I railroads only. 8 Includes State income taxes levied 1980. 9 Represents credit. 10 Revenue and non-revenue freight. 11 Includes highway grade crossing casualties. 12 1970 not comparable with later years due to change in requirements for reporting injuries.

Source: Association of American Railroads, Washington, DC, *Yearbook of Railroad Facts, Statistics of Railroads of Class I, and Analysis of Class I Railroads*, annual. Accident data: U.S. Federal Railroad Administration, *Accident Bulletin*, annual.

### NO. 1018. RAILROADS, CLASS I—CARS OF REVENUE FREIGHT LOADED, 1960 TO 1966, AND BY COMMODITY GROUP, 1965 AND 1966

[In thousands. Figures are 52-week totals. Data for 1978-86 include 12 class II railroads which were class I in 1977. See text, section 21, for definition of class I. N.e.c. = Not elsewhere classified]

YEAR	CARLOADS		COMMODITY GROUP	CARLOADS		COMMODITY GROUP	CARLOADS	
	Total	Piggy-back		1965	1966		1965	1966
1960	30,441	554	Coal	5,793	5,680	Crushed stone, gravel, sand	642	657
1965	29,246	1,077	Metallic ores	725	742	Nonmetallic minerals, n.e.c.	588	453
1970	27,160	1,450	Chemicals, allied products	1,251	1,240	Waste and scrap materials	436	411
1975	23,217	1,308	Grain	1,187	1,265	Lumber and wood products (exc. furniture), n.e.c.	398	367
1980	22,598	1,661	Motor vehicles and equipment	1,082	1,035	Forwarder/shipper assoc. traffic	336	201
1981	21,613	1,723	Pulp, paper, allied products	712	657	Coke	254	218
1982	18,496	1,920	Primary forest products	584	532	Petroleum product	237	240
1983	18,815	2,348	Food and kindred prod., n.e.c.	568	562	Farm products, exc. grain	188	192
1984	20,257	2,703	Grain mill products	537	545	Less than carload	8	8
1985	19,574	2,883	Metals and products	445	414	All other carloads	3,113	3,510
1986	19,477	3,279	Stone, clay, and glass products	530	508			

Source: Association of American Railroads, Washington, DC, *Cars of Revenue Freight Loaded*, annual.

### NO. 1019. RAILROADS, CLASS I LINE-HAUL—REVENUE FREIGHT ORIGINATED, BY COMMODITY GROUP, 1970 TO 1986

[See *Historical Statistics, Colonial Times to 1970*, series Q 332, for total carloads originated]

COMMODITY GROUP	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986, prel.
<b>Carloads<sup>1</sup> (1,000)</b>	<b>27,015</b>	<b>22,930</b>	<b>22,482</b>	<b>23,409</b>	<b>22,323</b>	<b>21,343</b>	<b>18,586</b>	<b>18,013</b>	<b>20,846</b>	<b>19,591</b>	<b>19,987</b>
Coal	5,296	4,844	4,372	5,329	5,789	5,835	5,718	5,278	6,061	5,664	5,433
Farm products	2,374	1,873	1,599	1,721	1,866	1,637	1,586	1,642	1,757	1,494	1,802
Food and kindred products	2,708	2,154	1,922	1,348	1,787	1,557	1,391	1,318	1,234	1,224	1,276
Metallic ores	1,602	1,338	1,405	1,480	1,258	1,354	781	812	1,001	511	508
Chemicals, allied products	1,578	1,313	1,426	1,471	1,322	1,322	1,120	1,218	1,312	1,286	1,287
Nonmetallic minerals <sup>2</sup>	2,204	1,895	1,650	1,582	1,474	1,272	958	1,079	1,204	1,198	1,113
Lumber and wood products <sup>3</sup>	2,048	1,815	1,629	1,565	1,384	1,254	1,002	1,075	1,051	948	985
Transportation equipment	1,050	1,135	1,352	1,278	1,004	939	801	854	1,141	1,202	1,148
Pulp, paper, allied products	1,197	1,015	975	977	854	899	765	748	741	703	872
Primary metal products	1,488	798	873	913	758	780	458	440	487	449	388
Stone, clay, and glass products	1,231	906	911	920	778	690	516	543	576	551	530
Waste and scrap materials	805	744	734	713	632	610	408	417	480	429	402
Petroleum and coal products	889	787	704	716	598	607	487	495	529	491	477
Machinery, exc. electrical	200	156	104	80	77	66	43	38	40	36	31
Fabricated metal products <sup>4</sup>	398	244	98	87	72	55	36	33	37	31	26
<b>Tons<sup>1</sup> (mil.)</b>	<b>1,484.9</b>	<b>1,395.1</b>	<b>1,390.4</b>	<b>1,502.1</b>	<b>1,482.4</b>	<b>1,453.0</b>	<b>1,298.6</b>	<b>1,282.8</b>	<b>1,438.4</b>	<b>1,319.8</b>	<b>1,395.8</b>
Coal	404.8	407.6	383.1	473.8	522.1	527.6	523.8	493.8	586.6	536.0	517.5
Farm products	134.2	134.4	128.7	138.5	156.1	139.9	133.5	142.2	151.1	127.0	136.4
Food and kindred products	110.1	100.2	95.4	93.2	91.9	82.8	77.0	75.2	72.1	73.5	78.3
Metallic ores	126.7	106.4	112.5	119.9	105.4	113.8	62.6	68.4	85.5	48.9	48.4
Chemicals, allied products	91.6	91.4	108.7	112.4	106.3	105.9	91.2	99.3	107.4	108.4	105.6
Nonmetallic minerals <sup>2</sup>	183.3	150.6	135.0	132.3	124.8	110.0	84.7	96.5	108.2	107.7	101.2
Lumber and wood products <sup>3</sup>	101.9	88.6	95.1	93.1	85.5	80.3	65.9	71.7	89.8	63.2	64.9
Transportation equipment	24.2	27.3	32.2	30.6	23.9	22.2	18.8	22.2	26.1	27.2	25.8
Pulp, paper, allied products	42.5	40.6	41.4	42.4	42.1	41.6	36.4	36.6	37.7	36.2	35.6
Primary metal products	82.2	51.4	60.3	63.9	52.7	53.3	32.0	32.0	36.1	33.6	28.7
Stone, clay, and glass products	71.1	58.8	59.9	61.5	53.7	49.2	38.2	41.6	44.7	43.5	42.1
Waste and scrap materials	38.8	38.2	37.8	38.5	34.3	34.1	22.7	24.5	28.8	25.7	25.0
Petroleum and coal products	36.3	45.8	44.4	43.9	38.1	39.0	31.6	33.6	36.3	32.9	32.8
Machinery, exc. electrical	4.6	3.6	2.5	2.3	2.0	1.7	1.2	.8	.9	.9	.8
Fabricated metal products <sup>4</sup>	11.3	8.2	2.5	2.3	2.0	1.7	1.0	.8	.9	.6	.7
<b>Gross revenue<sup>1</sup> (mil. dol.)</b>	<b>11,388</b>	<b>15,888</b>	<b>20,786</b>	<b>24,283</b>	<b>28,838</b>	<b>29,590</b>	<b>28,504</b>	<b>28,710</b>	<b>28,886</b>	<b>28,226</b>	<b>27,188</b>
Coal	1,391	2,146	2,813	3,672	4,956	5,977	6,307	5,889	6,985	6,556	6,088
Farm products	1,068	1,472	1,678	2,101	2,801	2,621	2,305	2,374	2,483	1,977	2,007
Food and kindred products	1,363	1,822	2,158	2,421	2,837	2,928	2,604	2,349	2,309	2,256	2,192
Metallic ores	333	468	553	621	597	723	403	450	567	403	376
Chemicals, allied products	1,137	1,681	2,342	2,739	2,948	3,286	2,942	3,078	3,380	3,342	3,342
Nonmetallic minerals <sup>2</sup>	409	586	723	829	948	1,036	852	834	997	949	838
Lumber and wood products <sup>3</sup>	832	1,088	1,461	1,546	1,543	1,559	1,303	1,527	1,811	1,525	1,563
Transportation equipment	734	1,283	2,069	2,187	1,917	2,120	1,988	2,292	2,869	3,110	2,988
Pulp, paper, allied products	730	977	1,260	1,445	1,652	1,848	1,717	1,671	1,762	1,641	1,570
Primary metal products	813	848	1,104	1,291	1,332	1,559	977	816	965	872	787
Stone, clay, and glass products	512	651	902	1,018	1,025	1,114	888	906	1,024	980	908
Waste and scrap materials	232	359	432	479	513	573	418	423	496	446	425
Petroleum and coal products	305	573	713	836	866	1,019	867	844	913	881	800
Machinery, exc. electrical	148	200	188	174	178	176	115	76	81	72	58
Fabricated metal products <sup>4</sup>	210	221	115	117	110	105	71	52	57	46	40

<sup>1</sup> Includes commodity groups and small packaged freight shipments, not shown separately. <sup>2</sup> Except fuels.

<sup>3</sup> Except furniture. <sup>4</sup> Except ordinance, machinery, and transport.

Source: 1970-1979, U.S. Interstate Commerce Commission, *Freight Commodity Statistics—Class I Railroads in the United States*, annual; thereafter, Association of American Railroads, Washington, DC, *Freight Commodity Statistics*, annual.

**NO. 1020. RAILROAD FREIGHT—PRODUCER PRICE INDEXES: 1970 TO 1986**

a. 1984 = 100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions)

COMMODITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
railroad freight	29.1	45.3	53.2	56.8	65.0	75.8	87.4	93.7	95.0	98.3	99.9	100.7
all percent change	6.6	13.2	8.8	7.0	14.2	18.8	15.2	7.2	1.4	4.5	6	.8
all	25.9	44.0	52.4	56.5	65.9	75.8	88.9	95.4	96.5	99.9	100.0	100.7
all	29.7	45.2	52.4	58.1	64.6	75.8	88.3	92.4	94.0	96.7	99.0	99.6
industrial products	29.9	44.8	51.9	56.8	63.5	75.2	87.4	93.7	94.8	98.1	100.0	99.9
and allied products	28.4	43.2	51.2	55.1	63.8	74.5	88.1	93.9	95.9	99.4	100.2	100.5
and allied products	30.0	46.5	54.3	57.5	64.9	75.6	87.1	93.5	94.3	98.7	100.1	101.2
minerals	25.4	40.5	48.3	52.0	60.6	72.2	86.4	93.3	94.6	98.9	100.1	101.8
wood products	28.3	42.8	50.1	53.8	61.0	72.7	85.2	91.4	93.3	99.7	100.0	100.9
ion equipment	31.7	50.3	59.3	63.1	71.5	81.7	91.8	94.5	96.6	99.9	100.0	100.8
, and allied products	31.5	47.1	53.9	57.0	64.7	78.7	88.5	94.7	95.6	99.9	100.0	101.0
tal products	29.9	47.8	55.0	59.5	67.5	77.8	88.5	94.3	95.4	99.9	99.7	100.2
, concrete, glass, products	28.9	43.0	50.9	55.0	62.8	74.2	88.5	93.4	94.4	99.9	100.0	102.2

from prior year

U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

**NO. 1021. PETROLEUM PIPELINE COMPANIES—CHARACTERISTICS: 1972 TO 1985**

petroleum pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commission from 1972 to 1975, and Federal Energy Regulatory Commission beginning 1977]

ITEM	UNIT	1972	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
lines, total	1,000	172.1	170.7	154.5	161.6	169.8	172.7	172.8	172.5	167.8	173.9	171.4
g lines	1,000	42.3	40.4	34.7	36.5	36.9	38.3	38.6	35.6	31.0	36.1	36.0
all	1,000	129.8	130.3	119.8	125.1	132.9	138.4	134.2	136.9	136.8	137.9	135.4
lines	MB bbl	8,847	9,391	10,019	10,768	11,140	10,800	10,223	10,181	10,310	10,224	10,745
	MB bbl	5,510	5,729	6,089	6,550	6,728	6,406	6,070	5,968	6,020	5,671	6,239
	MB bbl	3,337	3,662	3,930	4,218	4,412	4,395	4,153	4,213	4,289	4,552	4,506
line traffic	Bbl bbl-miles	2,887	2,892	3,895	3,723	3,577	3,405	3,554	3,442	3,328	3,408	3,342
	Bbl bbl-miles	1,520	1,551	2,267	2,031	1,946	1,848	1,813	1,838	1,875	1,855	1,842
	Bbl bbl-miles	1,167	1,341	1,627	1,691	1,631	1,456	1,740	1,484	1,452	1,551	1,500
party value	ML dol	6,749	10,740	16,736	17,654	18,990	19,752	21,250	21,842	22,255	19,397	21,805
revenue	ML dol	1,338	1,869	2,818	4,990	5,781	6,356	6,676	7,140	7,472	7,824	7,481
profit	ML dol	415	456	478	1,085	1,648	1,912	2,031	2,162	2,353	2,545	2,431

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**1022. MAJOR INTERSTATE NATURAL GAS PIPELINE COMPANIES—SUMMARY: 1980 TO 1985**

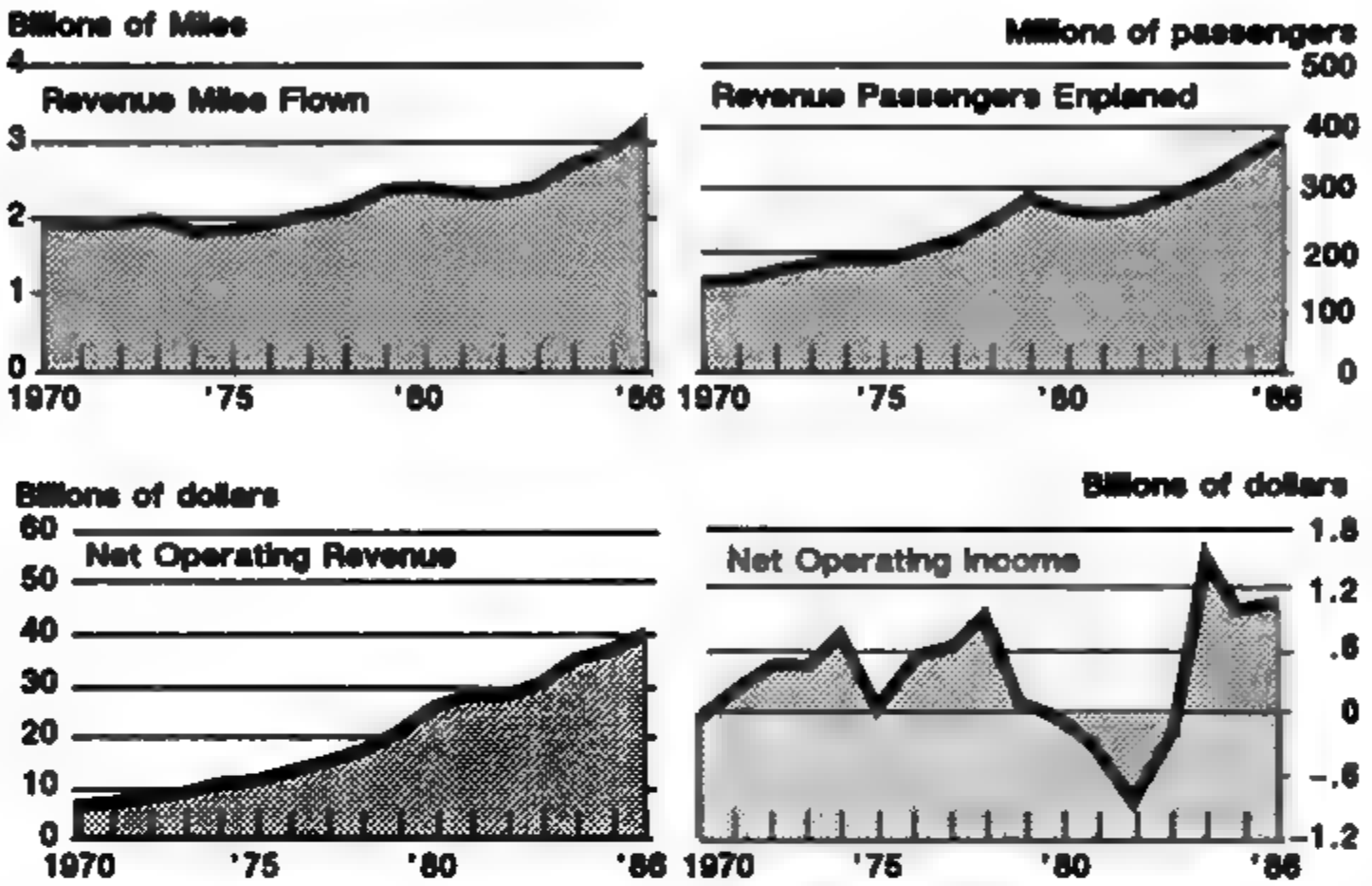
major interstate natural gas pipeline companies are those whose combined sales for resale and natural gas transported or stored for a fee exceed 50 billion cubic feet. They account for more than 85 percent of all interstate natural gas]

ITEM	UNIT	1980	1981	1982	1983	1984	1985
Trl. cu. ft.	(NA)	15.2	14.4	12.9	13.2	11.3	11.3
Trl. cu. ft.	(NA)	.1	.3	.3	.3	.3	.3
Trl. cu. ft.	(NA)	1.1	1.2	1.0	1.2	1.1	1.1
Trl. cu. ft.	(NA)	14.1	13.0	11.6	11.8	9.9	9.9
revenue	ML dol	48,485	58,203	56,792	56,326	49,106	49,106
as 1	ML dol	44,277	53,801	53,710	52,529	44,986	44,986
initial	ML dol	204	1,273	1,725	1,927	1,879	1,879
ercial, industrial	ML dol	3,336	4,453	4,233	5,180	4,466	4,466
sale	ML dol	40,677	47,778	47,681	45,286	38,545	38,545
reparation of gas to others	ML dol	1,011	1,259	1,787	1,923	2,272	2,272
	ML dol	1,177	1,344	1,296	1,674	1,836	1,836
maintenance expenses	ML dol	33,309	41,242	49,989	49,381	48,411	42,528
all	ML dol	29,844	36,708	44,449	43,518	42,407	36,739
	ML dol	253	313	405	441	415	418
ision	ML dol	2,431	3,122	3,629	3,729	3,780	3,409
on	ML dol	28	31	103	131	131	132
relative, general, and other	ML dol	947	1,070	1,402	1,576	1,697	1,830
lease:							
ision lines	1,000	(NA)	(NA)	178.0	178.7	183.4	189.7
all	1,000	(NA)	(NA)	64.6	63.7	65.2	69.6
	1,000	(NA)	(NA)	6.9	6.5	4.8	4.8

(NA) available. \* Includes other ultimate customers not shown separately.

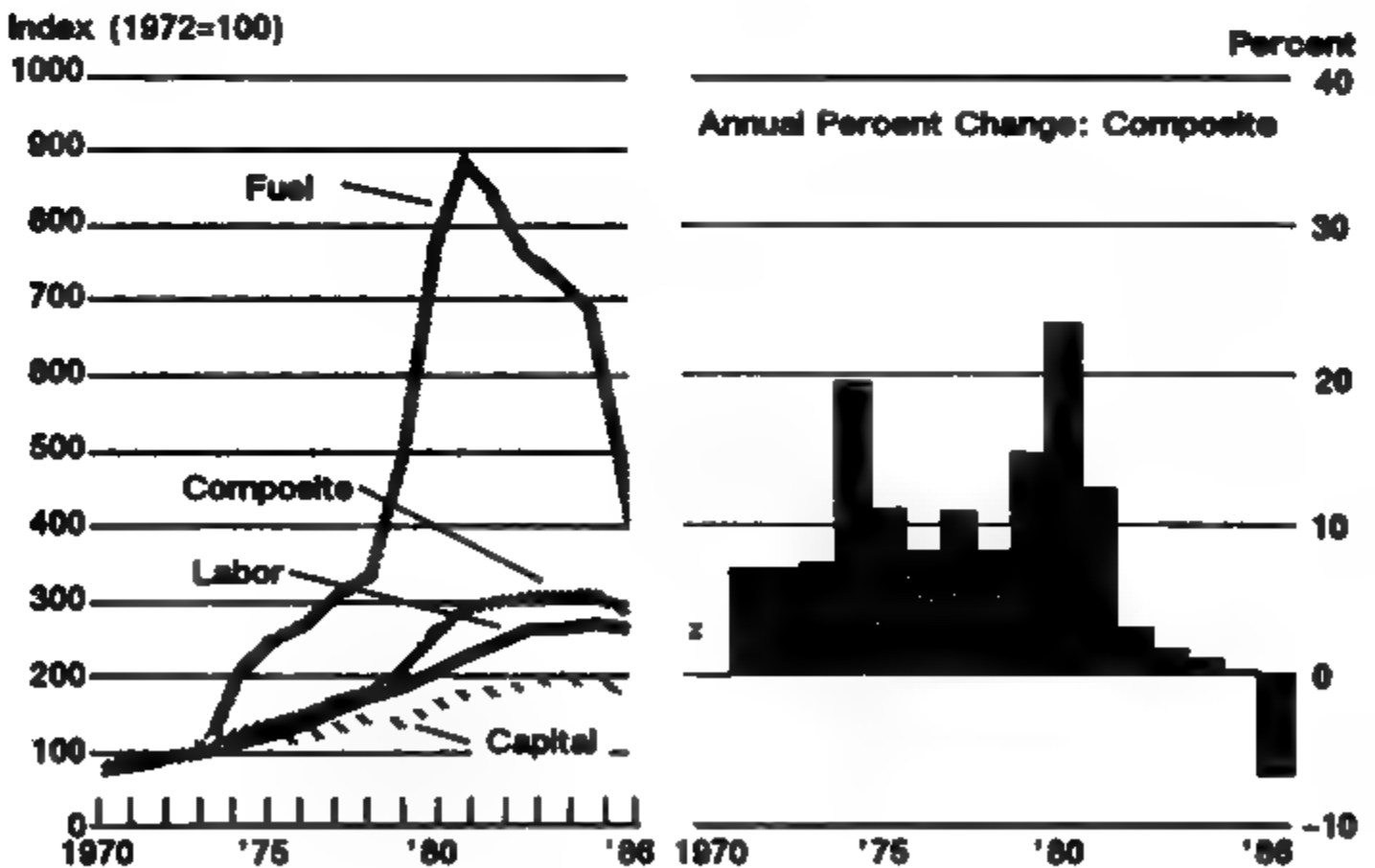
U.S. Energy Information Administration, *Statistics of Interstate Natural Gas Pipeline Companies*, annual.

Figure 22.1  
Domestic Scheduled Air Carriers: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1023 and 1024.

Figure 22.2  
Airline Cost Indexes: 1970 to 1986



Z-Rounds to zero.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 1026.



## Section 22

# Transportation— Air and Water

This section presents statistics on civil air transportation, both passenger and cargo, and on water transportation, including inland waterways, oceanborne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. Comparative data on various types of transportation carriers are presented in section 21.

Principal sources of these data are the annual *FAA Statistical Handbook of Aviation* issued by the Federal Aviation Administration (FAA); the annual *Waterborne Commerce of the United States* issued by the Corps of Engineers of the Department of the Army; the monthly and annual issues of *U.S. Waterborne Exports and General Imports*, and *U.S. Airborne Exports and General Imports*, the annual *Vessel Entrances and Clearances*, and the monthly *Highlights of U.S. Export and Import Trade*, issued by the Bureau of the Census. In addition, the Bureau of the Census in its commodity transportation survey (part of the census of transportation, taken every five years, for years ending in "2" and "7") provides data on the type, weight, and value of commodities shipped by manufacturing establishments in the United States, by means of transportation, origin, and destination.

Air transportation data are also presented annually by the Air Transport Association of America, Washington, DC in *Air Transport Facts and Figures*. Additional sources of data on water transportation include *A Statistical Analysis of the World's Merchant Fleets*, issued periodically by the U.S. Maritime Administration; *The Bulletin*, issued monthly by the American Bureau of Shipping, New York; and the *Annual Summary of Merchant Ships Completed in the World* and the *Register Book*, published by Lloyd's Register of Shipping, London, England.

**Civil aviation.**—Federal promotion and regulation of civil aviation have been carried out by the FAA and the Civil Aeronautics Board (CAB). The CAB promoted and regulated the civil air transportation industry within the United States and between the United States and foreign countries. The Board granted licenses to provide air transportation service, approved or disapproved proposed rates and fares, and approved or disapproved proposed agreements and corporate relationships involving air carriers. In December 1984, the CAB ceased to exist as an agency. Some of its functions were transferred to the Department of Transportation (DOT), as outlined below. The responsibility for investigation of aviation accidents resides with the National Transportation Safety Board.

The Office of the Secretary, DOT aviation activities include: negotiation of international air transportation rights; selection of U.S. air carriers to serve capacity controlled international markets; oversight of international rates and fares; maintenance of essential air service to small communities; and consumer affairs. DOT's Research and Special Programs Administration (RSPA) handles aviation information functions formerly assigned to CAB.

The principal activities of the FAA include: The promotion of air safety; controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment; and the development of general aviation.

The CAB published monthly and quarterly financial and traffic statistical data for the certificated route air carriers. RSPA continues these publications, including both certificated and non-certificated (commuter) air carriers. The FAA publishes annually data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the volume of activity in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

General aviation comprises all civil flying (including such commercial operations as mail demand air taxis, agriculture application, powerline patrol, etc.) but excludes certificated route air carriers, supplemental operators, large-aircraft commercial operators and commuter airlines.

**Air carriers and service.**—The CAB previously issued "certificates of public convenience and necessity" under Section 401 of the Federal Aviation Act of 1958 for scheduled and non-scheduled (charter) passenger services and cargo services. It also issued certificates under Section 418 of the act to cargo air carriers for domestic all-cargo service only. The DOT Office of the Secretary now



issues the certificates under a "fit, willing and able" test of air carrier operations. Carriers operating only 60 seat or less aircraft are given exemption authority to carry passengers, cargo and mail in scheduled and non-scheduled service under Part 298 of the DOT (formerly CAB) regulations. Exemption authority carriers who offer scheduled passenger service to an essential air service point must meet the "fit, willing and able" test.

**Vessel shipments, entrances, and clearances.**—Shipments by dry cargo vessels comprise shipments on all types of watercraft, except tanker vessels; shipments by tanker vessels comprise all types of cargo, liquid and dry, carried by tanker vessels.

A vessel is reported as entered only at the first port which it enters in the United States, whether or not cargo is unloaded at that port. A vessel is reported as cleared only at the last port at which clearance is made to a foreign port, whether or not it takes on cargo. Army and Navy vessels entering or clearing without commercial cargo are not included in the figures.

**Units of measurement.**—Cargo (or freight) tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. However, shipping weight excludes lift and cargo vans and similar substantial outer containers. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. Substantially, it represents space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Deadweight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is, therefore, the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

NO. 1023. CERTIFICATED ROUTE PASSENGER/CARGO AIR CARRIERS—NUMBER, OPERATING REVENUES, AND EXPENSES: 1970 TO 1986

[In millions of dollars, except number of carriers. 1970-1979, includes scheduled and charter operations. Beginning 1980, includes all cargo carriers. Minus sign (–) indicates loss. See also headnote, table 1024, and *Historical Statistics, Colonial Times to 1970*, series Q 591-603]

ITEM	1970	1975	1979	1985	1981 <sup>1</sup>	1982 <sup>1</sup>	1982 <sup>1</sup>	1984 <sup>1</sup>	1985 <sup>1</sup>	1986, <sup>1</sup> prel.
Number of air carriers.....	39	33	49	63	98	98	98	95	106	98
DOMESTIC										
Operating revenue.....	7,131	11,911	21,337	26,404	28,788	28,728	31,014	35,394	37,629	48,921
Passenger.....	6,359	10,290	18,930	23,317	25,504	25,440	27,346	31,437	33,343	33,745
Mail (including subsidy).....	205	247	413	530	591	572	537	560	740	663
Express and freight.....	472	702	1,184	1,582	1,659	1,505	1,582	1,690	1,581	4,277
Other.....	94	672	810	974	1,034	1,211	1,549	1,707	1,965	2,216
Operating expenses.....	7,128	11,781	21,213	26,409	29,061	29,478	31,198	33,812	33,811	38,833
Flying operations.....	2,098	3,869	7,867	11,029	12,037	11,529	11,370	12,161	12,684	11,334
Maintenance.....	1,127	1,595	2,421	2,758	2,821	2,709	2,878	3,176	3,604	4,482
General services and administration.....	3,157	5,050	9,120	10,545	11,943	12,825	14,274	15,625	17,324	20,847
Depreciation and amortization.....	745	883	1,352	1,580	1,723	1,876	2,107	2,223	2,318	2,851
Transport related.....	(NA)	363	453	517	526	537	554	627	681	739
Net operating income.....	3	129	123	– 6	– 284	– 750	– 171	1,582	1,818	1,088
INTERNATIONAL										
Operating revenue.....	1,913	3,083	5,191	6,543	6,380	6,436	7,163	7,978	6,380	8,616
Passenger.....	1,553	2,435	4,226	4,984	4,916	4,959	5,361	6,075	6,451	6,545
Mail (including subsidy).....	110	97	107	175	165	177	152	158	160	154
Express and freight.....	209	381	534	1,011	984	959	913	1,071	1,131	1,451
Other.....	41	150	325	372	325	309	737	671	580	466
Operating expenses.....	1,884	3,059	5,105	6,788	6,574	6,452	6,380	7,486	7,984	8,449
Flying operations.....	515	1,050	1,795	2,775	2,757	2,596	2,490	2,629	2,738	2,386
Maintenance.....	241	383	521	616	540	512	548	677	768	900
General services and administration.....	950	1,345	2,289	2,811	2,752	2,795	3,056	3,436	3,731	4,442
Depreciation and amortization.....	188	212	327	385	382	396	389	446	482	517
Transport related.....	(NA)	88	173	178	144	152	211	297	265	194
Net operating income.....	19	4	86	– 223	– 184	– 17	470	409	319	167

NA Not available. <sup>1</sup> Excludes carriers that report system total only (operating revenues of \$1,033 million in 1981, \$802 million in 1982, \$415 million in 1983, \$682 million in 1984, \$2,649 million in 1985, and \$450 million (preliminary) in 1986; operating expenditures of \$666 million, \$874 million, \$352 million, \$650 million, \$2,613 million, and \$443 million (preliminary) in 1981, 1982, 1983, 1984, 1985, and 1986, respectively.

Source: U.S. Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Financial Statistics*, quarterly.

No. 1024. CERTIFICATED ROUTE AIR CARRIERS—SUMMARY: 1970 TO 1986

[As of Dec. 31 or for calendar years. See text, section 22. Operations between contiguous U.S., Puerto Rico, and outlying areas included with international. See also *Historical Statistics, Colonial Times to 1970*, series Q 577-590 and Q 624-633]

ITEM	Unit	1970	1979	1985	1982	1985	1984	1985	1985
Domestic operators <sup>1</sup> .....	Number.....	35	33	63	96	96	95	106	96
International operators <sup>1</sup> .....	Number.....	6	2						
Employment, total <sup>2</sup> .....	1,000.....	297	290	371	330	329	345	355	422
Pilots, copilots, and other flight personnel .....	1,000.....	33	32	39	35	35	37	40	46
Flight attendants .....	1,000.....	34	39	57	51	58	60	63	88
Mechanics .....	1,000.....	46	45	45	43	40	43	43	48
Aircraft and traffic servicing personnel .....	1,000.....	84	83	122	88	95	101	101	136
Other .....	1,000.....	96	91	108	113	103	104	108	124
Fixed-wing aircraft in operation <sup>3</sup> .....	Number.....	2,421	2,280	2,505	2,468	2,618	2,682	2,869	3,799
Turbojet .....	Number.....	2,041	2,022	2,336	2,377	2,492	2,572	2,740	3,262
Two-engine .....	Number.....	519	500	652	663	974	1,065	1,235	1,494
Three-engine .....	Number.....	631	961	1,311	1,280	1,296	1,277	1,277	1,468
Four-engine .....	Number.....	891	581	373	254	222	230	228	322
Turboprop .....	Number.....	316	193	163	88	118	110	110	416
Piston .....	Number.....	84	45	6	3	8	10	10	101
Average available seats: <sup>4</sup> <sup>5</sup>									
Domestic .....	Number.....	110.4	130.4	143.1	153.0	154.1	153.7	152.5	153.4
International .....	Number.....	154.9	224.8	274.5	283.0	283.6	289.9	296.6	293.1
Average/hr. speed: <sup>6</sup>									
Domestic .....	Mi. per hr....	403	403	405	408	415	414	409	409
International .....	Mi. per hr....	482	482	494	483	491	494	497	493
Jet fuel consumed: <sup>6</sup>									
Domestic .....	Mil. gal.....	7,842	7,558	9,218	8,326	8,556	9,417	10,115	11,103
International .....	Mil. gal.....	2,241	1,949	2,093	1,942	1,970	2,053	2,468	2,580
Revenue-miles flown <sup>6</sup> .....	Millions.....	2,426	2,241	2,616	2,699	2,809	3,133	3,320	3,719
Domestic .....	Millions.....	2,027	1,909	2,471	2,367	2,483	2,786	2,950	3,318
International .....	Millions.....	399	332	345	312	326	347	370	401
Revenue passengers enplaned <sup>6</sup> .....	Millions.....	189	205	297	294	319	345	362	418
Domestic .....	Millions.....	153	189	273	274	297	321	357	393
International .....	Millions.....	16	16	24	20	22	24	25	25
Revenue passenger-miles flown: <sup>6</sup>									
Domestic .....	Billions.....	104.1	131.7	200.6	210.1	226.9	243.7	270.6	301.8
International .....	Billions.....	27.6	31.1	54.4	49.5	54.9	61.4	65.8	64.4
Average passenger-mile rate: <sup>6</sup> <sup>7</sup>									
Domestic .....	Dollars.....	.060	.077	.113	.121	.121	.126	.123	.112
International .....	Dollars.....	.050	.072	.075	.100	.098	.099	.096	.102
Express and freight revenue, ton-miles flown <sup>8</sup> .....	Millions.....	3,515	4,796	5,742	5,482	6,092	6,566	6,020	7,336
Domestic .....	Millions.....	2,216	2,747	3,277	3,039	3,385	3,565	3,133	3,990
International .....	Millions.....	1,299	2,049	2,465	2,443	2,707	3,001	2,887	3,346
Mail, ton-miles flown: <sup>8</sup>									
Domestic .....	Millions.....	715	863	949	1,004	1,065	1,161	1,214	1,247
International .....	Millions.....	548	426	393	400	415	457	445	434
Accidents <sup>9</sup> (scheduled passenger service):									
Total <sup>9</sup> .....	Number.....	39	29	15	15	22	12	18	22
Fatal .....	Number.....	2	2	-	3	4	1	4	1
Fatalities .....	Number.....	3	122	-	233	15	4	197	3

- Represents zero.

<sup>1</sup> The Airline Deregulation Act of 1978 lifted some restrictions on entering new markets. As a result there is no longer a clear distinction between domestic and international operators. Includes all cargo.

<sup>2</sup> Scheduled airlines only. Source: Air Transport Association of America, Washington, DC, *Air Transport Facts and Figures*, annual.

<sup>3</sup> Excludes those used for crew training and general utility purposes, or held for disposal. Beginning 1975, includes aircraft operated by the scheduled all-cargo certificated route air carriers. Beginning in 1986 also includes large aircraft (passenger seating capacity of more than 30 or a payload of more than 7,500 pounds) operated by commuters and air taxis.

<sup>4</sup> Seats per aircraft mile. Passenger seat-miles divided by revenue-miles flown in passenger service.

<sup>5</sup> Scheduled services of all certificated route air carriers; includes all cargo.

<sup>6</sup> Includes all cargo. Beginning 1960 includes very small amount of gasoline.

<sup>7</sup> Passenger revenues divided by revenue passenger-miles flown.

<sup>8</sup> Beginning 1975, includes all scheduled services of U.S. air carriers operating under 14 CFR 121.

<sup>9</sup> Includes mid-air collisions nonfatal to air carrier occupants (excluded in computation of fatal accidents).

Source: Except as noted, U.S. Dept. of Transportation, Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Traffic Statistics*, monthly and *Air Carrier Financial Statistics*, quarterly. Includes data from U.S. National Transportation Safety Board.

## NO. 1025. LARGE AIR TRAFFIC HUBS—SUMMARY: 1985

[In thousands, except number of airports. For calendar year. Air traffic hubs are office and standard metropolitan statistical areas requiring aviation services. A large hub is one which employs at least one percent of the total enplaned revenue passengers in all services and all operations of U.S. certificated route air carriers.]

AREA OR HUB	Air-ports <sup>1</sup>	AIRCRAFT DEPARTURES			Revenue passengers enplaned	ENPLANED REVENUE TONS		
		Total <sup>2</sup>	Scheduled			Total <sup>3</sup>	Freight and express	U.S. mail
			Number	Completed				
Total, all areas	700	5,684.2	5,748.5	5,328.8	361,166.1	4,995.3	3,483.3	1,486.2
Total, 26 large hubs	41	3,439.4	3,487.7	3,396.7	264,507.1	3,130.6	2,048.0	1,080.9
Atlanta, GA	1	283.8	286.5	282.3	20,678.1	291.5	187.2	124.9
Boston, MA	1	101.3	102.1	99.5	9,112.9	118.2	65.5	32.8
Charlotte, NC	1	88.8	89.7	86.4	5,102.7	33.6	18.5	15.1
Chicago, IL	3	322.2	330.2	320.0	22,752.0	402.8	291.4	111.9
Dallas-Ft. Worth, TX	2	258.8	260.8	257.3	20,935.8	147.1	92.3	54.9
Denver, CO	1	177.8	181.3	176.9	13,863.0	100.7	48.4	51.3
Detroit/Ann Arbor, MI	2	125.5	124.0	121.4	7,163.8	123.3	68.8	34.4
Honolulu, HI	1	55.8	60.2	53.0	5,979.7	108.6	61.0	15.6
Houston, TX	2	141.7	144.1	141.3	10,017.4	79.8	56.7	23.1
Las Vegas, NV	1	60.3	60.1	59.2	4,827.1	7.4	4.3	3.1
Los Angeles/Burbank/Long Beach, CA	4	212.8	218.0	209.9	19,532.3	295.1	230.2	64.9
Miami/Ft. Lauderdale, FL	2	115.3	118.0	112.9	10,889.1	135.5	102.9	32.4
Minneapolis/St. Paul, MN	1	112.0	113.8	111.1	7,250.3	101.6	48.2	53.0
Newark, NJ	1	146.1	148.7	144.6	14,272.6	99.0	64.7	24.3
New York, NY	2	207.0	212.8	204.2	19,865.9	342.8	226.1	118.1
Orlando, FL	1	83.4	80.9	80.9	4,846.8	27.2	19.7	7.4
Philadelphia, PA/Camden, NJ	1	73.8	74.3	72.9	4,781.0	81.5	35.9	45.5
Phoenix, AZ	1	101.4	102.1	100.6	6,713.3	23.4	11.2	12.2
Pittsburgh, PA/Whiting, WV	1	109.4	110.1	108.8	7,002.3	38.1	9.9	28.2
St. Louis, MO	1	145.6	147.2	144.5	9,555.2	64.3	36.5	57.8
Salt Lake City, UT	1	57.8	58.2	57.3	4,137.0	35.0	16.7	18.3
San Diego, CA	1	49.5	50.0	49.2	3,930.9	17.2	10.0	7.2
San Francisco/Oakland, CA	2	155.4	158.7	153.4	12,955.8	239.1	178.7	58.3
Seattle/Tacoma, WA	3	83.4	86.6	82.6	5,724.2	107.5	73.0	33.8
Tampa/St. Petersburg/Clearwater/Lakeland, FL	2	81.5	82.2	80.9	4,240.6	25.4	14.5	10.9
Washington, DC	2	129.2	131.2	127.5	9,015.8	75.7	28.7	48.1

<sup>1</sup> Airports serving area or hub. Airports certificated under Federal Aviation Regulation (FAR Part 135) served by scheduled and unscheduled air carriers. <sup>2</sup> Includes completed scheduled and unscheduled. <sup>3</sup> Includes foreign mail, not shown separately.

Source: U.S. Federal Aviation Administration, *Airport Activity Statistics*, annual.

## NO. 1026. AIRLINE COST INDEXES: 1970 TO 1986

[Covers U.S. major and national service carriers. Major carriers have operating revenues of \$1 billion or more; nationals have operating revenues from \$75 million to \$1 billion.]

ITEM	INDEX (1972 = 100)								PERCENT OF CASH OPERATING EXPENSES <sup>1</sup>			
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1975	1980	1986
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1975	1980	1986
Composite	87.2	142.7	242.9	304.9	311.1	312.4	313.4	292.7	100.0	100.0	100.0	100.0
Labor	82.9	129.8	211.3	249.7	266.5	266.3	276.1	269.6	46.0	40.9	35.2	38.2
Interest <sup>2</sup>	99.0	126.0	167.2	188.6	195.5	205.5	198.8	199.7	3.6	2.7	2.9	3.6
Fuel	94.3	250.8	770.3	841.8	762.0	729.1	889.8	472.4	12.6	18.9	29.7	18.4
Passenger food	94.7	120.8	153.8	162.9	168.9	174.5	167.0	167.7	3.9	3.4	2.9	3.4
Advertising and promotion	99.1	102.0	137.6	200.6	204.3	202.9	201.8	205.5	2.6	1.8	1.6	2.4
Landing fees	82.1	135.9	192.3	212.8	214.6	219.0	217.8	241.2	2.2	2.4	1.7	2.0
Passenger traffic commissions	80.1	154.5	318.5	408.2	436.0	476.4	477.0	484.7	2.9	3.8	5.2	8.8
All other	90.4	127.8	184.4	215.2	223.2	232.6	239.9	246.2	26.1	26.1	20.8	27.5

<sup>1</sup> Total operating expenses plus interest on long term debt, less depreciation and amortization. <sup>2</sup> Interest on debt.

Source: Air Transport Association of America, Washington, DC, *Air Transport*, 1986, annual; and unpublished data.

## NO. 1027. COMMUTER/REGIONAL AIRLINE OPERATIONS—SUMMARY: 1976 TO 1986

[Calendar year data. Commuter/regional airlines operate primarily aircraft of predominantly 60 passengers or less and 19,000 pounds of payload capacity serving short haul and small community markets. Represents operations within all North America by U.S. regional carriers. Averages are means. For definition of mean, see Guide to Tabular Presentation.]

ITEM	Unit	1976	1979	1985	1981	1982	1983	1984	1985	1986
Passenger carriers operating	Number	228	227	214	246	215	198	203	179	179
Passengers enplaned	Millions	11.3	14.0	14.8	15.4	18.6	21.8	26.1	28.0	28.4
Average passengers enplaned per carrier	1,000	49.6	61.7	69.2	62.6	86.5	111.2	128.1	152.4	158.4
Revenue passenger miles (RPM)	Billions	1.38	1.77	1.92	2.09	2.61	3.24	4.17	4.41	4.47
Average RPMs per carrier	Millions	5.97	7.88	8.97	8.50	12.14	16.53	20.46	24.64	24.98
Airports served	Number	861	748	732	786	617	654	663	684	694
Average trip length	Miles	121	123	128	136	141	149	160	173	188
Passenger aircraft operated	Number	1,047	1,285	1,339	1,463	1,573	1,545	1,747	1,745	1,808
Average seating capacity (seats)	Number	11.9	12.5	13.9	15.1	15.8	18.1	18.4	18.2	18.4
Fleet flying hours	1,000	1,131	1,380	1,740	1,984	2,160	2,416	2,784	2,864	2,898
Average annual utilization aircraft	Hours	1,080	1,183	1,299	1,363	1,373	1,583	1,582	1,626	1,622

<sup>1</sup> Adjusted to exclude a merger in 1985.

Source: Regional Airline Association, Washington, DC, 1987 Annual Report of the Regional Airline Association (copyright).

## No. 1025. CIVIL FLYING—SUMMARY: 1970 TO 1986

[As of Dec. 31 or for years ending Dec. 31, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series Q 604-623]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986
Airports in operation <sup>1</sup>	Number	11,261	13,251	15,161	15,631	16,029	16,075	16,316	16,582
Heliports	Number	790	1,524	2,336	2,712	2,918	2,980	3,120	3,336
Public	Number	4,260	4,573	4,814	4,805	4,812	4,808	5,861	4,824
Private	Number	7,001	8,678	10,347	11,026	11,217	11,268	10,457	11,658
Airports with runway lights	Number	3,554	4,171	4,738	4,844	4,878	4,889	4,941	4,954
Airports with paved runways	Number	3,805	4,865	5,833	6,223	5,441	5,529	5,721	6,048
Miles of Federal airways	1,000	324.7	403.9	411.1	366.2	364.4	364.8	368.5	332.0
Airport Improvement Program <sup>2</sup>	Mil. dol	50.5	336.9	639.0	407.1	721.5	733.3	842.1	1,615.3
Total civil aircraft	1,000	164.5	196.3	256.4	258.0	264.9	271.5	274.9	275.7
Active aircraft <sup>3</sup>	1,000	134.5	171.2	214.8	214.0	217.5	225.3	215.4	(NA)
Air carriers, total <sup>4</sup>	1,000	2.8	2.5	3.8	4.2	4.2	4.4	4.7	4.6
General aviation aircraft <sup>5</sup>	1,000	131.7	168.5	211.0	209.8	213.3	220.9	210.7	(NA)
Fixed-wing aircraft:									
Multi-engine	1,000	18.4	24.6	31.7	33.2	34.5	35.6	33.6	(NA)
Single-engine:									
4-place and over	1,000	64.6	82.6	107.9	108.5	107.2	106.9	105.6	(NA)
3-place and less	1,000	44.9	54.4	60.5	57.7	59.2	62.0	58.8	(NA)
Rotorcraft <sup>6</sup>	1,000	2.2	4.1	6.0	6.2	6.5	7.1	6.4	(NA)
Balloons, blimps, gliders, etc.	1,000	1.6	2.6	5.0	6.2	5.9	6.3	6.3	(NA)
Alman certificates held	1,000	1,002	1,026	1,195	1,133	1,131	1,149	1,105	1,119
Pilot <sup>7</sup>	1,000	733	726	827	733	718	722	710	709
Held by women	Percent	4.0	5.2	6.4	6.2	6.1	6.1	6.1	6.1
Airline transport	1,000	34	43	70	73	75	79	83	87
Commercial	1,000	167	189	163	165	159	155	152	148
Private	1,000	304	306	357	322	319	320	311	306
Student	1,000	196	177	200	156	147	150	147	150
Nonpilot <sup>8</sup>	1,000	269	300	368	400	413	427	395	410
Ground technicians <sup>9</sup>	1,000	241	271	321	352	365	376	341	353
FAA employees, total	Number	(NA)	56,732	55,340	45,897	46,983	47,178	47,245	46,809
Air traffic control specialists <sup>10</sup>	Number	(NA)	26,790	27,190	20,906	21,271	21,759	22,115	22,036
Full performance <sup>11</sup>	Number	(NA)	(NA)	16,317	9,079	15,458	11,031	11,672	12,533
Developmental <sup>12</sup>	Number	(NA)	(NA)	4,387	6,246	4,848	4,304	3,970	
Assistants <sup>13</sup>	Number	(X)	(X)	(X)	1,166	1,367	1,475	1,485	1,479
Electronic technicians	Number	(NA)	9,149	8,871	8,031	7,833	7,229	6,856	6,800
Aviation safety inspectors	Number	(NA)	2,062	2,036	1,835	1,805	1,945	1,897	2,204
Engineers	Number	(NA)	2,597	2,436	2,238	2,313	2,419	2,457	2,417
Other	Number	(NA)	16,114	14,805	13,867	13,971	13,626	13,920	13,562
General aviation: <sup>14</sup>									
Hours flown	Million	26.0	32.0	41.0	36.5	35.2	36.1	34.1	(NA)
Fuel consumed: <sup>15</sup>									
Gasoline	Mil. gal	362	397	520	448	426	462	420	(NA)
Jet fuel <sup>16</sup>	Mil. gal	416	510	796	887	613	736	891	(NA)
Aircraft accidents: <sup>17</sup>									
General aviation <sup>18</sup>	Number	4,712	3,995	3,590	3,231	3,080	3,011	2,745	2,566
Fatal	Number	641	633	618	589	564	545	500	466
Rate per 100,000 aircraft hours flown	Rate	(NA)	2.20	1.70	1.84	1.78	1.73	1.63	1.53
Fatalities	Number	1,310	1,252	1,239	1,182	1,061	1,114	957	958
Air carrier <sup>19</sup>	Number	56	29	15	15	22	12	18	22
Fatal	Number	8	2	-	3	4	1	4	1
Rate per 1,000,000 aircraft miles flown	Rate	(NA)	.001	-	.001	.001	.0003	.001	.001
Fatalities	Number	146	122	-	233	15	4	197	3
Commuter air carriers <sup>20</sup>	Number	(NA)	48	38	26	18	22	22	14
Fatal	Number	(NA)	12	8	5	2	7	7	2
Rate per 1,000,000 aircraft miles flown	Rate	(NA)	.07	.04	.02	.01	.02	.02	.01
Fatalities	Number	(NA)	26	37	14	11	48	37	4
Air taxis <sup>21</sup>	Number	(NA)	152	171	132	140	146	152	110
Fatal	Number	(NA)	24	46	31	27	23	35	31
Rate per 100,000 aircraft hours flown	Rate	(NA)	.95	1.27	.96	1.05	.75	1.26	1.12
Fatalities	Number	(NA)	60	105	72	62	52	76	64
Hijacking incidents, worldwide	Number	83	25	40	31	33	22	35	12
U.S.-registered aircraft	Number	27	12	22	10	16	3	4	4
Successful <sup>22</sup>	Number	16	4	13	4	13	2	2	-
Foreign-registered aircraft	Number	56	13	18	21	15	19	31	8
Successful <sup>23</sup>	Number	37	3	9	12	6	16	18	2

- Represents or rounds to zero. NA Not available. X Not applicable. <sup>1</sup> Existing airports, heliports, seaplane bases, etc. recorded with FAA. Includes military airports with joint civil and military use. Includes U.S. outlying areas. Airport-type definitions: Public—publicly owned and under control of a public agency; private—owned by a private individual or corporation. May or may not be open for public use. <sup>2</sup> Fiscal year data. Does not include System Planning Grants. Includes U.S. outlying areas. 1970-1982 data are obligated Federal funds for the Airport Development Aid Program. 1983-1986 data are appropriated Federal funds under the Airport and Airway Improvement Act of 1982. <sup>3</sup> Registered aircraft that flew 1 or more hours during the year. <sup>4</sup> Includes helicopters. <sup>5</sup> See text, section 22. <sup>6</sup> Includes autogyros, excludes air carrier helicopters. <sup>7</sup> Includes all active pilots. An active pilot is one with a pilot certificate and a valid medical certificate. Also includes pilots who held only a helicopter, glider, or lighter-than-air certificate, not shown separately. <sup>8</sup> Includes dispatchers, flight navigators and engineers, and ground technicians—mechanics, parachute riggers, and ground instructors. <sup>9</sup> No medical examinations are required, therefore, data represent all certificates on record and include retired or otherwise inactive technicians. <sup>10</sup> Includes staff positions, managers, and supervisors not shown separately. <sup>11</sup> Serving in-flight service stations, towers, and centers. <sup>12</sup> Sources: 1970 and 1975, U.S. Bureau of Mines; 1980-1985 FAA General Aviation Activity and Avionics Survey. <sup>13</sup> Includes strobe-type and naptha-type jet fuels. <sup>14</sup> Data from National Transportation Safety Board. <sup>15</sup> Beginning 1975, includes all scheduled service of U.S. Air Carriers operating under 14 CFR 121. <sup>16</sup> Beginning 1975, includes all scheduled service of U.S. Air Carriers operating under 14 CFR 135. <sup>17</sup> Beginning in 1975, includes all nonscheduled service of the U.S. Air Carriers operating under 14 CFR 135. <sup>18</sup> Hijacker controls flight and reaches destination or objective.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual; and unpublished data. Includes data from U.S. Department of Transportation, Research and Special Programs Administration.

## No. 1029. U.S. AIRCRAFT SHIPMENTS: 1970 TO 1987

(Value in millions of dollars)

YEAR	TOTAL		CIVIL						MILITARY	
	Units	Value	Large transports <sup>1</sup>		General aviation <sup>2</sup>		Helicopters		Units	Value
			Units	Value	Units	Value	Units	Value		
1970	11,832	7,511	311	3,158	7,282	337	495	48	3,534	3,987
1975	16,918	9,355	285	4,006	14,056	1,033	838	268	1,739	4,050
1980	14,880	18,845	383	9,793	11,877	2,486	1,353	874	1,047	5,882
1981	11,880	20,157	386	9,731	9,457	2,920	953	836	1,062	6,870
1982	6,248	19,266	236	6,254	4,266	2,000	587	305	1,159	10,647
1983	4,407	25,232	262	8,493	2,691	1,470	401	299	1,053	15,000
1984	3,932	25,471	188	6,343	2,438	1,666	376	330	930	17,100
1985	3,620	31,496	273	9,375	2,033	1,435	384	506	930	20,180
1986 <sup>3</sup>	3,079	34,168	329	11,120	1,496	1,280	330	288	825	21,500
1987 <sup>4</sup>	2,775	34,740	340	12,200	1,225	1,100	315	340	895	21,100

<sup>1</sup> Capacity over 70 seats. <sup>2</sup> Includes aircraft kits for exports. <sup>3</sup> Estimated. <sup>4</sup> Forecast.Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook, 1987*.

## No. 1030. EMPLOYMENT AND EARNINGS IN AIRCRAFT INDUSTRIES: 1970 TO 1986

(Annual averages of monthly figures)

SIC CODE	ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986
(x)	Employment:									
3721	Total	1,000	664	807	783	732	720	748	814	877
3721	Aircraft	1,000	371	293	349	320	305	305	326	339
3724	Aircraft engines and engine parts	1,000	(NA)	126	163	148	140	140	148	153
3726	Aircraft equipment, n.e.c. <sup>3</sup>	1,000	(NA)	85	111	132	134	148	163	183
376	Guided missiles, space vehicles, and parts	1,000	(NA)	93	111	131	141	154	177	202
(x)	Average weekly earnings: <sup>2</sup>									
3721	Aircraft	Dollars	169	256	404	485	(NA)	(NA)	(NA)	(NA)
3724	Aircraft engines and parts	Dollars	(NA)	247	394	454	476	523	542	581
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	245	376	447	481	498	513	518
(x)	Average hourly earnings: <sup>2</sup>									
3721	Aircraft	Dollars	4.17	6.21	9.66	11.66	(NA)	12.91	13.18	12.48
3724	Aircraft engines and parts	Dollars	(NA)	6.04	9.42	11.18	11.51	12.40	12.65	13.08
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	6.02	9.22	10.95	11.51	11.68	12.09	12.21

NA Not available. X Not applicable. <sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> N.e.c.—not elsewhere classified. <sup>3</sup> For production workers. <sup>4</sup> Excludes lump-sum payments. Earnings include proration of lump-sum payments: \$13.11 in 1984; \$13.40 in 1985; \$13.76 in 1986.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

## No. 1031. AEROSPACE INDUSTRY—SUMMARY: 1975 TO 1987

(For calendar year, except employment and earnings annual averages of monthly figures. Includes Standard Industrial Classification Codes 372 and 376. Industry shipments refer to the total value of all products shipped by establishments classified in that industry. Product shipments refer to the total value of specific products shipped, irrespective of how the establishments which made them are classified.)

ITEM	Unit	1975	1979	1985	1981	1982	1982	1984	1986	1986 <sup>1</sup>	1987 <sup>2</sup>
INDUSTRY DATA											
Value of shipments	ML. dol.	29,055	48,278	58,463	64,837	66,468	74,823	77,826	80,795	86,576	102,534
In 1982 dollars	ML. dol.	58,283	66,567	71,886	71,145	66,468	70,876	71,542	82,808	85,010	87,802
Employment, total	1,000	586	662	721	732	695	680	683	746	788	782
Production workers	1,000	312	374	387	377	349	341	344	372	381	387
Average hourly earnings	Dol.	6.53	8.91	9.80	11.19	12.23	13.08	13.24	13.68	13.93	(NA)
Capital expenditures	ML. dol.	478	1,550	1,823	2,005	2,143	2,158	3,050	3,784	(NA)	(NA)
PRODUCT DATA											
Value of shipments	ML. dol.	26,534	49,883	53,295	58,958	60,024	66,228	70,200	80,825	67,002	89,801
In 1982 dollars	ML. dol.	54,316	60,296	65,479	64,762	60,024	62,631	64,400	73,295	76,580	78,408
Shipments price index	1982=100	48.4	71.8	80.8	90.8	100.0	105.8	108.7	109.7	113.5	117.9
TRADE DATA											
Value of imports	ML. dol.	747	1,386	3,180	4,325	4,242	3,455	4,917	6,083	7,886	8,399
Value of exports	ML. dol.	7,354	11,520	15,428	17,523	15,335	15,819	15,081	18,726	19,728	20,266

NA Not available. <sup>1</sup> Estimated. <sup>2</sup> Forecast.Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook, 1987*.

# Aerospace Sales and New Orders—Exports of Vehicles and Equipment 597

## No. 1032. AEROSPACE—SALES, NEW ORDERS, AND BACKLOG: 1970 TO 1986

In billions of dollars, except as indicated. Reported by establishments in which the principal business is the development and/or production of aerospace products]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Net sales	24.8	29.5	58.4	69.9	75.5	83.5	88.9	100.5	106.8
Percent of U.S. Government	88.3	88.7	45.6	47.2	55.9	58.8	62.7	63.2	61.9
Complete aircraft and parts <sup>1</sup>	10.4	11.3	22.6	25.1	23.2	27.3	28.3	34.2	38.0
Aircraft engines and parts	3.1	3.4	6.9	8.5	8.7	8.8	9.1	9.7	9.8
Missiles and parts	5.4	6.3	6.4	4.7	5.7	12.7	13.6	16.7	17.5
Other products, services	5.9	8.5	20.5	31.8	37.9	34.8	38.0	39.8	40.3
Net new orders	21.2	29.0	70.4	72.7	64.9	91.6	104.9	111.0	110.8
Backlog, Dec. 31	24.7	35.0	80.5	93.4	103.5	116.8	132.5	143.0	148.2

<sup>1</sup> Except engines sold separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-37D.

## No. 1033. AEROSPACE INDUSTRY SALES, BY PRODUCT GROUP AND CUSTOMER: 1970 TO 1986

[In billions of dollars. Due to reporting practices and tabulating methods, figures may differ from those in table 1032]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS <sup>2</sup>					
	1970	1975	1980	1984	1985	1986 <sup>1</sup>	1970	1975	1980	1984	1985	1986 <sup>1</sup>
Total sales	25.6	29.7	54.7	63.5	66.6	103.6	66.9	58.0	68.1	76.7	87.5	91.1
PRODUCT GROUP												
Aircraft, total	14.1	18.4	31.5	41.9	50.5	53.2	38.5	31.0	39.2	38.5	45.9	46.8
Civil <sup>3</sup>	4.4	5.5	16.3	10.7	13.7	15.2	12.0	12.2	20.3	9.8	12.5	13.4
Military	9.7	12.9	15.2	31.2	36.8	38.0	26.5	18.8	18.9	28.7	33.4	33.4
Rotorcraft	4.1	3.8	5.5	11.3	11.4	12.6	11.2	7.1	8.1	10.4	10.4	11.1
Space	4.7	4.7	7.9	16.3	15.6	20.5	12.9	8.8	9.9	15.0	18.9	18.0
Related products and services <sup>4</sup>	2.8	4.8	5.8	13.9	16.1	17.2	7.1	9.1	10.9	12.8	14.8	15.2
CUSTOMER GROUP												
Aerospace, total	22.9	24.9	45.9	66.6	60.5	86.3	47.0	57.1	63.9	73.2	78.0	78.0
DOD <sup>5</sup>	14.8	19.1	22.8	48.0	53.2	58.4	39.9	24.8	28.4	42.9	48.4	51.5
NASA <sup>6</sup> and other agencies	3.0	2.8	4.1	6.1	5.3	6.6	8.2	5.3	5.1	5.6	5.7	5.8
Other customers <sup>7</sup>	5.3	8.9	19.0	17.5	21.0	21.3	14.5	18.9	23.6	15.1	19.1	18.7
Related products and services <sup>4</sup>	2.8	4.8	5.8	13.9	16.1	17.2	7.1	9.1	10.9	12.8	14.8	15.2

<sup>1</sup> Preliminary. <sup>2</sup> Based on aerospace composite price deflator supplied by the U.S. International Trade Administration. <sup>3</sup> All civil sales of aircraft (domestic and export sales of jet transports, commuters, business and personal aircraft and helicopters). <sup>4</sup> Electronics, software, and ground support equipment, plus sales of non-aerospace products which are produced by aerospace-manufacturing establishments and which use technology, processes, and materials derived from aerospace products. <sup>5</sup> Department of Defense. <sup>6</sup> National Aeronautics and Space Administration. <sup>7</sup> Includes civil aircraft sales (see footnote 3), commercial space sales, all exports of military aircraft and missiles and related propulsion and parts.

Source: Aerospace Industries Association of America, Inc., Washington, DC, *Aerospace Facts and Figures*, 1987/88.

## No. 1034. U.S. EXPORTS OF AEROSPACE VEHICLES AND EQUIPMENT: 1980 TO 1987

ITEM	NUMBER OF UNITS					VALUE (mil. dol.)				
	1980	1984	1985	1986	1987 <sup>1</sup>	1980	1984	1985	1986	1987 <sup>1</sup>
Aerospace vehicles and equipment, total	(NA)	(NA)	(NA)	(NA)	(NA)	15,881	15,881	18,728	15,727	20,286
Civil aircraft, total	4,434	1,045	1,060	1,326	1,197	8,378	4,147	6,694	7,365	8,980
Under 10,000 lbs. empty weight, new	3,150	407	485	426	490	857	148	147	174	170
10,000-33,000 lbs. empty weight, new	28	16	10	38	25	83	97	44	69	50
Over 33,000 lbs. empty weight, new	237	65	152	158	152	8,849	3,220	5,518	6,278	5,800
Rotary wing, new	525	233	137	210	210	299	234	210	277	360
Other new aircraft, n.e.c. <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	5	157	442	68	180
Used, rebuilt, and converted	484	304	277	454	320	486	293	333	501	400
Military aircraft, total	502	351	322	405	325	649	1,581	2,012	1,502	1,560
Aircraft engines and parts, total	(NA)	(NA)	(NA)	(NA)	(NA)	1,897	2,984	3,283	3,660	3,945
Internal combustion and parts	(NA)	(NA)	(NA)	(NA)	(NA)	270	289	303	325	325
Military new and used	110	90	72	144	85	4	16	2	3	8
Non-military new	1,848	965	984	1,060	1,020	25	16	20	21	18
Non-military used	1,365	1,198	1,402	1,415	1,200	17	20	24	21	21
Parts, n.e.c. <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	224	217	257	280	280
Turbines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	1,616	2,715	2,980	3,336	3,620
Military, new or used	254	306	244	135	200	59	125	144	106	150
Non-military new and used	1,393	1,264	2,317	1,342	1,400	514	1,021	880	944	1,070
Parts, n.e.c. <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	1,044	1,569	1,956	2,283	2,400
Missile engines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	29	28	34	33	40
Propellers and parts	(NA)	(NA)	(NA)	(NA)	(NA)	57	37	55	49	70
Landing gear and parts	(NA)	(NA)	(NA)	(NA)	(NA)	92	124	102	127	130
Aircraft parts and accessories, n.e.c. <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	3,436	4,931	5,449	5,960	6,300
Guided missiles and space vehicles	(NA)	(NA)	(NA)	(NA)	(NA)	327	288	404	303	440
Flight simulators	(NA)	(NA)	(NA)	(NA)	(NA)	54	117	82	126	140
Space vehicle equipment, n.e.c. <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	392	646	387	322	400
Antennas	(NA)	(NA)	(NA)	(NA)	(NA)	60	198	224	280	310

NA Not available. <sup>1</sup> Forecast. <sup>2</sup> N.e.c. means not elsewhere classified.

Source: U.S. Dept. of Commerce, International Trade Administration, *U.S. Industrial Outlook*, annual.



## No. 1035. U.S. RECEIPTS AND PAYMENTS FOR INTERNATIONAL TRANSPORTATION: 1970 TO 1986

[In millions of dollars. Data are international transportation transactions recorded for balance of payment purposes (see table 1329). Receipts include freight on exports carried by U.S.-operated carriers and foreign carrier expenditures in U.S. ports. Payments include freight on imports carried by foreign carriers and U.S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U.S. imports carried by U.S. carriers is a domestic rather than an international transaction. Minus sign (-) indicates excess of payments over receipts. See *Historical Statistics, Colonial Times to 1970*, series U 3 and U 10, for totals.]

ITEM	1970	1975	1979	1986	1981	1982	1983	1984	1985	1986
<b>Total receipts</b>	<b>3,089</b>	<b>6,579</b>	<b>12,127</b>	<b>14,306</b>	<b>16,571</b>	<b>16,461</b>	<b>15,627</b>	<b>16,837</b>	<b>17,106</b>	<b>16,792</b>
Ocean transportation	2,206	4,065	6,569	7,757	6,029	7,665	6,133	6,848	6,919	6,386
Export freight earnings	804	1,163	2,091	2,641	2,803	2,549	2,681	2,702	2,666	2,609
Freight earnings on shipments between foreign countries	200	326	480	569	581	655	575	563	574	579
Port expenditures	1,406	2,461	4,235	4,435	4,552	4,466	4,562	5,457	5,247	6,070
Charter hire	37	73	62	93	112	113	115	127	132	140
Air transportation	1,240	2,515	4,811	5,946	7,180	7,326	7,023	7,473	7,866	8,495
Export freight earnings	187	390	577	742	752	782	678	645	706	783
Passenger fares	641	1,039	2,196	2,691	3,111	3,174	3,037	3,029	3,040	3,562
Port expenditures	512	1,066	2,078	2,613	3,297	3,390	3,410	3,800	4,080	4,150
Other transportation	173	299	446	505	463	480	471	515	461	682
<b>Total payments</b>	<b>4,069</b>	<b>7,871</b>	<b>14,899</b>	<b>15,387</b>	<b>15,961</b>	<b>16,462</b>	<b>17,798</b>	<b>21,945</b>	<b>23,166</b>	<b>23,941</b>
Ocean transportation	2,360	4,465	6,379	6,447	6,900	6,307	6,624	10,560	11,210	11,960
Import freight payments	1,444	3,047	6,064	5,809	6,073	5,562	5,627	7,755	8,306	9,076
Passenger fares	245	276	256	266	267	290	305	305	320	320
Port expenditures	316	755	1,607	1,905	2,054	1,857	1,950	1,972	2,048	2,025
Charter hire	375	385	430	465	486	489	512	526	536	538
Air transportation	1,581	3,346	5,448	6,705	7,785	7,936	8,842	10,542	11,729	11,881
Import freight payments	115	246	506	562	671	725	1,066	1,833	1,663	2,059
Passenger fares	970	1,865	2,926	3,339	4,260	4,462	5,179	6,197	6,993	6,522
Port expenditures	496	1,115	2,016	2,804	2,914	2,731	2,597	2,712	3,053	3,100
Other transportation	97	180	263	245	276	237	240	243	226	300
<b>Receipts balance</b>	<b>360</b>	<b>-1,062</b>	<b>-1,362</b>	<b>-1,196</b>	<b>-1,390</b>	<b>-661</b>	<b>-2,679</b>	<b>-4,098</b>	<b>-6,060</b>	<b>-5,169</b>

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June issues, and unpublished data.

## No. 1036. EXPORTS AND IMPORTS, BY METHOD OF TRANSPORT: 1970 TO 1986

[Exports are free alongside ship (f.a.s.) value (see text, section 20) for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years. Export data include both domestic and foreign; import data for general imports only. For details, see source.]

ITEM	Unit	EXPORTS						IMPORTS					
		1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
All methods <sup>1</sup>	Bil. dol.	43.2	107.6	220.7	217.9	213.1	217.3	40.0	96.9	240.8	325.7	345.3	370.0
Vessel	Bil. dol.	24.6	63.4	120.9	102.0	91.7	90.1	24.6	63.5	165.1	193.0	206.4	221.6
Air	Bil. dol.	6.1	15.2	46.1	53.4	52.3	63.4	3.4	8.9	26.0	52.3	51.3	62.0
Shipping weight: Vessel	Bil. lb.	480.5	538.5	601.8	750.0	700.5	653.3	588.4	855.3	976.8	832.2	797.0	914.2
Air	Bil. lb.	.9	1.4	2.3	2.2	1.8	2.1	.8	1.1	1.3	3.1	2.9	2.6

<sup>1</sup> Includes types other than vessel and air.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 900, monthly.

## No. 1037. FEDERAL EXPENDITURES FOR CIVIL FUNCTIONS OF THE CORPS OF ENGINEERS, UNITED STATES ARMY: 1960 TO 1986

[In millions of dollars. For fiscal years ending in year shown, see text, section 9. These expenditures represent the work of the Corps of Engineers to plan, design, construct, operate, and maintain civil works projects and activities, particularly in the management and improvement of rivers, harbors, and waterways for navigation, flood control, and multiple purposes. The amounts listed below do not include the expenditure of funds contributed, advanced, or reimbursed by other government agencies or local interests. Includes Puerto Rico and outlying areas.]

FISCAL YEAR	Total program <sup>1</sup>	Navigation	Flood control	Multiple purpose	FISCAL YEAR	Total program <sup>1</sup>	Navigation	Flood control	Multiple purpose
1960	673	310	283	270	1960	3,081	1,226	1,236	551
1965	1,199	436	447	263	1961	3,189	1,339	1,273	527
1970	1,126	366	379	331	1962	2,940	1,331	1,083	453
1975	2,070	664	904	439	1963	2,959	1,293	1,083	462
1977	2,340	782	918	544	1964	3,085	1,363	1,164	446
1978	2,645	951	1,068	563	1965	2,956	1,234	1,197	419
1979	2,934	1,063	1,218	577	1966	3,163	1,266	1,377	401

<sup>1</sup> Includes expenditures which are not associated with a specific purpose (e.g., headquarters staff supervision, management, and administration activities, and some research and development activities).

Source: U.S. Army Corps of Engineers, *Report of Civil Works Expenditures by State and Fiscal Year*, annual.

## NO. 1039. FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1960 TO 1985

(In billions of ton-miles. Excludes Alaska and Hawaii, except as noted. Includes waterways, canals, and connecting channels)

SYSTEM	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	320.3	318.8	372.9	388.3	408.3	424.6	408.9	410.2	381.2	388.0	398.0	381.7
Atlantic coast waterways	28.6	28.8	32.1	30.4	30.5	31.9	30.4	28.3	25.4	22.5	24.7	24.6
Gulf coast waterways	16.9	28.8	34.3	37.8	37.1	38.1	38.8	35.1	31.8	32.4	36.7	36.5
Pacific coast waterways	6.0	6.4	11.9	12.8	13.6	14.1	14.9	14.4	12.8	13.2	20.5	19.9
Mississippi River system <sup>1</sup>	89.3	136.5	189.5	196.9	209.3	218.8	228.9	234.4	218.0	223.0	234.6	224.7
Great Lakes System <sup>2</sup>	99.5	114.5	105.6	90.7	118.9	121.7	98.0	98.0	83.2	87.9	82.5	75.8

<sup>1</sup> Includes Alaskan waterways. <sup>2</sup> Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers. <sup>3</sup> Does not include traffic between foreign ports.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

## NO. 1039. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE AND VALUE, BY COASTAL DISTRICT: 1970 TO 1985

(Exports are free alongside ship (f.a.s.) value for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years see text, section 28. Includes commodities classified for security reasons as "Special Category" (exports only) and exports by Dept. of Defense (grant-aid shipments), and merchandise shipped in transit through the U.S. See Appendix III)

DISTRICT	CARGO TONNAGE (mil. sh. tons)							VALUE (bil. dol.)						
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1983	1984	1985	1986
Imports:														
Atlantic	219	232	183	171	197	190	218	15.0	34.7	71.5	75.5	92.6	94.4	97.5
Gulf	47	134	243	140	155	141	171	2.9	14.3	58.4	32.5	36.7	32.8	27.0
Pacific	31	84	58	44	47	51	53	5.5	15.2	45.0	53.9	70.8	80.4	104.0
Great Lakes	26	22	18	18	18	17	14	1.3	1.7	1.9	2.0	2.7	2.8	2.3
Exports:														
Atlantic	79	80	117	87	82	93	83	11.9	28.7	51.0	41.2	37.5	35.2	38.3
Gulf	79	106	183	184	187	144	135	6.9	21.4	41.5	38.0	37.3	31.8	29.0
Pacific	48	49	78	78	88	81	82	4.1	10.0	25.2	25.1	27.2	25.8	26.3
Great Lakes	38	35	45	32	41	34	32	1.4	2.8	4.8	2.8	3.4	2.4	1.0

Source: U.S. Bureau of the Census, *U.S. Waterborne Exports and General Imports*, FT 886, annual.

## NO. 1040. DOMESTIC AND FOREIGN WATERBORNE COMMERCE, BY TYPE OF COMMODITY: 1970 TO 1985

(In millions of short tons. Domestic trade includes all commercial movements between U.S. ports and on inland rivers, Great Lakes, canals, and connecting channels of U.S., Puerto Rico, and Virgin Islands. Figures may differ from those shown in table 1039 due to minor differences in basic concepts)

COMMODITY	1970		1975		1980		1988			
	Total	Domestic	Total	Domestic	Total	Domestic	Total	Domestic	Foreign	
									Imports	Exports
Net total	1,531.7	988.7	1,986.0	948.3	1,988.9	1,077.5	1,788.4	1,014.1	412.7	381.6
Petroleum products <sup>1</sup>	394.7	287.3	407.8	328.5	423.2	339.2	398.8	259.0	74.1	35.7
Gasoline	89.3	88.7	95.7	82.2	87.3	81.0	94.0	78.0	15.2	.9
Distillate fuel oil	78.8	78.9	93.4	87.0	74.8	72.1	70.0	55.0	11.0	4.0
Residual fuel oil	170.5	78.8	172.1	111.5	188.0	141.3	130.0	63.7	33.7	12.6
Crude petroleum	210.5	118.3	333.8	77.9	480.2	174.2	367.7	194.7	163.0	-
Coal and lignite	225.4	154.1	219.0	152.8	258.4	184.1	273.9	179.9	1.7	92.3
Nonmetallic minerals <sup>2</sup>	188.6	132.8	159.2	123.3	157.1	111.6	150.7	108.5	22.6	18.4
Sand and gravel <sup>3</sup>	78.4	73.9	72.4	67.9	65.1	60.8	68.4	62.0	2.7	1.7
Limestone	42.0	34.1	37.8	29.1	34.2	23.9	24.5	21.9	.5	2.1
Phosphate rock	16.6	5.8	20.1	9.4	23.7	8.5	19.4	8.4	.1	10.9
Iron and concentrates	129.3	75.2	121.4	89.3	98.4	64.9	72.7	50.0	17.1	5.6
Farm products <sup>4</sup>	80.4	29.5	144.3	43.1	216.8	83.4	172.8	80.0	8.7	108.1
Corn	27.2	11.7	58.8	20.8	98.8	30.8	78.3	29.0	1	47.2
Wheat	25.0	5.8	44.4	10.4	53.4	14.3	38.0	10.6	1	27.3
Soybeans	21.2	8.3	23.2	9.4	39.6	16.1	32.9	14.9	-	16.0
Chemicals and allied products	62.0	38.7	68.5	40.0	91.9	48.4	108.5	53.3	25.2	30.0
Food and kindred products	35.0	11.0	35.5	13.3	54.8	20.4	52.5	17.8	14.5	20.4
Timber and wood products <sup>5</sup>	49.9	27.3	48.2	24.7	52.0	22.7	47.2	18.8	4.8	23.6
Primary metal products	42.4	10.8	38.1	9.3	28.9	9.0	33.4	8.5	23.8	1.3
Waste and scrap	25.9	16.0	28.0	18.8	31.1	18.8	37.4	23.9	.4	13.1
Misc	68.7	51.9	93.5	45.5	108.1	39.6	112.8	40.0	68.9	19.9

- Represents zero. <sup>1</sup> Includes categories not shown separately. <sup>2</sup> Excludes fuels. <sup>3</sup> Includes crushed rock. <sup>4</sup> Excludes furniture.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

### No. 1041. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY FLAG OF CARRIER VESSEL: 1961 TO 1986

[In millions of net tons, except as indicated. Includes Puerto Rico and Virgin Islands. Seaports comprise all ports except Great Lakes ports. See also *Historical Statistics, Colonial Times to 1970*, series Q 507-517]

YEARLY AVERAGE OR YEAR	ALL PORTS					SEAPORTS					
	Number of vessels	Tonnage, all vessels				Tonnage, all vessels			Tonnage, with cargo		
		Total	U.S.	Per-cent U.S.	Foreign	Total	U.S.	Foreign	Total	U.S.	Foreign
<b>Entered:</b>											
1961-1965	49,570	188	33	17.9	155	188	30	158	188	19	169
1966-1970	53,469	232	29	12.5	203	206	27	180	187	18	169
1971-1975	53,780	319	30	9.5	289	292	26	266	220	24	196
1976-1980	53,700	458	40	8.7	418	425	38	387	316	30	286
1981-1985	50,124	452	57	12.4	395	424	56	368	277	58	219
1970	53,293	254	26	10.3	228	227	24	202	171	19	152
1975	51,443	355	32	9.8	323	326	30	297	240	28	212
1980	53,645	492	52	10.6	440	480	50	410	310	34	276
1983	47,144	442	62	14.0	380	416	60	356	262	39	223
1984	49,239	459	53	11.5	406	429	51	378	291	33	258
1985	53,531	481	53	11.7	398	426	52	374	289	34	245
1986	56,859	489	49	10.0	439	483	46	415	310	32	278
<b>Cleared:</b>											
1961-1965	48,066	166	34	17.9	132	166	30	137	66	20	76
1966-1970	52,416	232	30	12.8	202	206	27	179	122	23	99
1971-1975	53,039	324	31	9.9	293	296	29	267	149	21	127
1976-1980	52,931	453	41	9.1	412	420	36	382	203	28	177
1981-1985	50,291	480	57	12.4	403	432	55	377	251	34	217
1970	52,195	253	27	10.6	226	226	26	201	132	20	112
1975	51,017	363	34	10.3	329	334	31	303	188	23	144
1980	52,828	487	54	11.1	433	456	51	405	246	33	213
1983	47,498	449	62	13.8	387	423	60	363	247	36	211
1984	49,819	469	54	11.5	414	436	51	387	250	32	218
1985	53,095	461	55	11.9	406	435	53	382	253	36	217
1986	55,710	461	51	10.4	441	466	49	417	246	33	212

Source: U.S. Bureau of the Census, through 1985, *Foreign Commerce and Navigation of the United States*; thereafter, *Vessel Entrances and Clearances*, FT 975, annual.

### No. 1042. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY COASTAL DISTRICTS: 1970 TO 1986

[In millions of net tons. Excludes domestic trade. Virgin Islands and Puerto Rico included in South Atlantic Coast, Hawaii in South Pacific Coast, Alaska in North Pacific Coast]

COASTAL DISTRICT	VESSELS ENTERED						VESSELS CLEARED					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
North Atlantic Coast	102.1	114.2	118.6	116.2	114.5	121.4	69.9	116.6	115.2	107.0	110.6	116.2
With cargo	85.4	92.3	92.1	93.4	95.9	99.9	43.7	50.6	57.8	47.1	52.7	47.9
South Atlantic Coast	36.1	48.0	65.3	69.8	68.2	77.6	31.3	48.0	60.1	62.7	63.3	70.3
With cargo	27.1	33.8	41.9	42.7	44.3	44.0	11.9	14.3	22.4	24.6	25.6	25.9
Gulf Coast	36.1	89.1	172.7	138.5	127.4	146.6	42.8	98.1	175.0	144.6	134.9	153.1
With cargo	23.0	60.8	122.8	91.5	84.6	103.1	36.6	54.2	65.0	79.1	73.5	73.4
South Pacific Coast	27.5	38.4	53.3	60.9	65.4	66.1	27.7	41.2	45.1	56.6	59.4	60.6
With cargo	21.8	32.4	38.0	41.0	44.0	45.2	20.9	24.0	31.7	44.9	45.0	44.3
North Pacific Coast	24.9	36.8	50.8	48.5	50.0	51.4	24.3	33.8	60.3	64.6	66.7	65.9
With cargo	13.6	21.1	26.6	22.1	23.7	27.8	19.0	24.5	49.0	54.7	56.0	54.1
Great Lakes	27.5	26.8	31.1	30.1	26.3	25.4	27.2	29.4	31.5	30.0	29.1	25.1
With cargo	15.2	14.0	11.3	13.5	11.6	11.7	20.2	21.2	23.7	23.1	20.7	18.8

Source: U.S. Bureau of the Census, *Vessel Entrances and Clearances*, FT 975, annual.

### No. 1043. DOMESTIC MERCHANT VESSELS COMPLETED BY U.S. SHIPYARDS: 1970 TO 1986

[Vessels of 1,000 gross tons and over. See also *Historical Statistics, Colonial Times to 1970*, series Q 436-446]

TYPE	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Merchant vessels	Number	13	15	16	17	14	15	10	12	11	13	5	9
Gross tons	1,000	342	452	616	684	912	1,149	375	275	337	376	118	172
Cargo	Number	6	3	4	2	2	4	6	2	6	6	-	4
Gross tons	1,000	120	65	57	25	27	53	106	53	221	228	-	119
Deadweight tons	1,000	194	71	78	37	30	47	114	73	219	219	-	97
Tankers	Number	7	12	12	15	12	11	4	10	5	7	5	4
Gross tons	1,000	222	367	658	859	865	1,096	270	222	116	148	118	69
Deadweight tons	1,000	427	742	1,176	1,806	1,392	1,901	354	356	226	277	210	82

- Represents zero.

Source: U.S. Maritime Administration, *New Ship Construction*, annual.

### NO. 1044. UNITED STATES FLAG MERCHANT VESSELS—NUMBER AND VESSEL DEADWEIGHT TONNAGE: 1970 TO 1986

(Deadweight tonnage in thousands. As of end of fiscal year; see text, section 8. Covers ocean-going vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types such as tug, barges, cable ships, fishing trawlers, and vessels employed on Great Lakes. See also *Historical Statistics, Colonial Times to 1970*, series Q 467-502)

ITEM	CARGO <sup>1</sup>						TANKER					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Number of vessels	1,479	812	563	477	486	484	301	279	210	272	263	254
Active:												
Foreign trade	354	228	195	122	129	123	32	39	32	38	32	33
Domestic trade <sup>2</sup>	70	48	46	41	36	37	175	156	211	142	135	131
Coastwise	10	17	12	5	4	5	132	136	103	25	24	43
Noncontiguous	43	29	34	30	30	29	35	12	45	47	52	43
Special service	146	34	44	38	45	41	42	28	23	27	26	26
Inactive:												
Temporarily	41	38	31	62	58	55	22	31	24	51	50	42
Reserve fleet	588	263	237	214	217	228	30	27	20	14	20	22
Vessel deadweight tonnage	15,445	8,178	7,872	7,878	8,792	8,106	7,835	8,433	18,107	16,088	15,847	15,383
Active:												
Foreign trade	4,689	3,901	3,826	3,108	3,823	3,468	1,076	2,303	2,793	2,324	1,825	2,007
Domestic trade <sup>2</sup>	850	832	713	813	659	775	4,518	4,865	10,548	8,793	8,909	8,898
Coastwise	116	354	200	148	108	153	3,483	4,299	3,078	1,170	1,028	1,838
Noncontiguous	482	424	479	481	509	549	870	339	3,889	4,783	5,534	5,066
Special service	1,741	459	550	587	932	890	1,189	755	661	634	747	745
Inactive:												
Temporarily	472	541	451	1,023	1,164	1,204	691	1,173	1,806	3,823	3,758	3,474
Reserve fleet	7,684	2,442	2,322	2,346	2,409	2,798	351	347	301	315	408	468

<sup>1</sup> Includes combination passenger and cargo vessels, not shown separately. <sup>2</sup> Includes intercoastal, not shown separately.

Source: U.S. Maritime Administration, *Employment Report of the United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over*, annual.

### NO. 1045. PRIVATE SHIPYARDS—SUMMARY: 1970 TO 1987

(For calendar year, unless noted. See also *Historical Statistics, Colonial Times to 1970*, series Q 449-458 and series Q 467-472)

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Employment	1,000	133.4	166.9	177.3	178.9	186.9	143.0	142.0	130.3	127.2	123.0
Production workers	1,000	108.5	133.4	141.8	142.2	139.8	112.0	111.0	99.0	96.8	93.7
Value of work done	MIL. dol.	2,882	6,615	9,289	11,001	10,979	9,883	8,944	9,358	(NA)	(NA)
On ships only	MIL. dol.	2,594	5,513	8,889	10,690	10,855	9,107	8,308	9,463	(NA)	(NA)
Value added	MIL. dol.	1,618	2,923	5,338	6,304	6,388	5,752	5,208	5,740	(NA)	(NA)
Building activity											
Merchant vessels: <sup>1</sup>											
Under construction <sup>2</sup>	Number	49	96	69	49	35	21	10	10	7	6
Ordered	Number	13	14	7	9	3	4	5	-	-	(NA)
Delivered	Number	13	19	23	22	17	15	6	3	1	(NA)
Cancelled	Number	-	12	4	1	-	-	-	-	-	(NA)
Under contract <sup>4</sup>	Number	49	79	46	36	21	10	10	7	6	(NA)
Naval vessels: <sup>3</sup>											
Under construction <sup>2</sup>	Number	106	63	99	91	93	105	111	100	85	79
Ordered	Number	8	18	11	28	30	27	11	11	18	(NA)
Delivered	Number	32	3	19	29	18	21	22	26	20	(NA)
Under contract <sup>4</sup>	Number	82	78	91	83	105	111	100	85	79	(NA)
Repairs/conversions:											
Commercial ships	MIL. dol.	431	688	1,336	1,566	1,582	1,003	913	1,179	(NA)	(NA)
Naval ships	MIL. dol.	359	554	1,134	1,251	1,571	1,819	1,909	2,178	(NA)	(NA)
Unfinished work: <sup>3</sup>											
Commercial ships	MIL. dol.	786	4,360	2,070	1,000	838	372	100	450	315	53
Naval ships	MIL. dol.	1,718	5,424	7,107	6,780	8,025	12,200	14,003	12,091	9,585	8,265

- Represents zero. NA: Not available. <sup>1</sup> Estimate as of June. <sup>2</sup> Vessels of 1,000 tons or larger. <sup>3</sup> As of Jan. 1

<sup>4</sup> As of Dec. 31. <sup>5</sup> Two ships were cancelled during 1986.

Source: Shipbuilders Council of America, Washington, DC, *Annual Report*.

## NO. 1046. EMPLOYEES IN GOVERNMENT AND PRIVATE SHIPYARDS: 1960 TO 1986

[In thousands. Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power, or towed by other craft includes all full- and part-time employees]

YEAR	Total	Private yards	Navy yards	YEAR	Total	Private yards	Navy yards	YEAR	Total	Private yards	Navy yards
1960	209	112	95	1977	242	174	68	1982	252	172	80
1970	216	134	83	1978	243	172	71	1983	227	143	84
1974	225	161	64	1979	244	173	71	1984	228	146	83
1975	217	154	65	1980	251	176	73	1985	219	136	80
1976	233	166	65	1981	264	187	77	1986	207	132	75

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

## NO. 1047. EMPLOYMENT ON U.S. FLAG MERCHANT VESSELS, 1970 TO 1985, AND BASIC MONTHLY (JANUARY) WAGE SCALE FOR ABLEBODIED SEAMEN, 1970 TO 1987

[Employment in thousands. See also *Historical Statistics, Colonial Times to 1970*, series Q 414-416]

YEAR	Employment <sup>1</sup>	YEAR	Employment <sup>1</sup>	YEAR	East coast wage rate <sup>2</sup>	West coast wage rate <sup>2</sup>	YEAR	East coast wage rate <sup>2</sup>	West coast wage rate <sup>2</sup>
1970	37.6	1981	18.3	1970	\$470	\$652	1981	\$1,120	\$1,535
1975	20.5	1982	16.7	1975	612	800	1982	1,204	1,688
1976	19.9	1983	15.3	1977	737	1,072	1983	1,320	1,862
1978	19.7	1984	13.7	1978	804	1,172	1984	1,418	2,029
1980	19.6	1985	13.1	1979	886	1,267	1985	1,418	2,088
				1980	967	1,414	1986	1,418	2,132
							1987	1,418	2,132

<sup>1</sup> As of June 30, except beginning 1978, as of Sept. 30. Estimates of personnel employed on merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, U.S. Army and Navy, and special types such as cable ships, tugs, etc. <sup>2</sup> Basic monthly wage, over and above subsistence (board and room); excludes overtime and fringe pay benefits. West coast incorporates extra pay for Saturdays and Sundays at sea into base wages but east coast does not.

Source: U.S. Maritime Administration, *U.S. Merchant Marine Data Sheet*, monthly and unpublished data.

## NO. 1048. WORLDWIDE TANKER CASUALTIES: 1975 TO 1987

[Data for 1975-1982 covers tankers, ore/oil carriers and bulk/oil vessels of 8,000 deadweight tons and over; beginning 1983, 10,000 deadweight tons and over; excludes liquid gas carriers. Incident is counted in the year it is reported. Based on data from "Lloyd's List" published by Lloyd's of London. "Casualties" include weather damage, strandings, collisions and other contact, fires and explosions, machinery damage, and other mishaps]

ITEM	Unit	1975	1976	1977	1980	1981	1982	1983	1984	1985	1986	1987
Casualties	Number	906	685	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	340	451	127
Total losses <sup>2</sup>	Number	22	17	26	15	21	21	11	14	12	8	2
Deaths	Number	90	146	306	132	73	72	14	68	53	23	3
Oil spills	Number	45	35	65	32	33	9	17	15	9	6	6
Amount	1,000 tons	186.0	280.5	723.5	135.6	45.3	1.8	387.5	22.4	79.8	6.0	3.2

NA: Not available. <sup>1</sup> Jan.-March. <sup>2</sup> Excludes losses due to hostilities.

Source: Tanker Advisory Center, Inc., New York, NY, "Worldwide Tanker Casualty Returns," quarterly.

## NO. 1049. MERCHANT VESSELS—WORLD AND UNITED STATES: 1960 TO 1986

[Vessels of 100 gross tonnage and above. Excludes sailing ships, nonpropelled craft, and all ships built of wood. See also *Historical Statistics, Colonial Times to 1970*, series Q 473-480]

YEAR	WORLD: COMPLETED		WORLD: OWNED		U.S.: COMPLETED		U.S.: REGISTERED	
	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)
1960	2,006	8,382	36,311	129,770	49	379	4,059	24,837
1965	2,202	11,763	41,665	160,392	116	218	3,416	21,627
1970	2,814	20,980	52,444	227,490	156	375	2,963	18,463
1980	2,412	13,101	73,832	419,911	205	555	5,579	18,484
1982	2,312	16,820	75,151	424,742	204	216	5,133	18,111
1983	2,276	15,911	76,106	422,590	158	361	6,437	18,368
1984	2,210	16,334	76,068	418,882	73	84	6,441	18,282
1985	1,964	16,157	76,395	416,289	68	180	6,447	18,518
1986	1,834	16,545	75,266	404,910	36	223	6,496	18,901

Source: Lloyd's Register of Shipping, London, England, *Statistical Tables*, annual; and *Annual Summary of Merchant Ships Completed in the World*.

### 1980. MERCHANT VESSELS—SHIPS AND TONNAGE LOST WORLDWIDE, BY TYPE OF SHIP: 1980 TO 1985

Merchant vessels of 100 gross tonnage and above. Excludes ships which have been declared constructive losses but designed repair during the year. Loss counted in the year the casualty occurred, providing that information available at latest publication]

TYPE OF SHIP	SHIPS LOST					GROSS TONNAGE LOST (1,000)				
	1980	1983	1984	1985		1980	1983	1984	1985	
				Total	Percent of total				Total	Percent of total
all ships	387	340	327	307	100.0	1,804	1,473	2,364	1,851	100.0
oilers	24	18	25	19	6.2	707	487	1,542	776	47.0
freighters	21	20	17	22	7.2	458	410	271	405	24.5
passenger ships	211	191	176	155	50.5	478	511	401	363	22.0
other cargo ships	2	1	3	5	1.6	8	7	34	41	2.2
other cargo ships	9	2	2	-	-	112	5	17	-	-
other cargo ships	98	71	73	66	21.5	30	21	33	26	1.5

Includes zero. <sup>1</sup> Includes types not shown separately. <sup>2</sup> Includes ore/bulk/oil carriers. <sup>3</sup> Includes passenger ships.

Lloyd's Register of Shipping, London, England, Casualty Return, annual.

### NO. 1051. MERCHANT FLEETS OF THE WORLD: 1975 TO 1985

Ships of 1,000 gross tons and over. 1975 as of Dec. 31. Beginning 1980, as of Jan. 1 of the following year. Specified countries have 100 or more ships]

COUNTRY OF REGISTRY, 1985	TOTAL		PASSENGER/ CARGO COMB.		FREIGHTERS		BULK CARRIERS <sup>1</sup>		TANKERS	
	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)
world total	22,872	12	714	21	12,576	13	4,272	9	5,311	11
U.S.	857	21	80	29	511	21	19	25	287	19
U.S. flag	22,015	12	654	21	12,064	13	4,253	9	5,044	11
world total	24,867	13	488	24	14,242	14	4,798	10	5,308	12
U.S.	864	23	85	34	471	23	20	22	308	20
U.S. flag	24,003	13	403	22	13,771	13	4,778	10	5,051	11
world total	25,886	14	378	25	13,937	15	5,787	11	5,488	13
U.S.	737	23	37	36	417	25	25	9	258	19
U.S. flag	477	17	8	29	208	17	25	9	235	17
U.S. owned	280	34	29	40	208	33	-	(X)	23	35
U.S. owned	24,818	14	338	23	13,520	15	5,762	11	5,198	13
U.S. flag	187	19	1	35	89	17	20	18	87	21
U.S. flag	129	11	11	18	40	10	20	10	58	10
U.S. flag	345	14	3	25	189	17	90	7	83	14
U.S. flag	450	12	2	24	196	15	204	10	48	12
U.S. flag	117	14	4	12	51	15	45	12	17	18
U.S. flag	1,025	17	14	24	692	18	180	13	139	16
U.S. flag	214	13	1	15	127	13	88	12	16	13
U.S. flag	103	16	2	29	79	18	9	16	13	14
U.S. flag	716	18	6	26	451	19	-	16	81	14
U.S. flag	255	8	4	17	158	8	13	8	79	8
U.S. flag	181	15	3	23	133	14	21	19	4	7
U.S. flag	128	15	10	18	94	15	14	14	11	12
U.S. flag	120	11	3	11	58	12	27	9	32	10
U.S. flag	268	12	6	9	136	11	38	10	86	13
U.S. flag	-	17	33	31	733	19	780	13	308	18
U.S. flag	109	26	1	24	79	28	7	27	22	18
U.S. flag	358	14	5	21	180	18	116	13	57	8
U.S. flag	330	17	9	18	229	19	12	8	80	14
U.S. flag	108	12	-	-	42	14	46	9	20	13
U.S. flag	569	18	10	26	230	18	102	17	227	19
U.S. flag	1,604	8	8	11	633	8	497	9	468	8
U.S. flag	113	25	-	-	99	25	12	20	2	30
U.S. flag	1,852	12	8	18	386	12	784	11	684	12
U.S. flag	183	15	2	36	125	17	23	10	33	11
U.S. flag	191	21	2	53	122	22	58	20	9	18
U.S. flag	484	9	4	9	383	8	28	7	89	11
U.S. flag	424	10	22	19	130	9	90	8	182	10
U.S. flag	3,620	13	35	31	2,088	15	952	11	565	12
U.S. flag	399	14	13	25	193	16	153	9	40	22
U.S. flag	285	14	2	22	-	14	90	12	9	11
U.S. flag	268	10	1	48	194	10	84	9	9	11
U.S. flag	184	19	3	25	78	22	18	16	65	17
U.S. flag	480	14	2	30	296	16	83	10	87	13
U.S. flag	487	14	-	-	240	15	178	12	71	13
U.S. flag	2,514	15	52	18	1,793	15	221	14	448	14
U.S. flag	489	11	1	57	308	10	79	11	101	13
U.S. flag	208	11	2	23	116	10	20	12	88	11
U.S. flag	108	21	-	-	80	21	2	18	26	20
U.S. flag	322	13	6	32	203	12	58	14	55	14
U.S. flag	541	12	12	17	206	12	96	10	227	13
U.S. flag	528	7	5	7	414	8	23	7	-	8
U.S. flag	263	17	4	24	188	18	83	14	10	17
U.S. flag	1,785	14	28	23	1,122	15	232	11	403	13

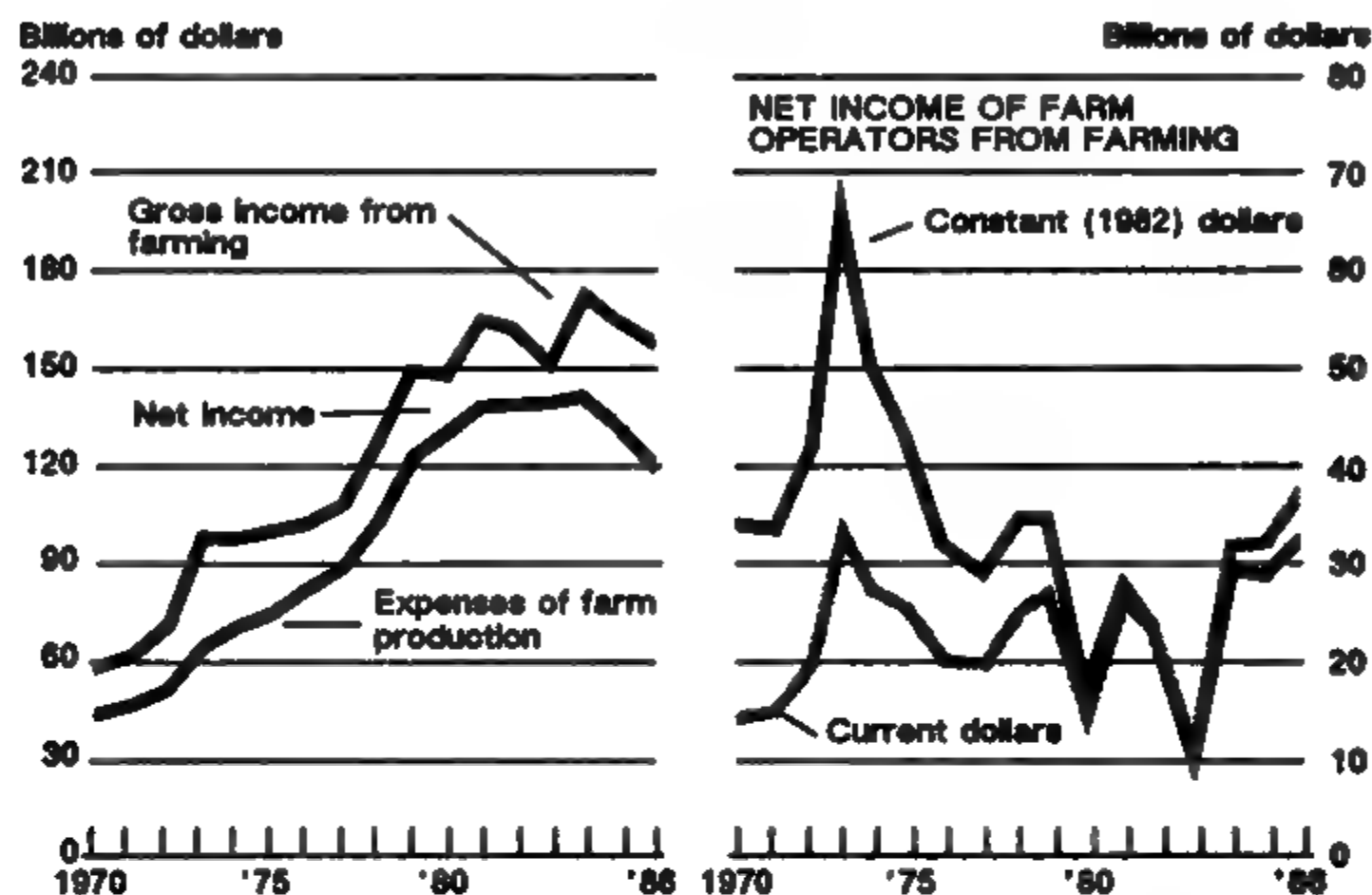
Includes zero. <sup>1</sup> Not applicable. <sup>2</sup> Includes bulk/oil, ore/oil and ore/bulk/oil carriers.

U.S. Maritime Administration, A Statistical Analysis of the World's Merchant Fleets, annual.



Figure 23.1

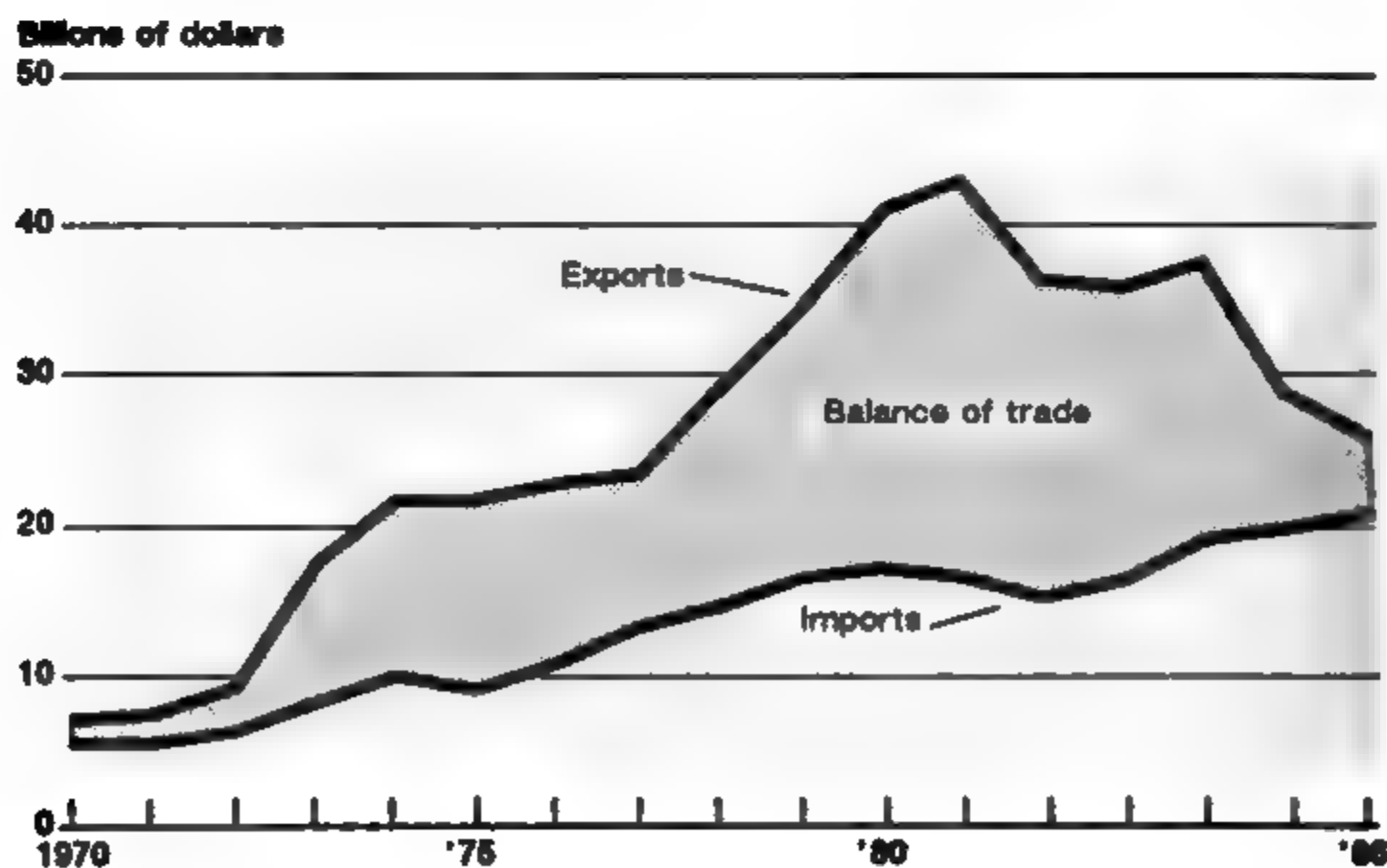
## Farm Income and Expenses: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1074.

Figure 23.2

## Agricultural Exports and Imports: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1086.



## Section 23

# Agriculture

This section presents statistics on farms and farm population; land use and irrigation; farm cooperatives; farm income, expenditures, and debt; farm output, productivity, and marketing; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

The principal sources are the reports issued by the U.S. Bureau of the Census and by the National Agricultural Statistics Service (NASS) and the Economic Research Service (ERS) of the U.S. Department of Agriculture. The Bureau of the Census has taken a census of agriculture every 10 years from 1840 to 1920 and every 5 years from 1925 through 1974. Two 4-year censuses, taken for 1978 and 1982, adjusted the data reference year to coincide with other economic censuses for 1982. The 1982 Census of Agriculture is the most recent census for which reports are presently available. The Department of Agriculture publishes annually *Agricultural Statistics*, a general reference book on agricultural production, supplies, consumption, facilities, costs, and returns. The Economic Research Service publishes a series of annual reports, *Economic Indicators of the Farm Sector*. This series comprises five reports: *National Financial Summary*, *State Financial Summary*, *Production and Efficiency Statistics*, *Costs of Production*, and *Farm Sector Review*. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade of the United States*, published by the ERS, and the reports of the Bureau of the Census, particularly *U.S. General Imports, Schedule A, Commodity by Country*, and *U.S. Exports, Schedule B, Commodity by Country*.

The 44 field offices of the NASS collect data on crops, livestock and products, agricultural prices, farm employment, and other related subjects mainly through sample surveys. Information is obtained on some 75 crops and 50 livestock items as well as scores of items pertaining to agricultural production and marketing. State estimates and supporting information are sent to the Agricultural Statistics Board of NASS which reviews the estimates and issues reports containing State and national data. Among these reports are two annual summaries, *Crop Production* and *Crop Values*.

**Farms and farmland.**—Over time, the Bureau of the Census has used varying definitions of a farm. Data from the census of agriculture reflect the changes in definition since figures are presented for "farms" as defined during the years indicated. For the 1974, 1978, and 1982 Censuses of Agriculture, a farm was defined as any place from which \$1,000 or more of agricultural products were sold, or would have been sold during the census year. Control may have been exercised through ownership or management, or through a lease, rental, or cropping arrangement. In the case of landowners who had one or more tenants, or renters, the land operated by each was counted as a separate farm. The effect of the change in definition must be considered when comparing farms in the 1974, 1978, and 1982 censuses with those in previous censuses. In the 1966 census, as well as the 1956 and 1964 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least \$250, and places of 10 or more acres if such sales amounted to at least \$50.

Unless otherwise stated in the specific tables of this section, the definition of a farm applicable to data originated by the Department of Agriculture is the one used by the Bureau of the Census for the agriculture census immediately preceding the year or years for which the data are shown.

**Farmland** refers to all land under the control of a farm operator, including land not actually under cultivation or not used for pasture or grazing. Land used for pasture or grazing on a per head basis that was neither owned nor leased by a farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

State totals for 1982 are not directly comparable with totals for 1978 or earlier censuses because changes in data collection procedures. Coverage estimates for 1978 and 1982 indicate about 3.4 and 9.1 percent of all farms, respectively, were not included in census totals. Farms undercounted in the census were usually small and accounted for approximately 2 percent of the total value of agricultural products sold and approximately 2 percent of the land in farms. For more explanation

about data comparability, see Appendixes A and C, *1982 Census of Agriculture*, volume I reports and *Coverage Evaluation, Volume 2, Part 2*.

**Farm population.**—Farm population consists of all persons living on farms in rural areas. Farm population data shown for 1960 to 1975 are based on the definition of a farm used for the 1969 Census of Agriculture. Farm population data for 1978 to 1983 are shown on the basis of both the 1969 and 1974 census farm definitions and are so indicated. Beginning 1984, farm population data are based only on the 1974 census farm definition.

**Irrigation.**—Irrigated land is defined by the Bureau of the Census as the acreage in farms to which water is artificially applied during the census year. The Bureau of the Census also collects data on the operation of irrigation water supply organizations at 10-year intervals. In 1978, irrigation information was collected from both individual farms and irrigation organizations.

**Farm income.**—Gross farm income comprises cash receipts from farm marketings of crops and livestock, Federal government payments made directly to farmers for farm-related activities, rental value of farm homes, value of farm products consumed in farm homes, and other farm-related income such as machine hire and custom work. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market.

Information on prices received for farm products is generally obtained by the NASS Agricultural Statistics Board from surveys of firms (such as grain elevators, packers, and processors) purchasing agricultural commodities directly from producers. In some cases, the price information is obtained directly from the producers.

**Crops.**—Estimates of crop acreage and production by the NASS are based on current sample survey data obtained from individual reporters and objective yield counts, reports of carlot shipments, market records, personal field observations by field statisticians, and reports from other sources. Cotton acreage and production are based on sample survey data and on ginning information gathered by the Bureau of the Census.

Through 1985 prices received by farmers are season average prices. They are calculated by weighting monthly prices by monthly sales during the crop marketing season, beginning with the first month in which a particular crop harvest begins. State prices are weighted by sales to obtain U.S. prices. Season average prices include an allowance for outstanding loans and government purchases, if any, for crops under government programs.

Beginning 1986 prices received by farmers are marketing year averages. These averages are based on U.S. monthly prices weighted by monthly marketings during specific periods. U.S. monthly prices are State average prices weighted by marketings during the month. Marketing year average prices do not include allowances for outstanding loans, government purchases, deficiency payments or disaster payments.

All State prices are based on individual State marketing years, while U.S. marketing year averages are based on standard marketing years for each crop. For a listing of the crop marketing years and the participating States in the monthly program, see *Crop Values*, February 1987. Value of production is computed by multiplying State prices by each State's production. The U.S. value of production is the sum of State values for all States. Value of production figures shown in tables 1100 and 1102-1110 should not be confused with cash receipts from farm marketings which relate to sales during a calendar year, irrespective of the year of production.

**Price supports.**—Under law, farm income from many commodities is supported through two basic Government-supported mechanisms available to producers of eligible commodities: (1) a *market price support* (loan rate) through which producers may place any portion of their production in approved storage and receive a loan at a specified rate. The farmer may repay the loan with interest and retain the commodity or, at the end of the loan period, forfeit the commodity as full payment of the loan; (2) a *farm income support* (target price) whose payments vary inversely with the market price of the specified commodity. "Deficiency payments" are made when market prices for a specified period are below the target prices. The payment rate is the difference between the target price and market price, or between the target price and loan rate, whichever is smaller.

**Livestock.**—Annual inventory numbers of livestock and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers and ranchers obtained by probability survey sampling methods.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau and Department of Agriculture data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

### No. 1052. FOOD AND FIBER SECTOR OF DOMESTIC ECONOMY—EMPLOYMENT AND VALUE ADDED: 1975 TO 1986

[Employment in millions and value added in billions of dollars, except as indicated]

SECTOR	1975	1975	1975	1986	1981	1982	1982	1984	1985	1986
<b>EMPLOYMENT</b>										
Food and fiber sector, total	26.0	20.0	21.5	21.4	21.5	21.6	21.1	21.3	21.4	21.9
Percent of domestic economy <sup>1</sup>	21.3	20.4	20.5	20.1	19.6	19.6	19.0	18.8	18.5	17.9
Farm sector	2.8	3.0	2.8	2.6	2.5	2.3	2.5	2.6	2.4	2.1
Nonfarm sector	17.2	17.8	18.7	18.9	19.0	19.2	18.7	18.8	19.0	18.9
Food processing	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.4	1.5	1.4
Manufacturing	3.2	3.2	3.3	3.4	3.4	3.3	3.1	3.0	2.9	2.9
Transportation, trade, and retailing	5.7	6.0	6.3	6.4	6.5	6.6	6.5	6.6	6.8	6.8
Eating establishments	3.1	3.4	3.5	3.5	3.5	3.5	3.5	3.6	3.7	3.8
Other	2.7	3.9	4.0	4.0	4.1	4.2	4.0	4.1	4.2	4.1
<b>VALUE ADDED<sup>2</sup></b>										
Food and fiber sector, total	226.7	415.0	495.4	488.9	502.3	511.3	502.5	509.9	705.5	701.6
Percent of domestic economy	20.4	18.4	18.6	18.3	18.4	18.3	17.7	17.5	17.6	16.6
Farm sector	43.3	49.0	59.4	55.1	67.3	75.1	49.7	64.8	73.3	64.4
Nonfarm sector	252.4	366.0	406.0	444.8	495.0	536.2	552.8	595.3	632.2	637.1
Food processing	36.7	40.6	49.7	56.0	61.7	70.0	70.4	75.6	64.5	62.2
Manufacturing	57.0	70.6	77.1	83.0	93.1	97.5	99.0	101.6	103.4	102.3
Transportation, trade, and retailing	98.8	127.0	142.7	157.5	175.6	188.1	188.8	209.0	220.9	226.0
Eating establishments	25.7	34.8	38.9	42.0	44.6	48.1	52.0	55.7	58.3	61.8
Other	64.2	86.9	97.6	106.3	120.0	132.5	135.7	153.5	164.1	164.8

<sup>1</sup> Based on civilian labor force. <sup>2</sup> Value added equals profits, rent, interest, wages, indirect business taxes, and depreciation.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Farm Sector Review*, annual.

### No. 1053. FARM POPULATION AND EMPLOYMENT: 1960 TO 1986

[In thousands, except percent. For definition of farm population, see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series C 76 and K 1-2 and K 174-176]

ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Farm population (1974 definition) <sup>1</sup>	(NA)	(NA)	(NA)	8,501	8,241	8,051	5,850	5,826	5,787	5,754	5,355	5,226
Percent of resident population	(NA)	(NA)	(NA)	3.0	2.8	2.7	2.6	2.4	2.5	2.4	2.2	2.2
Farm population (1986 definition) <sup>1</sup>	15,835	9,712	8,864	8,005	7,553	7,241	7,014	6,880	7,029	(NA)	(NA)	(NA)
Percent of resident population	6.7	4.8	4.2	3.7	3.4	3.3	3.1	3.0	3.0	(NA)	(NA)	(NA)
Farm employment, total <sup>2</sup>	7,057	4,523	4,342	3,957	3,774	3,705	3,330	4,043	3,749	3,405	3,115	2,912
Family member <sup>3</sup>	5,172	3,348	3,025	2,899	2,501	2,402	2,236	2,484	2,271	2,175	2,017	1,673
Hired workers <sup>4</sup>	1,885	1,175	1,317	1,268	1,273	1,303	1,094	1,549	1,478	1,230	1,098	1,039

NA: Not available. <sup>1</sup> April-centered five-quarter averages for 1960 to 1983; annual average for 1984 to 1986.

<sup>2</sup> 1960 and 1970, averages of monthly estimates of employed during last full calendar week ending at least one day before end of month; 1975-1980 annual quarterly averages; 1981, average based on employment data from Jan. and April quarterly surveys; 1982-1983 based on July survey; 1984, average from July and Oct. surveys; 1985 and 1986 average from April, July and Oct. surveys.

<sup>3</sup> Includes farm operators doing 1 or more hours of farm work and unpaid family members doing 15 or more hours of farm work during survey week. <sup>4</sup> Includes all persons doing 1 or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: Population—U.S. Dept. of Agriculture, Economic Research Service and U.S. Bureau of the Census. Published in U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 60. Farm employment—U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Farm Labor*, periodic.

### No. 1054. CHARACTERISTICS OF FARM AND NONFARM FAMILIES: 1970 TO 1986

as of March. 1970 based on 1969 census farm definition and 1980 and 1986 based on 1974 definition; see text, section 23. 1970, 1980 and 1986 data are based on population controls from 1960, 1970, and 1980 censuses respectively; see text, section 1.

<sup>1</sup> Based on Current Population Survey, see text, section 1 and Appendix III. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	1970			1980			1986		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
All families (1,000)	51,237	2,457	48,781	56,426	1,866	56,780	63,556	1,662	61,896
Persons per family	3.62	3.77	3.61	3.26	3.35	3.27	3.21	3.18	3.21
With own children under 18 (1,000)	26,665	1,189	27,496	30,517	745	29,772	31,870	613	31,056
Mean number of own children	2.33	2.61	2.32	1.89	2.00	1.89	1.83	1.93	1.83
Percent with: 1 or 2 children	63.6	57.2	63.9	77.0	71.5	77.2	79.7	78.9	79.7
3 or 4 children	28.5	28.3	28.5	20.4	24.8	20.3	18.7	21.5	18.6
5 or more children	7.8	13.5	7.6	2.5	3.5	2.5	1.7	2.6	1.7
Sex distribution:									
Married couple	66.7	90.5	66.5	82.5	92.3	82.2	80.1	83.2	79.6
Male householder, no wife present	2.4	4.2	2.3	2.9	3.4	2.9	3.8	2.8	3.8
Female householder, no husband present	10.6	5.3	11.2	14.8	4.4	14.9	16.1	4.0	16.4
Person families	34.5	37.0	34.3	39.2	42.7	39.1	40.1	44.3	40.0
1-5 person families	52.7	48.4	53.1	53.7	47.1	53.9	54.6	50.9	55.0
6 or more person families	12.9	18.6	12.6	7.1	10.3	7.0	5.1	4.8	5.1
Mean family income <sup>1</sup> in constant (1986) dollars	27,660	18,736	26,066	29,139	24,242	29,277	27,735	21,853	27,861

Income for previous year.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 218; series P-27, No. 60 and earlier reports; series P-60, No. 154 and earlier reports; and unpublished data.

## NO. 1055. FARM POPULATION, BY CHARACTERISTICS: 1970 TO 1986

[1975 and 1980, April-centered five-quarter averages; 1986 and 1980 annual averages. For definition of farm population, see text, section 23]

CHARACTERISTIC	FARM POPULATION (1,000)							PERCENT DISTRIBUTION			
	1969 definition		1974 definition					1969 definition, 1970	1974 definition		
	1970	1980	1980	1985	1986				1980	1985	1986
					Total	Male	Female				
Total.....	9,712	7,241	6,951	5,365	5,226	2,733	2,493	100.0	100.0	100.0	100.0
White.....	8,775	6,828	5,714	5,195	5,061	2,654	2,427	90.4	94.4	97.0	97.2
Black and other races.....	936	413	337	169	145	79	66	9.7	5.6	3.0	2.8
Under 15 years old.....	<sup>1</sup> 2,490	<sup>1</sup> 1,361	<sup>1</sup> 1,146	1,100	1,047	551	496	<sup>1</sup> 25.6	<sup>1</sup> 18.9	20.5	20.0
15 years old and over.....	<sup>2</sup> 7,222	<sup>2</sup> 5,881	<sup>2</sup> 4,805	4,265	4,179	2,182	1,997	<sup>2</sup> 74.4	<sup>2</sup> 81.1	79.5	80.0
15-19 years old.....	<sup>3</sup> 1,316	<sup>3</sup> 826	<sup>3</sup> 780	455	436	229	207	<sup>3</sup> 13.6	<sup>3</sup> 13.1	8.5	8.3
20-24 years old.....	602	502	444	361	350	194	156	5.2	7.3	7.1	6.7
25-34 years old.....	770	735	606	540	554	355	298	7.9	10.0	12.0	12.5
35-44 years old.....	1,081	862	712	667	648	331	317	10.9	11.8	12.9	12.4
45-64 years old.....	2,452	1,882	1,607	1,342	1,366	701	666	25.2	26.8	25.1	26.2
65 years old and over.....	1,122	934	746	747	723	372	351	11.6	12.5	13.9	13.8
In labor force <sup>4</sup> .....	4,293	3,682	3,139	2,853	2,855	1,797	1,068	58.4	64.0	67.1	68.6
Employed, agriculture.....	2,333	1,722	1,642	1,363	1,363	1,082	280	32.3	33.5	32.0	32.6
Percent of labor force.....	54.3	46.8	52.3	47.8	47.5	60.2	26.2	(0)	(0)	(0)	(0)
Self-employed.....	1,411	1,083	1,034	896	906	771	135	18.5	21.1	21.1	21.7
Wage and salary workers.....	986	344	326	316	318	265	52	5.5	6.8	7.5	7.9
Unpaid family workers.....	526	295	282	145	139	46	94	7.3	5.7	3.5	3.9
Employed, nonagriculture.....	1,878	1,853	1,415	1,402	1,418	673	745	28.0	26.8	32.9	38.9
Self-employed.....	159	210	161	159	158	97	61	2.2	3.3	3.7	3.8
Wage and salary workers.....	1,696	1,624	1,239	1,237	1,250	574	678	23.5	25.3	29.1	29.6
Unpaid family workers.....	21	19	16	7	10	2	6	.3	.3	.2	.2
Unemployed.....	82	106	82	86	65	41	43	1.1	1.7	2.1	2.0
Not in labor force <sup>4</sup> .....	2,929	2,169	1,766	1,402	1,314	385	929	40.8	36.0	32.9	31.4

X Not applicable. <sup>1</sup> Persons under 14 years old. <sup>2</sup> Persons 14 years old and over. <sup>3</sup> Persons 14-19 years old.  
<sup>4</sup> Percent distribution by labor force status based on total population, 14 years old and over through 1980, and 15 years old and over beginning 1985.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 80 and earlier reports; and unpublished data.

## NO. 1056. FARMS—NUMBER AND ACREAGE: 1959 TO 1987

[Based on census year definition indicated; for definition of farms and farmland, see text, section 23. Data for census years (indicated by italics) have been adjusted for underenumeration and are used as reference points along with data from acreage and livestock surveys in estimating data for other years. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

YEAR	FARMS		LAND IN FARMS		YEAR	FARMS		LAND IN FARMS	
	Number (1,000)	Annual change <sup>1</sup> (1,000)	Total (mil. acres)	Average per farm (acres)		Number (1,000)	Annual change <sup>1</sup> (1,000)	Total (mil. acres)	Average per farm (acres)
1969 DEFINITION					1974 DEFINITION				
<i>1959</i> .....	4,105	—136	1,183	288	<i>1975</i> .....	2,521	(0)	1,059	420
<i>1960</i> .....	3,963	—142	1,179	297	<i>1976</i> .....	2,487	—24	1,054	422
<i>1964</i> .....	3,457	—127	1,146	332	<i>1977</i> .....	2,455	—41	1,048	427
<i>1965</i> .....	3,358	—101	1,140	340	<i>1978</i> .....	2,438	—20	1,045	430
<i>1969</i> .....	3,000	—89	1,108	369	<i>1979</i> .....	2,432	—4	1,042	430
<i>1970</i> .....	2,949	—51	1,102	374	<i>1980</i> .....	2,433	1	1,039	427
<i>1971</i> .....	2,902	—47	1,097	376	<i>1981</i> .....	2,434	1	1,034	430
<i>1972</i> .....	2,880	—42	1,092	382	<i>1982</i> .....	2,401	—33	1,030	430
<i>1973</i> .....	2,823	—37	1,086	385	<i>1983</i> .....	2,370	—31	1,024	432
<i>1974</i> .....	2,795	—29	1,084	389	<i>1984</i> .....	2,328	—42	1,019	436
<i>1975</i> .....	2,767	—28	1,081	391	<i>1985</i> .....	2,275	—53	1,014	446
<i>1976</i> .....	2,738	—29	1,078	394	<i>1986</i> .....	2,212	—63	1,008	459
<i>1977</i> .....	2,708	—32	1,075	397	<i>1987, prel.</i> .....	2,173	—39	1,002	464
<i>1978</i> .....	2,672	—34	1,072	401					

X Not applicable. <sup>1</sup> Average annual change from preceding year shown. For 1959, change from 1954.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Number of Farms and Land in Farms, 1959-70* (Statistical Bulletin No. 507); *Farms and Land in Farms, 1969-75* (Statistical Bulletin No. 504); *Farm Numbers, 1975-80*; and *Crop Production* (August releases).

## NO. 1057. FARMS—NUMBER AND ACREAGE, BY STATE: 1960 AND 1967

† preliminary. Based on 1974 census definition of farms and farmland; see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM		STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM	
	1960	1967	1960	1967	1960	1967		1960	1967	1960	1967	1960	1967
United States	2,433	2,173	1,036	1,002	427	461	Missouri	120	114	31	31	261	268
Alabama	59	49	12	11	207	224	Montana	24	23	62	61	2,601	2,606
Alaska	(2)	1	2	1	3,376	2,121	Nebraska	65	66	48	47	734	843
Arizona	6	8	38	37	5,060	4,405	Nevada	5	2	9	6	3,100	3,667
Arkansas	59	49	17	16	290	314	New Hampshire	3	3	1	1	160	163
California	61	77	34	33	417	423	New Jersey	6	6	1	1	109	112
Colorado	27	27	36	34	1,356	1,269	New Mexico	14	14	47	46	3,467	3,304
Connecticut	4	4	(2)	(2)	117	119	New York	47	41	9	8	200	212
Delaware	4	3	1	1	166	203	North Carolina	93	72	12	11	126	150
District of Columbia	38	38	13	13	344	333	North Dakota	40	33	42	41	1,043	1,246
Florida	50	48	16	15	254	271	Ohio	96	84	16	16	171	168
Georgia	4	4	2	2	458	484	Oklahoma	72	70	36	35	481	471
Idaho	24	23	15	14	623	600	Oregon	36	37	18	16	517	484
Illinois	107	84	29	29	269	340	Pennsylvania	62	57	9	9	145	150
Indiana	87	72	17	16	193	225	Rhode Island	1	1	(2)	(2)	67	97
Iowa	116	107	34	34	264	313	South Carolina	34	26	6	6	168	200
Kansas	75	70	46	46	644	684	South Dakota	39	36	46	46	1,169	1,271
Kentucky	102	99	15	15	143	146	Tennessee	96	96	14	13	142	131
Louisiana	37	36	10	10	273	269	Texas	180	160	136	133	731	633
Maine	6	6	2	2	196	196	Utah	14	14	12	11	919	631
Maryland	16	17	3	2	167	141	Vermont	6	7	2	2	226	222
Massachusetts	6	6	1	1	116	113	Virginia	66	60	10	10	166	192
Michigan	66	58	11	11	175	196	Washington	36	37	16	16	429	427
Minnesota	104	92	30	30	291	326	West Virginia	22	21	4	4	161	176
Mississippi	55	45	15	14	266	307	Wisconsin	93	80	19	18	200	219
Missouri							Wyoming	9	9	36	36	3,846	4,000

† then 500 farms or 500,000 acres.

U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production* (August 1967 release).

## NO. 1053. FARMS—NUMBER, ACREAGE, AND VALUE, BY STATE: 1962

† position of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17-18]

DIVISION AND STATE	Number of farms (1,000)	Land in farms (mil. acres)	Average size of farm (acres)	Value of land and buildings <sup>1</sup> (mil. dol.)	DIVISION AND STATE	Number of farms (1,000)	Land in farms (mil. acres)	Average size of farm (acres)	Value of land and buildings <sup>1</sup> (mil. dol.)
United States	2,241	966.9	440	774,166	South Atlantic	274	67.2	208	66,793
Alabama	131	29.0	175	26,272	Delaware	9	7	198	1,216
Arkansas	632	364.2	380	339,761	Maryland	16	2.6	168	5,378
California	606	293.8	326	236,638	Virginia	52	9.4	182	10,622
Colorado	260	315.7	1,129	169,467	West Virginia	19	3.6	190	2,421
Connecticut	36	4.6	178	5,366	North Carolina	73	10.3	142	13,669
District of Columbia	7	1.5	210	1,053	South Carolina	26	5.6	224	5,183
Florida	3	.5	170	565	Georgia	50	12.3	246	11,166
Idaho	6	1.6	249	1,306	Florida	36	12.6	363	20,066
Illinois	5	.6	113	1,111	East South Central	269	66.2	174	46,466
Indiana	1	1	66	173	Kentucky	102	14.2	140	14,661
Iowa	4	4	116	1,166	Tennessee	91	12.5	136	12,562
Kansas	106	16.4	174	22,667	Alabama	48	10.2	211	8,260
Kentucky	42	9.2	219	7,606	Mississippi	42	12.4	263	10,923
Louisiana	6	.9	111	2,640	West South Central	340	167.3	661	120,426
Maine	66	6.3	149	12,536	Arkansas	51	14.7	291	14,460
Maryland	403	66.6	236	124,667	Louisiana	32	6.9	262	12,070
Massachusetts	67	15.4	177	23,267	Oklahoma	73	32.4	446	22,566
Michigan	77	16.3	211	26,126	Texas	166	131.3	710	71,334
Minnesota	66	26.7	262	53,061	Mountain	122	246.1	1,667	76,176
Mississippi	59	10.9	167	13,369	Montana	24	60.6	2,566	15,666
Missouri	62	17.2	210	19,102	Idaho	25	13.9	563	11,363
Montana	629	266.6	602	204,763	Wyoming	9	33.6	3,761	6,464
Nebraska	94	27.7	294	32,326	Colorado	27	33.6	1,237	15,226
Nevada	116	32.6	283	54,346	New Mexico	13	47.1	3,463	8,322
New Hampshire	112	29.3	260	25,064	Arizona	7	37.6	5,146	10,672
New Jersey	36	40.2	1,104	17,609	Utah	14	9.6	696	5,446
New Mexico	37	43.6	1,179	16,429	Nevada	3	10.0	3,671	2,606
New York	60	45.0	746	31,910	Pacific	116	66.6	441	63,367
North Carolina	73	47.1	642	26,076	Washington	34	16.6	466	15,271
North Dakota					Oregon	34	17.7	620	12,666
Ohio					California	62	32.2	360	61,532
Oklahoma					Alaska	(2)	1.3	2,323	264
Oregon					Hawaii	6	2.0	426	3,676

† then 500. <sup>1</sup> Based on reports for a sample of farms.

U.S. Bureau of the Census, *Census of Agriculture: 1962*, vol. 1



## NO. 1059. FARMS—NUMBER, 1959 TO 1982, AND ACREAGE, 1978 AND 1982, BY SIZE OF FARM

[See Historical Statistics, Colonial Times to 1970, series K 162-173]

SIZE OF FARM	NUMBER OF FARMS (1,000)					LAND IN FARMS (mil. acres)		CROPLAND HARVESTED (mil. acres)		PERCENT DISTRIBUTION, 1982		
	1959	1969	1974	1978	1982	1978	1982	1978	1982	Num- ber of farms	All land in farms	Crop- land har- vested
Total	3,711	2,739	2,314	2,298	2,241	1,814.8	988.8	317.1	228.3	100.0	100.0	100.0
Under 10 acres	244	162	126	151	166	6	7	2	3	8.4	1	1
10-49 acres	813	473	380	382	449	10.9	12.1	4.5	4.5	20.0	1.2	1.4
50-99 acres	655	480	385	396	344	25.9	24.8	10.2	9.5	15.4	2.5	2.9
100-179 acres	773	542	443	403	358	55.0	48.9	23.3	21.2	16.4	5.1	6.5
180-259 acres	414	307	253	224	211	50.6	45.7	23.7	21.7	8.4	4.6	6.7
260-499 acres	472	419	383	348	315	124.8	113.0	64.5	60.5	14.1	11.5	10.5
500-999 acres	200	216	207	213	204	146.7	140.5	75.2	77.6	8.1	14.2	23.8
1,000-1,999 acres	79	91	83	96	97	133.0	132.4	56.2	64.5	4.3	13.4	19.8
2,000 acres and over	57	80	82	83	65	467.4	467.5	57.3	68.6	2.9	47.4	20.4

Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969, 1974, vol. II and 1982, vol. I.*

## NO. 1060. FARMS—NUMBER AND ACREAGE, BY TENURE OF OPERATOR: 1969 TO 1982

[Full owners own all the land they operate. Part owners own a part, and rent from others the rest of the land they operate. See also Historical Statistics, Colonial Times to 1970, series K 109-113 and 142-146]

ITEM AND YEAR	Unit	Total	Full owner	Part owner	Tenant	PERCENT DISTRIBUTION			
						Total	Full owner	Part owner	Ten- ant
<b>Number of farms:</b>									
1969	1,000	2,739	1,706	672	363	100.0	62.5	24.6	12.9
1974	1,000	2,314	1,424	628	262	100.0	61.5	27.2	11.3
1978	1,000	2,298	1,298	681	279	100.0	57.5	30.1	12.4
1982 <sup>1</sup>	1,000	2,241	1,326	656	259	100.0	59.2	28.3	11.8
Under 50 acres	1,000	637	505	88	63	100.0	79.3	10.7	9.8
50-179 acres	1,000	711	489	144	79	100.0	68.7	20.2	11.1
180-499 acres	1,000	528	232	221	73	100.0	44.1	42.0	13.8
500-999 acres	1,000	204	87	120	27	100.0	27.9	56.8	13.2
1,000 acres or more	1,000	161	41	103	17	100.0	25.4	64.0	10.6
<b>Land in farms:</b>									
1969	Mil. acres	1,083	375	550	158	100.0	35.2	51.8	13.0
1974	Mil. acres	1,017	350	535	122	100.0	35.4	52.6	12.0
1978	Mil. acres	1,015	332	561	122	100.0	32.7	55.3	12.0
1982	Mil. acres	987	342	531	114	100.0	34.7	53.9	11.5

<sup>1</sup> Data by size of farm exclude abnormal farms; see headnote, table 1052.Source: U.S. Bureau of the Census, *Census of Agriculture: 1969, 1974, vol. II, and 1982, vol. I.*

## NO. 1061. FARM OPERATORS—TENURE AND CHARACTERISTICS: 1978 AND 1982

[In thousands, except as indicated. See also Historical Statistics, Colonial Times to 1970, series K 82-113]

TENURE AND CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$10,000 AND OVER		CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$10,000 AND OVER	
	1978	1982	1978	1982		1978	1982	1978	1982
Total operators	2,298	2,241	1,160	1,143					
White	2,200	2,187	1,163	1,127	Principal occupation:	1,269	1,236	584	591
Black and other	58	54	17	16	Farming	986	1,005	248	242
					Other				
Operators of Spanish origin <sup>1</sup>	18	16	7	8	Place of residence: <sup>2</sup>				
Female	113	122	(NA)	37	On farm operated	1,586	1,561	876	839
Under 25 years old	67	62	(NA)	36	Not on farm operated	422	426	187	202
25-34 years old	285	294	(NA)	173	Years on present farm: <sup>3</sup>				
35-44 years old	434	443	(NA)	223	2 years or less	(NA)	127	(NA)	59
45-54 years old	549	505	(NA)	254	3-4 years	(NA)	193	(NA)	89
55-64 years old	562	536	(NA)	289	5-9 years	(NA)	390	(NA)	187
65 years old and over	371	400	(NA)	156	10 years or more	(NA)	1,098	(NA)	636
Average age (years)	50.3	50.5	(NA)	49.1	Days worked off farm: <sup>4</sup>				
Full owner	1,288	1,326	485	482	None	943	952	554	591
Part owner	651	656	514	481	Less than 100 days	252	284	154	141
Tenant	279	259	161	170	100-199 days	181	189	79	77
					200 days or more	770	775	264	213

NA Not available.

<sup>1</sup> Operators of Spanish origin may be of any race.<sup>2</sup> Excludes not reported.Source: U.S. Bureau of the Census, *1982 Census of Agriculture, vol. 1.*

62. FARMS—NUMBER, ACREAGE, AND VALUE, BY TYPE OF ORGANIZATION: 1978 AND 1982

[Excludes abnormal farms (institutional farms, experimental and research farms, Indian reservations, etc.)]

ITEM	Unit	Total <sup>1</sup>	Individual or family	Partnership	Corporation	PERCENT DISTRIBUTION			
						Total <sup>1</sup>	Individual or family	Partnership	Corporation
arms: 1978.....	1,000.....	2,255	1,988	233	50	100.0	87.2	10.3	2.2
1982.....	1,000.....	2,239	1,946	223	60	100.0	86.9	10.0	2.7
1978.....	Mil. acres.....	959	673	158	120	100.0	70.2	16.5	12.5
1982.....	Mil. acres.....	932	642	152	127	100.0	68.9	16.3	13.6
d and buildings: <sup>2</sup> 1978.....	Bil. dol.....	623	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982.....	Bil. dol.....	763	547	119	90	100.0	71.7	15.6	11.8
m products sold: 1978.....	Mil. dol.....	106,829	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982.....	Mil. dol.....	131,590	77,907	21,520	31,480	100.0	59.2	16.4	23.9

available. <sup>1</sup> Includes other types, not shown separately. <sup>2</sup> Based on a sample of farms.

U.S. Bureau of the Census, 1982 Census of Agriculture, vol. 1.

No. 1063. IRRIGATED FARMS AND ACREAGE—SELECTED STATES: 1984

A sample of irrigators selected from irrigated farms identified in the 1982 Census of Agriculture excluding all irrigators in Alaska, Hawaii, and abnormal and horticultural specialty farms in the 48 conterminous States. (For definition of abnormal farms see headnote, table 1062.) Most of the excluded irrigated farms were horticultural specialty farms and accounted for less than 1 percent of the land irrigated in 1982. No attempt was made to identify and select new irrigators for 1984.

STATE	Irrigated farms (1,000)	Acres in farms (1,000)	Acres irrigated (1,000)	STATE	Irrigated farms (1,000)	Acres in farms (1,000)	Acres irrigated (1,000)
conterminous U.S. <sup>1</sup> .....	212.4	175,134	44,781	Montana.....	7.9	16,769	1,877
Alaska.....	48.3	17,292	7,805	Arkansas.....	4.8	4,439	1,872
Arizona.....	19.2	19,321	5,828	Oregon.....	12.1	10,840	1,776
California.....	13.7	14,458	4,921	Wyoming.....	4.6	14,630	1,550
Colorado.....	15.5	7,117	3,255	Washington.....	13.1	4,097	1,482
Connecticut.....	13.4	15,380	3,105	Florida.....	5.9	4,991	1,438
Delaware.....	6.2	8,935	2,315	Utah.....	10.0	3,787	1,054
District of Columbia.....				Arizona.....	3.4	4,729	893

Other States not shown separately.

U.S. Bureau of the Census, 1984 Farm and Ranch Irrigation Survey, (AG84-SR-1), 1986.

No. 1064. FOREIGN OWNERSHIP OF U.S. AGRICULTURAL LAND: 1986

Number of acres, except percent. Covers "foreign persons" reporting under the Agricultural Foreign Investment Disclosure Act of 1978. As defined in the Act, a "foreign person" is any person who is not a U.S. citizen and who is not a permanent resident alien of the U.S. Foreign governments and entities are also "foreign persons." Also, each successive link in a chain of ownership containing foreign interests is considered a "foreign person." An entity is deemed a "foreign person" if it is 10 percent or more foreign owned by a single foreign person or foreign persons acting in concert, or 50 percent foreign owned by a group of foreign persons not acting in concert, none of whom individually holds a 10 percent or greater interest in the entity. Acreage figures reported do not necessarily mean that they are wholly owned by foreign investors. Covers reports received as of December 31, 1986.

CHARACTERISTIC	ACREAGE OWNED <sup>1</sup>		ACREAGE ACQUIRED <sup>2</sup>		CHARACTERISTIC	ACREAGE OWNED <sup>1</sup>		ACREAGE ACQUIRED <sup>2</sup>	
	Total	Percent	Total	Percent		Total	Percent	Total	Percent
.....	12,419	100.0	1,675	100.0	Country of foreign owner:				
Area:					Canada.....	1,551	12.5	3	.2
Less than 100 acres.....	9,838	79.2	1,645	98.2	Mexico.....	213	1.7	1	.1
100 to 249 acres.....	1,408	11.3	8	.5	Netherlands Antilles.....	525	4.2	-	-
250 to 499 acres.....	979	7.9	13	.8	Panama.....	187	1.5	2	.1
500 acres or more.....	194	1.6	8	.5	Switzerland.....	237	1.9	2	.1
By type of ownership:					United Kingdom.....	381	3.1	7	.4
Less than 100 acres.....	127	1.0	3	.2	West Germany.....	744	6.0	15	.9
100 to 249 acres.....	299	2.4	6	.4	Through U.S. interest: <sup>4</sup>				
250 to 499 acres.....	886	7.1	16	1.0	Canada.....	731	5.9	3	.2
500 acres or more.....	11,107	89.4	1,650	98.5	France.....	302	2.4	2	.1
.....					Netherlands.....	336	2.7	-	-
Less than 100 acres.....	2,112	17.0	26	1.6	Netherlands Antilles.....	230	1.9	-	-
100 to 249 acres.....	2,861	21.4	10	.6	Switzerland.....	278	2.2	1	.1
250 to 499 acres.....	6,469	52.1	1,624	97.0	United Kingdom.....	3,531	28.4	1,615	98.4
500 acres or more.....	536	4.3	6	.4	West Germany.....	475	3.8	3	.2
.....									

Percentages rounded to zero. <sup>1</sup> Landholdings by foreign interests as of Dec. 31, 1986. <sup>2</sup> Acquisitions by foreign interests from Dec. 31, 1986. <sup>3</sup> Includes other countries not shown separately. <sup>4</sup> Reports filed by U.S. corporations with foreign interests.

U.S. Dept. of Agriculture, Economic Research Service, Foreign Ownership of U.S. Agricultural Land through December 31, 1986 (Economic Research Service Staff Report AGES 870319), 1987.

## NO. 1055. FARM REAL ESTATE—SUMMARY: 1970 TO 1967

(1970 and 1975, value data as of Mar. 1; 1979-1981 and 1986-1987, as of Feb. 1; 1982-1985, as of April 1. Excludes Alaska and Hawaii. 1970 value data based on 1969 census definition of farms and farmland; beginning 1975, based on 1974 census definition, see text, section 23. Total value of land and buildings is estimated by multiplying the number of acres of farmland by the average value per acre of land and buildings. Average values are based on land-value data obtained from the census of agriculture. For intercensal years, estimates are made using indexes of average value per acre. Indexes of average value per acre are based on surveys conducted by the U.S. Dept. of Agriculture.)

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total value	Bil. dol.	215.0	358.8	653.1	763.3	843.7	843.3	804.8	793.8	886.2	987.2	548.4
Land	Bil. dol.	175.5	300.5	559.7	658.0	728.3	729.8	697.3	688.9	806.8	517.9	478.1
Buildings	Bil. dol.	39.5	58.1	93.4	105.3	115.4	113.5	107.5	105.0	90.4	79.3	73.7
Average value per acre <sup>1</sup>	Dollars	■	■	638	737	819	823	788	782	879	886	849
Index	1977 = 100	42	75	125	145	158	157	148	146	128	112	103
Average value, operating unit	\$1,000	73.0	142.5	289.3	314.4	347.3	352.0	340.3	341.8	302.4	270.3	248.3

<sup>1</sup> Land and buildings.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1970-1984, *Farm Real Estate Market Developments*, annual; thereafter, *Agricultural Land Values and Markets*, annual.

## NO. 1060. FARM REAL ESTATE—VALUE OF LAND AND BUILDINGS, BY STATE: 1960 TO 1967

[See headnote, table 1055. See also *Historical Statistics, Colonial Times to 1970*, series K 16.]

STATE	VALUE OF LAND AND BUILDINGS (mil. dol.)				AVERAGE VALUE OF LAND AND BUILDINGS, PER ACRE				INDEXES OF AVERAGE VALUE PER ACRE (1977 = 100)			
	1960	1965	1966	1967	1960	1965	1966	1967	1960	1965	1966	1967
U.S.	793,285	898,194	587,235	548,762	8737	9878	8695	8548	148	126	112	103
Alabama	9,516	8,844	8,374	8,038	780	780	761	731	148	154	152	148
Arizona	10,173	9,938	8,846	9,078	267	265	231	242	167	163	142	146
Arkansas	15,147	13,584	11,063	9,957	916	849	705	634	163	152	126	114
California	48,131	56,785	51,518	44,820	1,424	1,726	1,571	1,386	166	201	183	159
Colorado	13,832	14,954	12,199	12,443	367	435	367	364	147	154	126	129
Connecticut	1,170	1,540	1,675	1,825	2,387	3,208	3,721	4,056	126	185	215	234
Delaware	1,169	1,067	1,124	1,138	1,786	1,842	1,757	1,775	151	128	137	138
Florida	18,505	19,851	18,880	18,033	1,381	1,527	1,435	1,464	141	147	136	141
Georgia	13,440	11,878	10,683	11,003	896	885	822	846	132	116	110	113
Idaho	10,610	10,881	9,016	7,938	686	749	644	567	134	129	111	99
Illinois	58,781	37,712	32,809	29,866	2,041	1,314	1,143	1,040	135	84	78	67
Indiana	31,288	20,848	17,132	15,077	1,663	1,259	1,068	931	150	98	81	71
Iowa	62,192	35,750	28,243	25,138	1,840	1,084	841	748	139	77	51	54
Kansas	26,352	22,366	18,527	16,304	567	466	367	340	134	98	81	71
Kentucky	14,250	13,137	12,612	11,478	976	886	870	791	147	129	124	113
Louisiana	12,885	12,885	10,048	7,336	1,258	1,258	1,005	734	169	161	145	108
Maine	959	1,301	1,509	1,645	584	856	983	1,082	126	186	215	234
Maryland	6,154	5,452	4,718	4,577	2,236	2,097	1,887	1,831	166	156	142	135
Massachusetts	1,156	1,613	1,871	2,039	1,608	2,372	2,752	2,989	135	185	215	234
Michigan	12,865	11,893	10,580	9,418	1,111	1,052	936	833	136	121	108	96
Minnesota	32,806	25,019	18,271	14,798	1,086	823	608	493	154	109	81	66
Mississippi	11,967	11,774	10,521	9,153	819	835	752	654	166	165	147	126
Missouri	26,232	20,297	18,613	16,938	902	659	608	552	154	102	84	65
Montana	14,546	13,542	12,458	10,218	235	222	204	167	142	125	115	94
Nebraska	30,290	20,957	17,165	15,810	895	444	384	335	137	82	67	62
Nevada	2,230	2,015	1,753	1,858	248	229	199	211	176	173	151	160
New Hampshire	547	786	855	933	1,004	1,419	1,646	1,794	126	185	215	234
New Jersey	3,006	3,314	3,800	4,888	2,947	3,525	3,913	5,321	120	141	157	213
New Mexico	8,858	7,335	5,981	5,425	185	163	134	122	166	162	133	121
New York	6,788	7,353	7,170	8,102	720	808	824	931	119	128	131	148
North Carolina	14,262	13,414	12,206	11,840	1,219	1,242	1,130	1,086	141	142	129	125
North Dakota	18,888	14,724	12,894	11,475	405	360	317	282	136	116	102	91
Ohio	28,026	17,781	18,012	14,591	1,730	1,128	1,013	842	156	90	81	75
Oklahoma	21,244	18,678	15,875	14,130	614	566	481	428	143	126	107	95
Oregon	10,625	10,422	9,328	8,581	567	579	521	479	132	114	103	86
Pennsylvania	13,176	13,137	12,322	14,663	1,464	1,510	1,450	1,725	140	127	122	146
Rhode Island	186	243	282	308	2,523	3,325	3,889	4,217	135	185	215	234
South Carolina	5,780	4,944	4,798	4,385	900	889	872	794	130	121	117	107
South Dakota	13,140	11,125	8,588	7,941	282	250	215	178	141	101	87	72
Tennessee	13,274	13,158	12,894	13,152	978	962	962	1,012	136	127	128	131
Texas	80,255	68,346	72,515	64,539	436	652	541	482	144	229	190	168
Utah	8,572	5,982	5,449	5,177	530	514	478	454	169	165	158	146
Vermont	1,255	1,827	1,888	2,057	721	1,017	1,180	1,296	135	185	215	234
Virginia	10,074	10,474	10,997	10,657	1,028	1,091	1,148	1,111	139	140	147	143
Washington	11,997	14,880	12,988	11,586	736	923	812	723	124	151	133	118
West Virginia	2,810	1,994	1,835	1,686	689	554	537	527	150	143	139	136
Wisconsin	18,874	14,892	12,522	11,019	1,004	847	711	626	158	126	106	89
Wyoming	5,636	6,160	5,359	5,252	161	177	154	151	126	122	108	104

<sup>1</sup> Estimated by combining survey data to obtain an average rate of change for Arizona, Nevada, New Mexico, and Utah.

<sup>2</sup> Estimated using the average of the percentage changes in the Colorado, Idaho, and Montana indexes.

<sup>3</sup> Estimated by combining survey data to obtain an average rate of change for New England States.

<sup>4</sup> Estimated using the average of the percentage changes in the Alabama and Georgia indexes.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1960, *Farm Real Estate Market Developments*, annual; beginning 1966, *Agricultural Land Values and Markets*, annual.

## NO. 1057. BALANCE SHEET OF THE FARMING SECTOR: 1970 TO 1986

[In billions of dollars, except percent. As of December 31. Includes farm operator households. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 204-219, for data before revisions]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS <sup>1</sup>					
	1970	1975	1980	1984	1985	1986, pref.	1970	1975	1980	1984	1985	1986, pref.
<b>Assets</b> .....	324.0	577.0	1,102.3	948.6	846.5	789.4	771.4	873.0	1,388.2	881.7	761.2	891.8
Annual percent change <sup>2</sup> .....	4.3	12.2	13.8	-3.7	-10.9	-6.7	(2)	-4.8	5.7	9.0	-13.7	-9.1
<b>Physical assets:</b>												
Real estate.....	223.6	420.6	850.8	693.7	606.8	554.0	532.5	709.3	992.8	644.1	545.7	485.5
Non-real estate:												
Livestock and poultry <sup>3</sup> .....	23.7	29.4	80.8	49.8	46.3	47.6	56.4	49.8	70.7	48.1	41.6	41.7
Machinery, motor vehicles.....	34.4	63.1	89.5	102.7	92.4	84.5	81.9	106.4	115.9	95.4	83.1	74.1
Crops stored.....	9.0	21.1	33.0	29.8	23.1	18.4	21.4	35.6	38.5	27.5	20.8	16.1
Household furnishings, equipment.....	10.0	11.7	19.4	26.1	27.8	30.5	23.8	19.7	22.6	24.2	25.0	26.7
<b>Financial assets:</b>												
Deposits and currency.....	12.4	14.5	18.2	19.6	21.1	24.8	29.5	24.5	18.9	16.4	19.0	21.7
United States savings bonds.....	3.6	3.9	3.8	3.7	3.9	4.5	8.6	6.6	4.4	3.4	3.5	3.9
Investments in cooperatives.....	7.2	12.6	19.2	24.4	25.2	24.9	17.1	21.6	22.4	22.7	22.7	21.8
<b>Claims</b> .....	324.0	577.0	1,102.3	948.6	846.5	789.4	771.4	873.0	1,388.2	881.7	761.2	891.8
<b>Liabilities:</b>												
Real estate debt.....	30.5	49.9	97.5	112.4	105.9	95.1	72.6	84.1	113.8	104.4	95.2	83.3
Non-real estate debt.....	22.3	41.8	81.2	92.0	82.2	71.3	53.1	70.2	94.7	85.4	73.9	62.5
Operator's equities.....	271.2	485.5	923.6	745.2	658.5	623.0	645.7	618.7	1,077.7	691.9	582.2	548.0

<sup>2</sup> Less than .05 percent. <sup>1</sup> Constant dollar figures are based on gross national product implicit price deflators for year. <sup>3</sup> Average change from prior year shown; for 1970, change from 1965. For explanation of annual percent change, see Guide to Statistical Presentation. <sup>4</sup> Excludes horses and mules.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1986*, and unpublished data.

## NO. 1058. FARM DEBT OUTSTANDING, BY TYPE OF LENDER: 1970 TO 1986

[In billions of dollars, except percent. As of Dec. 31. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 361-367 and K 376-380]

LENDER	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, pref.
<b>Farm debt, total</b> .....	52.8	91.5	118.9	136.8	142.5	178.7	196.4	203.1	208.5	204.4	188.0	186.4
Annual percent change <sup>1</sup> .....	8.1	11.6	14.0	14.9	19.0	10.0	9.3	3.9	1.7	-1.0	-8.0	11.5
Farm debt/asset ratio (percent).....	16.3	15.9	15.3	15.7	16.1	16.2	17.7	19.0	18.7	21.5	22.2	21.1
<b>Real estate debt</b> .....	30.5	49.9	83.9	72.6	86.8	97.5	107.2	111.3	113.7	112.4	105.9	95.1
Federal land banks.....	7.1	16.0	21.5	24.8	29.8	36.2	43.8	47.8	48.9	49.2	44.7	37.0
Life insurance companies.....	5.6	8.7	8.8	10.5	12.2	12.9	13.1	12.8	12.7	12.4	11.8	10.9
Commercial and savings banks.....	3.8	8.3	7.6	8.6	8.6	8.6	8.3	8.4	9.3	10.2	11.4	12.7
Farmers Home Administration <sup>2</sup> .....	2.4	3.4	4.0	4.1	4.9	6.2	6.9	9.2	9.5	10.1	10.4	10.3
Individuals and others <sup>3</sup> .....	11.4	17.9	21.9	23.6	27.9	30.2	31.8	32.0	32.3	29.9	27.2	24.0
FCC <sup>4</sup> storage and drying facilities loans.....	1	.2	.5	1.1	1.4	1.5	1.3	1.1	0	6	3	1
<b>Non-real estate debt</b> .....	22.3	41.8	55.0	63.8	75.7	81.2	88.2	91.8	92.7	92.0	82.2	71.3
Commercial and savings banks.....	11.1	20.2	25.7	26.3	31.0	31.6	32.9	36.1	39.0	39.8	35.5	31.2
Production credit associations <sup>5</sup> .....	5.5	11.1	13.9	15.6	16.8	20.5	22.1	21.4	20.2	18.8	14.8	11.3
Farmers Home Administration.....	.8	1.8	3.1	5.8	9.3	11.4	14.4	14.7	14.8	15.6	16.7	16.4
Individuals and others <sup>6</sup> .....	4.9	8.6	12.2	14.3	18.6	17.7	15.8	19.5	18.9	16.0	15.4	12.4

Annual change from prior year shown; for 1970, change from 1965. For explanation of annual percent change, see Guide to Statistical Presentation. <sup>2</sup> Includes direct and insured farm ownership, farm housing, soil and water and recreation loans secured from real estate. <sup>3</sup> Includes seller and other individual financing of farm real estate sales and unclassified credit sources. Commodity Credit Corporation. <sup>4</sup> Also includes Federal intermediate credit bank loans to financial groups other than production credit associations. <sup>5</sup> Includes merchants and dealers, individuals, Small Business Administration, and all other unclassified credit sources.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1986*.

# NO. 1069. FARMS AND FARM OPERATOR DEBT—PERCENTAGE DISTRIBUTION BY DEBT/ASSET RATIO: 1967

[As of January 1. A farm is a crop or livestock farm if 50 percent or more of its commodity receipts derive from the sale of crop or animal products, respectively. A crop or livestock farm is further categorized as a particular type if 50 percent of its crop or, if applicable, livestock receipts come from a specific commodity area. Based on Farm Costs and Returns Survey conducted in February–March 1967 for the 1966 calendar year]

VALUE OF SALES AND TYPE OF FARM	FARMS—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO				FARM OPERATOR DEBT—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO			
	Total	Less than 40 percent	40–70 percent	Over 70 percent	Total	Less than 40 percent	40–70 percent	Over 70 percent
All farms	100.0	78.4	13.8	8.8	100.0	32.8	34.8	32.1
Less than \$10,000	100.0	88.1	7.9	4.0	100.0	44.7	38.4	16.9
\$10,000–\$19,999	100.0	83.6	9.5	6.8	100.0	38.0	32.7	29.3
\$20,000–\$39,999	100.0	80.2	13.3	6.5	100.0	33.8	34.4	31.8
\$40,000–\$99,999	100.0	87.4	17.7	14.9	100.0	31.8	31.4	36.7
\$100,000–\$249,999	100.0	84.4	20.6	15.1	100.0	32.0	34.1	33.9
\$250,000–\$499,999	100.0	81.2	23.3	15.5	100.0	33.1	34.6	32.3
\$500,000 and over	100.0	59.3	24.5	16.2	100.0	28.0	35.1	36.9
Cash grain	100.0	88.1	17.3	14.6	100.0	28.3	35.0	36.7
Field crop	100.0	79.4	10.8	10.0	100.0	25.8	35.1	39.1
Vegetable, fruit, and nut	100.0	83.4	10.0	6.6	100.0	28.0	34.3	37.7
Nursery	100.0	85.8	11.9	2.3	100.0	56.9	28.8	15.5
General crop	100.0	81.6	9.7	8.7	100.0	34.8	29.2	36.0
General livestock	100.0	85.3	10.0	4.7	100.0	38.2	35.4	26.4
Dairy	100.0	89.0	18.0	13.0	100.0	34.2	34.8	31.0
Poultry and egg	100.0	87.8	22.0	10.2	100.0	34.8	40.9	24.3
Other livestock	100.0	82.5	11.8	5.8	100.0	54.3	27.0	18.7

Source: U.S. Dept. of Agriculture, Economic Research Service, *Financial Characteristics of U.S. Farms, January 1, 1967* (AIB No. 525), 1967

## NO. 1070. FARMS, FARM INCOME, ASSETS, AND DEBT, BY VALUE OF SALES: 1966

[Minus sign (–) indicates loss]

FARMS WITH VALUE OF SALES OF—	Number of farms <sup>1</sup> (1,000)	Gross income <sup>2</sup> (bil. dol.)	Cash receipts (bil. dol.)	Net income <sup>3</sup> (bil. dol.)	Assets <sup>4</sup> (bil. dol.)	Debt <sup>5</sup> (bil. dol.)	Debt to asset ratio <sup>6</sup> (percent)	PERCENT DISTRIBUTION			
								Number of farms <sup>1</sup>	Gross income <sup>2</sup>	Net income <sup>3</sup>	Assets <sup>4</sup>
Total	2,212	162.8	136.2	40.6	788.4	168.4	21.1	100.0	100.0	100.0	100.0
Less than \$5,000	987	7.0	1.8	–.9	103.2	10.8	10.6	40.1	1.9	–2.3	13.6
\$5,000–\$9,999	285	3.7	1.8	–	41.3	5.0	12.1	12.0	1.8	–.1	5.2
\$10,000–\$19,999	227	5.0	3.2	.1	49.2	7.0	14.2	10.7	2.8	.2	6.3
\$20,000–\$39,999	223	8.7	6.1	1.1	68.9	10.7	16.0	10.1	5.1	2.7	8.5
\$40,000–\$99,999	204	23.7	18.7	4.3	144.2	28.8	19.8	13.3	14.7	10.4	18.3
\$100,000–\$249,999	210	37.6	31.8	8.4	180.9	41.1	22.7	9.5	23.9	23.1	22.9
\$250,000–\$499,999	88	28.1	22.8	8.2	101.5	25.3	24.9	3.0	18.8	30.0	12.8
\$500,000 and over	29	11.1	49.1	18.7	102.3	37.9	37.0	1.3	33.3	45.9	13.6

– Represents or rounds to zero. <sup>1</sup> Based on 1974 census definition. See text, section 23. <sup>2</sup> Data are before inventory adjustment. For components of income, see table 1074. <sup>3</sup> Data as of December 31. Includes farm households.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1966*.

## NO. 1071. INDICATORS OF FINANCIAL STRESS IN AGRICULTURE, 1960 TO 1966, AND BY FARM REGION, 1966

[In percent. For years ending in June, except as noted. Based on a survey of approximately 1,000 bankers which reflects their perception of farm financial conditions in their lending areas]

FINANCIAL STRESS INDICATOR	1960	1963	1964	1965	1966					
					Total	North-east <sup>1</sup>	Corn Belt <sup>2</sup>	South <sup>3</sup>	Plains <sup>4</sup>	West <sup>5</sup>
Average delinquency rate <sup>6,7</sup>	(NA)	3.7	4.4	5.3	6.0	6.9	5.4	5.2	6.0	5.2
Farm borrowers who had bank financing discontinued	4.5	2.9	3.4	4.5	5.8	6.2	4.8	6.6	5.1	5.7
Farm borrowers loaned-up to practical limit <sup>8</sup>	27	28	33	37	39	37	34	50	40	44
Farmers in bank lending area who went out of business	2.1	2.3	3.6	4.8	6.2	7.1	5.5	6.8	5.8	6.3
Farmers in bank lending area who went through bankruptcy	(NA)	1.1	2.8	3.8	4.2	3.9	4.0	6.5	3.8	3.6

NA Not available. <sup>1</sup> ME, NH, VT, MA, RI, CT, NY, NJ, PA, DE, MD, DC, MI, WI, and MN. <sup>2</sup> OH, IN, IL, IA, and MO. <sup>3</sup> VA, WV, NC, SC, GA, FL, KY, TN, AL, MS, AR, and LA. <sup>4</sup> ND, SD, NE, KS, OK, and TX. <sup>5</sup> MT, ID, WY, CO, NM, AZ, UT, NV, WA, OR, CA, AK, and HI. <sup>6</sup> Percentage of dollar farm loan volume 30 days or more delinquent. <sup>7</sup> As of June of year shown. <sup>8</sup> Farm customers who have reached their maximum debt load.

Source: American Bankers Association, Washington, DC, *Agricultural Banker*, selected issues.

## NO. 1072. FARM ASSETS AND DEBT, BY STATE: 1964 TO 1966

(As of December 31. Includes farm operator households)

ASSETS (bil. dol.)			DEBT (bil. dol.)			Debt/ asset ratio, 1966 (per- cent)	DIVISION AND STATE	ASSETS (bil. dol.)			DEBT (bil. dol.)			Debt/ asset ratio, 1966 (per- cent)
1964	1965	1966	1964	1965	1966			1964	1965	1966	1964	1965	1966	
989	946	799	204	188	166	21.1	S.A.—							
							Con.							
2.0	2.2	2.4	.4	.4	.4	16.7	WV	3.2	3.0	3.0	.4	.3	.3	10.0
1.1	1.2	1.2	1	1	1	6.1	NC	19.2	17.3	17.0	4.1	3.7	3.2	16.9
2.6	2.6	2.9	.4	.4	.4	11.6	SC	7.1	6.8	6.3	1.7	1.5	1.3	20.4
2.2	2.5	2.7	.2	.2	.2	6.0	GA	16.2	15.5	15.6	4.5	4.1	3.5	22.4
.3	.3	.4	(2)	(2)	(2)	7.0	FL	23.7	22.5	23.1	4.4	4.1	3.5	15.2
2.1	2.3	2.4	.3	.2	.2	6.7								
							E.S.C.:							
							KY	19.5	18.7	17.4	3.9	3.7	3.3	19.0
							TN	19.1	19.1	19.2	3.1	2.7	2.4	12.8
13.0	12.7	13.2	3.0	2.8	2.6	19.8	AL	12.3	12.1	11.4	2.5	2.2	1.9	17.1
4.4	4.7	6.0	.5	.5	.4	6.9	MS	16.0	14.5	13.0	4.3	3.9	3.5	26.9
19.1	18.3	20.6	3.0	2.7	2.5	12.3								
							W.S.C.:							
							AR	16.2	15.8	14.2	4.1	3.8	3.4	24.1
26.2	24.0	22.5	4.9	4.4	3.8	17.3	LA	16.3	13.5	10.7	3.2	2.9	2.6	24.4
32.3	25.2	22.4	7.3	6.5	5.7	25.3	OK	25.2	22.3	20.6	5.5	5.3	4.6	22.3
50.7	44.7	40.8	10.8	9.7	8.6	21.1	TX	107.0	90.2	81.7	13.3	13.1	11.9	14.8
18.3	16.8	15.1	4.4	4.2	3.7	24.7								
26.9	23.7	21.4	7.3	6.8	6.1	26.6								
							MT	17.8	16.2	14.0	4.0	3.7	3.3	23.9
							ID	14.8	12.6	11.4	3.5	3.3	2.9	25.3
36.8	31.0	26.4	10.7	9.8	8.3	31.3	WY	7.8	6.9	6.8	1.2	1.0	.9	13.7
52.7	43.9	39.8	15.8	13.4	11.5	28.8	CO	19.6	16.6	16.6	4.6	4.2	3.5	21.1
30.1	26.2	25.6	6.9	6.3	5.5	20.8	NM	9.1	7.6	7.0	1.4	1.3	1.2	16.9
21.5	19.3	17.7	4.8	4.5	4.1	23.2	AZ	11.4	10.1	10.5	1.9	1.8	1.8	16.9
17.5	15.3	13.2	5.1	4.6	4.0	29.9	UT	7.8	7.5	6.7	1.1	1.0	.9	13.2
31.4	26.8	24.9	9.4	8.2	7.0	28.2	NV	2.6	2.3	2.4	.4	.4	.4	15.9
31.8	27.5	25.1	7.7	7.0	6.1	24.1								
							Pac.:							
1.4	1.4	1.5	.4	.3	.3	19.2	WA	10.4	17.4	15.6	3.6	3.7	3.3	20.7
7.5	6.7	6.4	1.2	1.1	1.0	16.0	OR	14.2	13.0	12.3	3.3	3.0	2.9	23.9
14.9	15.2	15.0	2.3	2.2	2.1	13.7	CA	69.1	63.7	56.8	17.6	16.3	14.2	25.0
							AK	.5	.5	.4	(2)	(2)	(2)	8.2
							HI	4.2	4.2	4.1	.4	.4	.4	6.9

than \$50 million.

U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary*.

## NO. 1073. GROSS FARM PRODUCT—SUMMARY: 1970 TO 1966

In billions of dollars. For definition of gross product, see text, section 14. Minus sign (—) indicates decrease

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS												
1 of farm output <sup>1</sup>	56.1	69.6	107.0	125.7	148.5	148.4	164.3	169.0	142.8	166.8	168.5	146.1
receipts cash receipts <sup>2</sup>	50.6	59.9	95.2	112.2	131.5	130.8	142.1	142.9	133.1	141.7	144.9	133.7
ducts consumed <sup>3</sup>	8	1.1	1.2	1.1	1.2	1.1	1.1	1.0	1.1	1.1	.9	.9
n farm inventories	—	3.4	1.1	2.1	5.0	5.9	5.8	1.4	7.5	7.1	—3.6	1.1
total value of farm housing	3.3	5.4	7.3	8.1	9.3	11.0	12.6	12.9	12.1	12.2	10.9	9.9
mediate products purchased <sup>4</sup>	28.6	49.5	56.5	65.4	77.7	82.9	84.5	82.0	83.6	69.2	63.4	72.7
see farm product	26.3	50.3	50.4	60.3	71.8	65.5	79.8	77.0	59.3	77.8	75.1	78.4
al consumption allowances <sup>5</sup>	5.9	10.4	12.9	14.5	16.4	19.9	20.8	22.0	22.4	22.5	22.0	21.3
ot business taxes	2.0	2.5	2.8	2.8	3.0	3.0	3.2	3.3	3.2	3.0	3.1	3.0
See to farm operators	3.2	7	1.7	2.5	1.1	1.1	1.6	2.4	7.9	7.0	6.3	9.6
net national income	21.7	38.1	38.4	45.5	53.4	44.7	67.3	64.0	41.7	59.2	58.3	61.8
NETANT (1982) DOLLARS												
1 of farm output <sup>1</sup>	135.2	136.6	144.8	149.8	155.8	151.7	198.3	199.0	143.1	169.2	163.6	162.7
receipts cash receipts <sup>2</sup>	112.7	117.4	127.5	129.6	132.5	136.5	136.9	142.9	132.4	133.2	150.8	146.7
ducts consumed <sup>3</sup>	1.7	2.0	1.7	1.5	1.4	1.2	1.1	1.0	1.1	1.0	1.0	.9
n farm inventories	.8	1.4	—1.8	.6	4.6	4.7	4.9	1.4	—6.3	4.6	—4.6	1.6
total value of farm housing	16.3	16.4	15.7	15.4	14.9	14.3	13.6	12.9	12.3	12.1	11.7	11.4
mediate products purchased <sup>4</sup>	74.5	73.8	82.6	88.6	91.2	87.8	83.5	82.0	81.8	66.7	64.6	78.0
see farm product	69.7	64.8	62.2	67.0	64.6	64.3	75.7	77.0	61.3	68.5	78.9	84.7
al consumption allowances <sup>5</sup>	16.0	19.0	20.4	21.0	21.7	22.3	22.2	22.0	21.4	20.8	20.0	19.0
ot business taxes	2.6	2.8	2.7	2.6	2.8	2.8	3.3	3.3	2.7	3.0	3.4	3.7
See to farm operators	1.6	1.8	1.9	2.0	2.1	2.3	2.2	2.4	2.0	2.0	2.5	2.4
net national income	43.7	44.7	41.1	38.3	42.2	41.4	52.4	54.0	29.3	46.8	58.0	64.4

ents zero. <sup>1</sup> Includes other farm income not shown separately. <sup>2</sup> Includes net CCC loans. <sup>3</sup> In farm where raised. <sup>4</sup> Net of defaulters' gain. <sup>5</sup> With capital consumption adjustment.

U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Current Business*, July issues.



## NO. 1074. FARM INCOME AND EXPENSES: 1970 TO 1986

(In billions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K 192, K 254-260, K 264-265, and K 324)

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Gross income from farming	58.8	100.8	108.8	128.4	180.7	149.3	188.3	183.5	153.1	174.7	188.8	188.5
Cash income	54.8	90.7	99.3	117.3	135.1	143.3	146.0	150.6	150.4	155.1	156.9	152.1
Marketing, cash receipts	50.5	88.9	95.2	112.4	131.5	139.7	141.6	142.6	135.6	142.3	144.2	135.2
Crops <sup>1</sup>	21.0	45.8	48.6	53.2	62.3	71.7	72.5	72.3	67.1	69.4	74.4	63.6
Net CCC loans <sup>2</sup>	1	.2	3.6	(2)	9	5	3.1	9.1	7	.8	11.8	8.3
Livestock	29.5	43.1	47.6	59.2	69.2	68.0	69.2	70.3	69.4	72.9	69.8	71.6
Government payments	3.7	.8	1.6	2.0	1.4	1.3	1.9	3.5	9.3	8.4	7.7	11.8
Other farm income <sup>3</sup>	.8	1.0	1.2	1.9	2.2	2.3	2.5	4.5	4.5	4.4	5.0	5.1
Value of home consumption	.8	1.1	1.2	1.2	1.3	1.2	1.2	1.1	1.1	1.1	.9	.9
Rental value of dwellings	3.3	5.4	7.3	6.1	9.3	11.0	12.6	13.1	12.5	12.3	10.8	9.9
Value of change in inventories <sup>4</sup>	(2)	-3.4	1.1	1.9	5.0	-8.3	-6.5	-1.4	-10.9	6.2	2.7	3.3
Expenses of farm production	44.8	76.1	86.0	103.3	123.9	133.1	136.4	146.8	140.4	142.7	133.7	122.1
Intermediate products	25.2	42.5	49.8	60.2	71.9	76.1	76.6	73.7	75.8	76.0	72.0	66.4
Farm origin	13.3	20.0	23.5	28.8	35.2	34.9	33.3	31.4	33.5	32.8	30.4	28.8
Feed purchased	8.0	12.9	14.0	16.0	19.3	21.0	20.9	18.6	21.7	19.9	18.0	16.2
Livestock and poultry purchased	4.3	5.0	7.1	10.2	13.0	10.7	9.0	9.7	8.8	8.5	9.0	9.9
Seed purchased <sup>5</sup>	9	2.1	2.5	2.8	2.9	3.2	3.4	3.2	3.0	3.4	3.4	3.0
Manufactured inputs	5.4	12.4	13.9	15.3	17.9	22.4	23.9	22.2	20.9	21.5	20.9	17.0
Fertilizer and lime	2.4	6.7	6.5	6.6	7.4	9.5	9.4	8.0	7.1	7.4	7.3	5.8
Pesticides	1.0	1.9	1.9	2.7	3.4	3.5	4.2	4.3	4.2	4.8	4.8	4.3
Fuel and oil	1.7	3.3	4.4	4.6	5.6	7.9	8.6	7.9	7.3	7.1	6.6	4.8
Electricity	.3	.8	1.1	1.4	1.4	1.5	1.7	2.0	2.1	2.2	2.1	2.1
Repairs and maintenance <sup>6</sup>	2.8	4.5	5.8	6.6	7.3	7.6	7.6	6.4	6.5	6.4	6.4	6.4
Other <sup>7</sup>	3.7	5.6	6.7	8.5	11.5	11.2	11.9	13.6	14.9	15.3	14.4	13.2
Interest	3.4	6.4	6.5	10.2	13.1	16.3	19.9	21.8	21.4	21.1	18.7	16.9
Real estate	1.6	3.3	4.3	5.1	6.2	7.5	9.1	10.5	10.8	10.7	9.9	9.1
Non-real estate	1.6	3.1	4.2	5.2	6.9	8.7	10.7	11.3	10.6	10.4	8.8	7.8
Contract and hired labor expenses <sup>8</sup>	4.3	6.6	6.0	8.3	9.0	9.3	8.9	10.1	9.7	9.7	9.8	9.8
Net rent to nonoperator landlords	2.1	4.0	3.4	4.0	6.2	6.1	6.2	6.1	5.1	6.6	6.1	6.7
Capital consumption <sup>9</sup>	6.9	12.4	15.5	17.0	19.3	21.5	23.6	24.3	23.9	23.1	20.9	19.0
Property taxes	2.6	3.2	3.7	3.6	3.9	3.9	4.2	4.0	4.5	4.1	4.2	4.1
Net income of farm operators from farming	14.4	25.6	18.8	25.2	27.4	16.1	28.9	23.6	12.7	32.0	32.3	37.5
In constant (1982) dollars	34.2	43.1	29.5	34.9	34.9	18.8	26.6	23.5	12.2	29.7	29.0	32.6

2 Less than \$50 million. <sup>1</sup> Forest product sales are included in cash receipts for crops from 1970 to 1977 and in other farm income beginning 1978. <sup>2</sup> Commodity Credit Corporation (CCC) loans made minus loans repaid. <sup>3</sup> Minus sign (-) indicates decrease in inventories. <sup>4</sup> Includes bulbs, plants, and trees. <sup>5</sup> Expenditures for repairs and maintenance of farm buildings, motor vehicles, and machinery. <sup>6</sup> Includes machine hire and customwork expenses; marketing, storage, and transportation expenses and miscellaneous expenses. Beginning 1978 data not strictly comparable with prior years. <sup>7</sup> Includes Social Security payments and perquisites. <sup>8</sup> Depreciation and accidental damage.

## NO. 1075. NET CASH INCOME AND NET CASH FLOW FROM FARMING: 1970 TO 1986

(In billions of dollars. Net cash income is for farm operators from their farming operation and net cash flow is for the agricultural sector. Minus sign (-) indicates net loan redemption)

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Net cash income	18.4	29.6	27.9	33.1	33.4	34.2	32.6	36.1	37.1	38.8	47.3	52.0
Gross cash income	54.8	90.7	99.3	117.3	135.1	143.3	146.0	150.6	150.4	155.1	156.9	152.1
Cash expenses	36.4	61.1	71.4	84.2	101.7	109.1	113.2	112.5	113.3	116.3	109.6	100.1
Change in loans outstanding	2.3	9.2	14.8	16.5	24.2	15.2	15.5	7.2	3.2	-1.0	-15.6	-20.6
Real estate loans	1.1	4.6	7.9	8.3	13.0	9.9	9.0	3.8	2.3	-1.1	-6.0	-10.2
Nonreal estate loans <sup>1</sup>	1.2	4.6	6.8	8.3	11.2	5.3	6.5	3.4	.9	-.8	-9.6	-10.5
Net change in operators' currency and demand deposits	1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.7	1.1
Net rent received by nonoperator landlords	2.1	4.0	3.4	4.0	6.2	6.1	6.2	6.1	5.1	6.6	6.1	6.7
Capital expenditures	6.8	12.4	15.0	17.9	20.1	18.0	16.8	13.3	12.7	12.5	9.6	8.9
Net cash flow <sup>2</sup>	16.1	30.5	31.1	35.8	43.8	37.6	37.8	38.3	22.9	33.3	30.8	30.5

<sup>1</sup> Excludes Commodity Credit Corporation loans. <sup>2</sup> Net cash income plus change in loans outstanding plus net change in currency and demand deposits plus net rent received by non-operator landlords minus capital expenditures.

Source of tables 1074 and 1075. U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual.

## NO. 1076. FARM INCOME—CASH RECEIPTS FROM FARM MARKETINGS: 1970 TO 1986

Represents gross receipts from commercial market sales as well as net Commodity Credit Corporation loans. See also *Historical Statistics, Colonial Times to 1970*, series K 286-302]

ITEM	FARM MARKETINGS (mil. dol.)								PERCENT		
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1986
Total	50,508	86,902	132,737	142,884	136,680	142,314	144,183	135,185	100.0	100.0	100.0
crops	20,977	45,813	71,746	72,338	67,143	69,378	74,413	63,812	41.5	61.3	47.1
Feed crops	5,109	12,163	18,308	17,409	15,535	15,831	22,479	17,849	10.1	13.1	13.2
Corn	3,326	8,530	13,959	12,764	10,857	10,671	16,821	13,291	6.6	10.0	9.8
Hay	814	1,387	1,917	2,002	2,157	2,322	2,348	2,140	1.2	1.4	1.6
Sorghum	841	1,302	1,392	1,509	1,220	1,459	1,970	1,391	1.3	1.0	1.0
Barley	296	625	736	803	991	1,070	1,042	857	.6	.5	.6
Oil-bearing crops	3,581	7,480	15,493	13,817	13,546	13,894	12,595	10,507	7.1	11.1	7.8
Soybean	3,164	6,637	14,241	12,525	12,154	12,211	11,305	9,171	6.3	10.2	6.8
Peanuts	360	742	807	814	802	1,233	1,006	1,065	.7	.4	.8
Food grains	2,542	8,195	10,402	11,412	9,713	9,576	9,080	5,848	5.0	7.4	4.4
Wheat	2,067	7,026	8,654	9,656	8,777	8,474	7,927	5,175	4.1	6.3	3.8
Rice	447	1,136	1,619	1,515	882	1,043	1,114	744	.1	1.1	.8
Vegetables <sup>1</sup>	2,814	5,346	7,307	8,063	8,482	9,142	8,558	8,705	5.6	5.2	6.4
Fruits, tree nuts <sup>2</sup>	2,071	3,563	6,557	6,646	6,064	6,766	6,836	6,900	4.1	4.7	5.1
Cotton lint, seed	1,254	2,311	4,447	4,457	3,705	3,270	3,730	2,920	2.5	3.2	2.2
Tobacco	1,388	2,155	2,672	3,342	2,788	2,841	2,722	1,918	2.7	1.9	1.4
Other <sup>3</sup>	2,208	4,579	8,580	6,993	7,352	8,067	8,413	8,885	4.4	4.7	6.6
livestock and products	29,532	43,089	67,991	70,257	69,437	72,936	69,760	71,573	58.5	48.7	52.9
Cattle and calves	13,633	17,520	31,819	29,813	28,682	30,682	29,057	29,951	27.0	22.8	21.4
Dairy products	6,527	9,923	16,365	18,234	18,763	17,944	18,063	17,824	12.9	11.7	13.2
Hogs	4,478	7,918	8,942	10,659	9,785	9,703	9,029	9,702	8.9	6.4	7.2
Broilers	1,464	2,953	4,303	4,461	4,873	6,006	5,680	6,780	2.9	3.1	5.0
Eggs	2,109	2,814	3,247	3,439	3,449	4,089	3,253	3,515	4.2	2.3	2.6
Turkeys, other poultry <sup>4</sup>	494	808	1,482	1,501	1,510	1,926	2,108	2,255	1.0	1.1	1.7
Sheep and lambs	334	386	471	445	428	486	503	484	.7	.3	.4
Farm chickens	100	110	126	119	147	170	152	128	.2	.1	.1
Other <sup>4</sup>	383	659	1,234	1,586	1,801	1,968	1,937	1,934	.8	.9	1.4

<sup>1</sup> Melons included with vegetables. <sup>2</sup> Super crops, greenhouse and nursery products, forest products (for 1970 and 1975), gums and grass seeds, hops, mint, broom-corn, popcorn, hemp fiber and seed, and flax fiber. <sup>3</sup> Ducks, geese, guinea, peacocks, quail, pheasants, and turkey hatching eggs. <sup>4</sup> Wool, mohair, honey, horses/mules, aquaculture, and other livestock.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector, National Financial Review*, 1988.

## NO. 1077. GOVERNMENT PAYMENTS TO FARMS, BY PROGRAM AND VALUE OF FARM SALES: 1980 TO 1986

[In millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K 326-329]

ITEM	1980	1983	1984	1985	1986
Total	1,286	8,295	8,439	7,705	11,813
PROGRAM					
aid grain	362	1,346	367	2,661	5,166
aid oil	211	664	1,795	1,950	3,500
aid cotton	172	682	275	1,108	1,042
aid other	2	278	192	577	423
aid of conservation	26	84	118	98	112
aid miscellaneous	214	186	191	169	140
	276	5,674	5,493	5,924	1,439
VALUE OF FARM SALES					
less than \$5,000	47	131	73	78	181
\$5,000-\$9,999	51	66	102	103	214
\$10,000-\$19,999	59	291	236	206	474
\$20,000-\$39,999	146	585	589	681	1,242
\$40,000-\$99,999	414	1,986	1,899	1,697	3,066
\$100,000-\$249,999	262	3,027	3,122	2,536	3,844
\$250,000-\$499,999	195	1,779	1,445	1,346	1,734
\$500,000 and over	91	1,401	884	647	1,059

includes value of commodities transferred to farmers under the payment-in-kind program (PIK). For 1983, \$5.2 billion; for 1984, \$5.1 billion; and for 1985, \$1.1 billion. <sup>1</sup> Farms with sales of \$100,000-\$199,999. <sup>2</sup> Farms with sales of \$200,000-\$499,999.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector, National Financial Review*, 1988.

**NO. 1078. FARM INCOME—FARM MARKETINGS, 1965 AND 1966, GOVERNMENT PAYMENTS, 1966, AND  
PRINCIPAL COMMODITIES, 1966, BY STATE**

[In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery. See table 1074]

DIVISION AND STATE	1965			1966			Government payments	State rank for total farm marketings and principal commodities in order of marketing receipts and as percentage of total marketings, 1966
	Farm marketings			Farm marketings				
	Total	Crops	Live-stock and products	Total	Crops	Live-stock and products		
U.S.	144,193	74,413	69,780	135,185	63,612	71,573	11,613	Cattle, dairy products, corn, hogs (52%)
N.E.	1,679	680	999	1,742	734	1,008	32	
ME	306	137	229	365	143	223	7	45—Dairy products, potatoes, eggs, cattle (75%)
NH	106	36	70	109	36	72	3	46—Dairy products, greenhouse, apples, cattle (77%)
VT	387	34	354	396	36	361	12	43—Dairy products, cattle, hay, apples (93%)
MA	360	262	126	423	292	131	6	42—Greenhouse, cranberries, dairy prod., eggs (75%)
RI	78	62	14	75	63	12	(2)	49—Greenhouse, dairy products, eggs, potatoes (67%)
CT	354	150	205	372	162	210	4	44—Eggs, greenhouse, dairy products, tobacco (78%)
M.A.	9,361	2,176	4,175	6,276	2,061	4,197	128	
NY	2,576	730	1,647	2,533	724	1,809	77	21—Dairy products, greenhouse, cattle, eggs (74%)
NJ	567	443	144	560	430	150	6	37—Greenhouse, dairy products, eggs, peaches (49%)
PA	3,167	1,003	2,164	3,165	926	2,239	45	15—Dairy products, cattle, greenhouse, eggs (68%)
E.N.C.	24,675	14,262	10,584	22,321	11,366	10,962	2,066	
OH	4,117	2,602	1,515	3,610	2,043	1,566	266	12—Corn, soybeans, dairy products, hogs (66%)
IN	4,791	3,063	1,728	4,110	2,256	1,852	411	10—Corn, hogs, soybeans, cattle (75%)
IL	7,970	5,915	2,055	6,860	4,737	2,143	663	5—Corn, soybeans, hogs, cattle (90%)
MI	2,923	1,692	1,231	2,664	1,429	1,236	221	19—Dairy products, corn, cattle, hogs (56%)
WI	5,075	1,019	4,055	5,057	692	4,164	266	6—Dairy products, cattle, corn, hogs (65%)
W.N.C.	36,721	18,507	20,214	35,612	15,566	20,214	5,061	
MIN.	6,594	3,223	3,370	6,074	2,660	3,395	602	6—Dairy products, corn, cattle, hogs (65%)
IA	9,466	4,562	4,883	9,106	4,124	4,982	1,161	2—Hogs, corn, cattle, soybeans (92%)
MO	3,668	1,763	1,924	3,516	1,566	1,930	276	13—Soybeans, cattle, hogs, corn (71%)
ND	2,666	2,001	667	2,299	1,623	676	700	24—Wheat, cattle, barley, sunflower (66%)
SD	3,057	1,157	1,900	2,463	936	1,525	363	22—Cattle, hogs, corn, wheat (73%)
NE	7,341	3,227	4,113	6,926	2,666	4,260	668	4—Cattle, corn, hogs, soybeans (67%)
KS	5,666	2,552	3,336	5,425	1,976	3,447	671	7—Cattle, wheat, sorghum grain, corn (63%)
S.A.	16,666	9,066	7,461	16,116	8,106	6,010	377	
DE	492	139	353	520	116	402	7	41—Broilers, soybeans, corn, greenhouse (62%)
MD	1,220	456	764	1,166	371	614	32	34—Broilers, dairy products, greenhouse, cattle (71%)
VA	1,664	623	1,062	1,613	466	1,127	43	30—Cattle, dairy products, broilers, turkeys (57%)
WV	247	56	191	227	71	156	6	47—Dairy products, broilers, apples, cattle (70%)
NC	3,929	1,971	1,958	3,782	1,606	2,174	90	11—Tobacco, broilers, hogs, turkeys (57%)
SC	1,036	621	415	664	440	455	54	36—Tobacco, cattle, soybeans, dairy products (43%)
GA	3,277	1,550	1,727	3,206	1,324	1,882	116	14—Broilers, peanuts, eggs, cattle (60%)
FL	4,704	3,661	1,022	4,666	3,666	1,000	26	6—Greenhouse, oranges, tomatoes, sugar (51%)
E.S.C.	9,361	4,667	4,694	8,107	3,296	4,919	460	
KY	2,934	1,563	1,362	2,366	1,079	1,311	69	23—Tobacco, horses, cattle, dairy products (70%)
TN	2,091	1,061	1,000	1,924	661	1,033	66	27—Cattle, dairy products, greenhouse, soybeans (57%)
AL	2,074	773	1,301	2,006	576	1,431	60	25—Broilers, cattle, eggs, peanuts (60%)
MS	2,250	1,240	1,011	1,765	741	1,044	193	26—Broilers, cotton, soybeans, cattle (66%)
W.S.C.	16,662	7,396	9,463	15,459	5,546	9,911	1,646	
AR	3,433	1,607	1,825	3,022	1,005	2,017	314	17—Broilers, soybeans, rice, cattle (67%)
LA	1,465	693	491	1,372	669	503	160	32—Soybeans, cotton, cattle, sugar (50%)
OK	2,663	957	1,726	2,622	746	1,875	363	20—Cattle, wheat, dairy products, broilers (76%)
TX	9,262	3,641	5,441	8,444	2,926	5,516	976	3—Cattle, cotton, dairy products, greenhouse (66%)
Mt.	10,473	4,266	6,206	10,120	3,640	6,381	1,036	
MT	1,226	422	804	1,213	463	720	366	33—Cattle, wheat, barley, hay (85%)
ID	2,093	1,219	874	1,925	1,042	884	223	26—Cattle, dairy products, potatoes, wheat (64%)
WY	600	123	478	566	111	455	29	40—Cattle, sheep, sugar beets, hay (66%)
CO	3,161	1,097	2,064	3,106	690	2,216	235	16—Cattle, wheat, corn, dairy products (60%)
NM	1,066	366	716	1,010	302	706	62	35—Cattle, dairy products, hay, chili peppers (74%)
AZ	1,506	613	893	1,465	796	669	64	31—Cattle, cotton, dairy products, lettuce (64%)
UT	555	142	413	570	134	437	36	39—Cattle, dairy products, turkeys, hay (71%)
NV	225	61	144	232	72	160	9	46—Cattle, hay, dairy products, potatoes (66%)
Pac.	19,273	13,306	5,964	19,230	13,066	6,171	622	
WA	2,634	1,906	626	2,793	1,812	981	266	16—Dairy products, cattle, apples, wheat (56%)
OR	1,737	1,115	622	1,764	1,135	649	126	29—Cattle, greenhouse, dairy products, wheat (47%)
CA	14,150	9,626	4,324	14,049	9,602	4,446	366	1—Dairy products, cattle, greenhouse, grapes (39%)
AK	26	18	8	29	19	10	1	50—Greenhouse, dairy products, hay, potatoes (62%)
HI	526	443	83	575	491	84	7	38—Sugar, pineapples, greenhouse, nuts (74%)

2 Less than \$500 thousand.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary, 1966*.

## NO. 1079. FARM INCOME, 1985 AND 1986, AND INCOME/DEBT RATIO, 1986, BY STATE

Income data are after inventory adjustment. Includes farm operator households. For farm debt data by State, see table 1072. Minus sign (-) indicates net loss.

STATE AND DISTRICT	GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm income/debt ratio, 1986 (per cent)	DIVISION AND STATE	GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm income/debt ratio, 1986 (per cent)
	1985	1986	1985	1986			1985	1986	1985	1986	
AL	106,029	106,630	32,334	37,487	22.5	U.S.—Con.					
AK	460	432	51.1	37.7	10.0	WV	353	365	36.3	65.8	22.0
AR	147	151	31.5	37.5	49.2	NC	4,543	4,339	1,078.8	1,198.5	37.2
AS	461	469	109.1	109.1	31.3	SC	1,235	1,051	178.4	119.9	9.3
AZ	429	587	117.2	275.0	111.3	GA	3,744	3,633	816.2	1,095.1	30.9
CA	86	87	47.5	49.1	183.2	FL	5,013	4,999	1,857.4	2,003.8	58.9
CO	423	442	121.8	151.9	72.7	E.S.C.:					
CT	2,923	2,893	449.7	596.4	22.9	KY	3,131	2,935	769.3	686.8	20.8
DE	751	745	256.8	279.4	67.2	TN	2,652	2,367	544.5	451.4	18.4
DC	3,691	3,632	817.0	977.8	38.7	AL	2,501	2,222	624.7	697.6	35.8
HI	4,529	4,127	868.9	808.7	20.9	MS	2,575	2,170	493.8	356.2	10.2
ID	5,081	4,634	632.9	705.3	12.4	W.S.C.:					
IL	8,845	7,836	1,537.5	1,475.2	17.2	AR	3,937	3,669	1,053.1	1,095.1	32.0
IN	3,568	3,205	676.0	583.7	16.6	LA	1,856	1,886	195.1	164.2	6.3
IA	5,872	5,801	1,048.6	1,561.9	24.4	OK	3,283	3,360	548.2	607.0	17.6
KS	7,346	7,099	1,245.3	1,670.4	20.1	TX	11,782	10,694	2,377.0	2,350.3	19.8
KY	10,804	10,545	1,589.5	2,330.8	20.3	Mt.					
LA	4,682	4,195	784.7	697.8	12.6	MT	1,270	1,848	-271.5	329.3	9.9
ME	3,407	3,125	661.5	694.5	16.8	ID	2,505	2,322	393.3	432.4	14.9
MD	3,230	3,086	807.4	753.6	19.0	WY	857	678	-51.8	14.9	1.6
MA	8,272	8,072	1,480.8	1,773.2	25.2	CO	3,677	3,573	468.0	555.6	15.6
MI	6,977	6,994	1,148.4	1,477.3	24.4	NM	1,241	1,154	204.0	209.2	17.5
MN	530	554	120.8	165.5	59.0	AZ	1,822	1,752	338.0	413.5	23.2
MO	1,413	1,350	307.1	368.0	36.2	UT	690	712	62.1	114.7	13.0
MS	2,084	2,011	325.8	392.8	19.6	NV	252	244	14.4	28.0	7.3
MT						Pa.					
NE						WA	3,357	3,804	776.4	1,212.1	37.0
NH						OR	2,192	2,223	493.6	653.2	22.2
ND						CA	15,603	15,056	4,099.5	4,235.0	32.6
RI						AK	32	36	10.4	15.0	41.4
SC						HI	583	611	139.2	208.1	55.2

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary*.

## NO. 1080. INDEXES OF PRICES RECEIVED AND PAID BY FARMERS: 1970 TO 1986

[1977 = 100, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 344-353]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
received, all products	90	106	101	102	116	132	134	139	133	136	143	128	123	123
all products	52	117	105	102	105	116	125	134	121	126	139	120	106	106
all grains	59	192	155	129	122	147	185	186	146	148	144	133	109	109
all grains and hay	57	134	127	120	101	114	132	141	120	143	145	122	96	96
all livestock	36	85	88	99	91	96	114	111	92	104	108	93	91	91
all crops	82	85	93	93	109	119	125	140	153	155	153	153	138	138
all-bearing crops	41	96	81	85	93	103	102	110	88	102	109	84	77	77
all crops	59	86	85	80	137	144	124	130	175	128	202	181	167	167
all commercial vegetables	59	81	92	91	105	110	113	136	126	130	135	127	129	129
all stock and products	67	94	98	101	124	147	144	143	145	141	148	136	136	136
all animals	72	98	100	101	134	166	156	150	155	147	151	142	145	145
all dry products	59	86	90	100	109	124	135	142	140	140	139	131	129	129
all dry and eggs	64	94	103	102	106	111	112	116	110	116	135	119	126	126
all paid, total	55	81	88	95	108	123	138	150	159	161	165	169	159	159
all crops	54	83	91	97	106	125	136	148	153	152	155	151	145	145
all livestock	54	104	100	103	98	110	123	134	122	134	135	116	106	106
all livestock	77	93	85	97	140	165	177	184	164	180	164	154	153	153
all crops	43	82	94	82	105	110	118	138	141	141	151	153	146	146
all fertilizer	46	92	120	102	100	106	134	144	144	137	143	136	124	124
all agricultural chemicals	82	76	102	111	94	98	102	111	119	125	128	126	127	127
all oil and energy	52	79	88	83	105	137	186	213	210	202	201	201	162	162
all farm and motor supplies	86	89	102	100	104	115	134	147	152	152	147	146	144	144
all net payable per acre	38	65	77	88	117	143	178	216	249	258	257	236	216	216
all net payable per acre	68	81	87	94	100	107	114	123	124	129	132	133	134	134
all rates	57	79	85	93	107	117	126	137	144	148	151	154	160	160
all ratio (1910-14 = 100)	72	96	76	71	70	71	85	61	58	58	57	52	61	61

Includes other items not shown separately. <sup>2</sup> Excludes potatoes. <sup>3</sup> Includes production items, interest, taxes, wage rates, family living component. The family living component is the Consumer Price Index for all urban consumers from the Bureau of Statistics. See text, section 15, and table 738. <sup>4</sup> Straight average of seasonally adjusted indexes. <sup>5</sup> Ratio of prices paid by farmers to prices received.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Agricultural Prices: Annual Summary*.

## No. 1061. COMMODITY CREDIT CORPORATION—SUMMARY: 1970 TO 1986

[In millions of dollars. As of end of fiscal year or for fiscal years ending in year shown; see text, section 9. The Commodity Credit Corporation is a wholly government-owned corporation. Its purpose is stabilizing, supporting, and protecting farm income and prices, assisting in maintenance of balanced adequate supplies of agricultural commodities, and facilitating orderly distribution of agricultural commodities. See also *Historical Statistics, Colonial Times to 1970*, series K 330-343]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>LOAN ACTIVITY <sup>1</sup></b>											
Loans made	2,386	852	6,365	4,576	4,228	5,649	11,454	13,710	5,131	10,187	17,391
Loans repaid	1,830	936	4,444	4,048	4,148	5,741	4,829	9,373	10,581	4,458	5,875
Loans cancelled by acquisition of collateral	1,073	100	145	318	116	71	383	860	1,032	1,636	5,583
Loans outstanding <sup>2</sup>	2,662	396	5,039	5,210	5,119	5,189	11,633	15,084	8,571	12,631	18,099
Wheat	576	4	1,318	816	837	1,871	3,321	4,162	3,414	4,591	3,753
Corn	832	36	1,280	1,301	1,617	829	4,210	5,274	1,236	2,766	7,878
Cotton	170	143	153	80	25	76	714	980	67	378	1,078
Tobacco	845	119	751	903	815	764	867	1,738	2,084	2,539	2,336
<b>COMMODITY INVENTORY OPERATIONS</b>											
Acquisitions, value <sup>3</sup>	1,518	836	811	1,007	2,798	2,867	2,968	8,834	8,741	4,284	9,912
Purchases	398	736	761	677	2,643	2,503	2,583	7,844	7,676	2,616	4,185
Collateral acquired from loans	1,120	100	150	330	116	4	375	990	1,065	1,678	5,717
Wheat	217	4	135	40	801	26	27	1,800	1,983	919	2,186
Corn	49	2	31	195	416	21	179	3,132	2,591	182	2,287
Cotton	304	(2)	(2)	(2)	1	(2)	(2)	175	1,058	53	559
Dairy products	253	480	445	247	1,262	1,991	2,282	2,716	1,983	1,820	2,036
Butter	146	65	154	75	326	528	581	610	380	406	469
Cheese	7	92	51	17	443	768	874	1,173	892	749	784
Dried milk	100	323	240	155	493	695	843	926	731	665	783
Commodities owned, value <sup>4</sup>	1,848	419	1,029	1,183	2,737	2,727	5,103	10,227	7,368	9,921	11,889
Wheat	405	2	119	118	705	679	879	1,533	1,510	1,951	3,491
Corn	293	(2)	27	209	566	555	708	3,392	1,045	757	1,757
Cotton	225	(2)	(2)	(2)	1	1	2	174	74	46	228
Sorghum	173	(2)	26	92	93	79	91	520	290	359	725
Dairy products	134	280	751	570	1,266	2,366	3,442	4,219	4,102	3,014	2,830
Butter	97	41	240	186	365	709	791	686	857	502	579
Cheese	-	10	55	4	309	688	1,365	1,674	1,863	1,186	1,204
Dried milk	37	239	456	378	572	799	1,266	1,648	1,562	1,327	1,047

- Represents zero. Z Less than \$500,000. <sup>1</sup> Covers commodity loans and storage facility and equipment loans. The latter were not available after July 1982. <sup>2</sup> Includes amounts for commodities and storage facilities, not shown separately. <sup>3</sup> For 1970, includes purchases for commodity export program. <sup>4</sup> Beginning 1983, includes butter oil.

## No. 1062. COMMODITY CREDIT CORPORATION—REALIZED LOSSES ON PRICE SUPPORT AND RELATED PROGRAMS: 1970 TO 1986

[In millions of dollars. The realized loss or cost for these programs is reimbursed to C.C.C. by congressional appropriations and does not include reimbursements under Public Law 480 (Food for Peace), National Wool Act, or Export Credit Sales Programs. See also headnote, table 1061. Minus sign (-) indicates net loss]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total net realized loss	- 4,218	710	- 2,298	- 3,531	- 5,723	- 16,613	- 6,918	- 12,936	19,968
Net realized loss, program <sup>1</sup>	- 3,622	- 861	- 1,544	2,780	3,365	17,643	7,104	10,889	- 16,625
Producer payments <sup>2</sup>	- 2,945	- 560	- 418	- 1,030	- 1,491	- 4,734	- 4,553	- 7,308	- 13,808
Diversion payments (cash) <sup>3</sup>	- 1,014	- 5	- 58	-	-	- 1,332	- 913	- 1,538	- 15
Deficiency payments (cash) <sup>4</sup>	-	-	- 80	-	- 1,184	- 3,286	- 3,630	- 5,748	9,737
Deficiency payments (certificates) <sup>5</sup>	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	2,319
Disaster payments (cash) <sup>6</sup>	-	556	- 257	- 1,030	308	115	- 1	(2)	(2)
Commodity inventory operations	- 368	- 114	- 479	926	1,377	- 2,562	- 2,701	- 3,620	- 4,255
Net loss on sales	- 2	+ 87	- 70	- 203	- 483	- 581	- 594	- 827	- 1,844
Commodity sales proceeds <sup>7</sup>	+ 880	+ 450	+ 982	+ 902	+ 582	+ 1,619	+ 9,521	+ 1,756	+ 2,526
Cost of sales	882	363	- 1,032	- 1,105	- 1,045	2,200	10,115	- 2,385	4,172
Cost of commodities donated	- 165	168	164	432	572	1,402	- 1,599	2,484	1,716
Other expenses <sup>8</sup>	- 211	- 33	- 225	291	- 322	- 579	-	- 528	- 892
Payment-in-kind program	(x)	(x)	(x)	(x)	(x)	- 9,424	- 302	+ 17	- 24
Grain reserve storage expense <sup>9</sup>	- 144	(2)	- 237	- 87	- 464	- 1,113	- 276	- 307	-
Other costs and recoveries	110	6	- 336	- 368	+ 11	+ 246	+ 745	+ 288	+ 247
Net interest expense <sup>10</sup>	- 536	+ 43	586	606	2,088	1,523	1,034	- 1,051	- 883
Net operating and other expense	- 58	- 72	- 156	- 168	302	- 347	- 380	- 386	- 490

- Represents zero. X Not applicable. Z Less than \$500,000. <sup>1</sup> Includes other program losses not shown separately. <sup>2</sup> Includes activity for prior year programs and other producer payments not shown separately. For 1970, includes price support payments. For 1986 other major producer payments were: upland cotton inventory protection certificates, \$616 million; dairy termination program, \$489 million; and diversionary payments (certificates), \$368 million. <sup>3</sup> Payments are made to producers of feed grains, upland cotton, wheat, and rice who voluntarily diverted additional acreage from crop production to approved conservation uses or elected to divert wheat acreage for grazing or hay, but only if the Secretary of Agriculture determined that such payments were necessary to meet desirable acreage goals. <sup>4</sup> Payments are made to producers of wheat, feed grains, upland cotton, and rice when the target price for the commodities exceeds the national weighted average market price or the loan rate, whichever is higher. <sup>5</sup> Payments are made to producers of wheat, feed grains, cotton, and rice in the event a crop cannot be planted, or if the quantity harvested is substantially less than the expected production because of drought, flood, or other natural disaster, or other conditions beyond the producers' control. <sup>6</sup> Includes the value of exported commodities charged to P.L. 480, Title II. <sup>7</sup> Covers storage, handling and transportation expenses. <sup>8</sup> Payments to producers for storage of grain under the farmer-owned grain reserve program. For 1970-1975, includes recess loan storage expense. <sup>9</sup> Interest expense minus interest income.

Source of tables 1061 and 1062: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

**No. 1063. CIVILIAN CONSUMER EXPENDITURES FOR FARM FOODS—FARM VALUE AND MARKETING BILL: 1970 TO 1986**

[In billions of dollars, except percent. Excludes imported and nonfarm foods, such as coffee and seafood, as well as food consumed by the military, or exported. See *Historical Statistics, Colonial Times to 1970*, series K 358-380 for data before revisions]

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986
<b>Consumer expenditures, total</b>	<b>110.8</b>	<b>187.0</b>	<b>216.8</b>	<b>245.2</b>	<b>264.4</b>	<b>287.7</b>	<b>298.3</b>	<b>315.0</b>	<b>332.0</b>	<b>346.4</b>	<b>361.1</b>
Farm value, total	35.5	55.8	69.5	79.2	81.7	83.2	83.7	85.7	91.4	88.3	89.0
Marketing bill, total <sup>1</sup>	75.1	111.4	147.4	166.0	182.7	204.5	215.2	229.3	240.6	257.1	272.1
Percent of total consumer expenditures	67.9	66.7	68.0	67.7	69.1	71.1	72.0	72.8	72.5	74.4	75.4
<b>At-home expenditures<sup>2</sup></b>	<b>78.2</b>	<b>116.2</b>	<b>149.2</b>	<b>169.4</b>	<b>180.1</b>	<b>194.0</b>	<b>198.7</b>	<b>204.6</b>	<b>213.1</b>	<b>220.8</b>	<b>227.8</b>
Farm value	29.1	44.0	56.4	64.5	65.9	66.6	65.9	66.8	70.7	68.1	68.0
Marketing bill <sup>1</sup>	49.1	72.2	92.8	104.9	114.2	127.4	130.8	137.8	142.4	152.7	159.8
Percent of at-home expenditures	62.8	62.1	62.2	61.9	63.4	65.7	66.5	67.4	66.6	69.2	70.1
<b>Way-from-home expenditures</b>	<b>32.4</b>	<b>50.8</b>	<b>67.7</b>	<b>75.8</b>	<b>84.3</b>	<b>93.7</b>	<b>102.2</b>	<b>110.4</b>	<b>118.9</b>	<b>124.8</b>	<b>133.3</b>
Farm value	5.4	11.8	13.1	14.7	15.8	16.6	17.8	18.9	20.7	20.2	21.0
Marketing bill <sup>1</sup>	26.0	39.2	54.6	61.1	68.5	77.1	84.4	91.5	98.2	104.4	112.3
Percent of way-from-home expenditures	80.2	77.2	80.6	80.6	81.3	82.3	82.6	82.9	82.6	83.8	84.2
<b>Marketing bill cost components:</b>											
Labor cost <sup>3</sup>	32.2	48.3	66.2	75.2	81.5	91.0	96.6	102.4	109.3	116.5	123.7
Packaging materials	8.2	13.3	18.6	18.6	21.0	22.8	23.7	24.7	26.2	26.9	28.1
Rail and truck transport <sup>4</sup>	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8
Corporate profits before taxes	3.6	7.1	10.3	10.4	10.2	10.0	9.8	9.6	10.8	11.1	12.0
Fuels and electricity	2.2	4.6	7.1	8.2	9.0	10.0	11.0	11.7	12.5	13.2	13.8
Other <sup>5</sup>	23.7	29.7	36.7	41.9	48.0	56.6	59.6	65.3	65.9	72.9	77.9
Processing	29.7	40.9	53.5	60.3	68.3	73.0	74.7	77.8	80.2	87.6	91.9
Wholesaling	8.7	13.5	16.5	18.8	20.4	22.8	25.6	27.1	28.4	29.8	30.8
Transportation	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8
Retailing and food service	31.5	48.6	66.9	75.4	83.0	94.4	100.2	109.2	116.1	123.4	132.8
<b>SELECTED FOOD COMMODITY GROUPS</b>											
<b>Meat products:</b>											
Total expenditures	33.7	48.0	69.5	80.2	83.3	96.6	91.9	97.9	101.7	103.2	106.0
Farm value	14.4	20.6	28.0	31.5	30.8	31.1	31.5	31.4	32.4	30.5	30.8
Percent of total	42.7	42.9	40.3	39.3	37.0	35.9	34.3	32.1	31.9	29.6	29.1
Marketing bill <sup>1</sup>	19.4	27.4	41.5	48.7	52.5	55.5	60.4	66.5	69.3	72.7	75.2
<b>Dairy and eggs:</b>											
Total expenditures	9.1	12.7	15.2	17.4	18.3	19.9	20.3	21.7	24.2	26.0	28.5
Farm value	4.0	6.3	7.3	8.1	8.4	8.6	8.5	9.3	11.0	10.2	11.7
Percent of total	44.0	49.6	48.0	46.6	45.9	44.2	41.9	42.9	45.5	39.2	41.1
Marketing bill <sup>1</sup>	5.1	6.4	7.9	9.3	9.9	11.1	11.8	12.4	13.2	15.8	16.8
<b>Grain products:</b>											
Total expenditures	16.7	23.3	30.1	33.5	37.8	41.4	42.0	45.0	47.4	49.4	52.0
Farm value	6.9	10.0	12.7	14.6	16.0	17.0	16.7	18.0	18.1	17.7	17.8
Percent of total	41.3	42.9	42.2	43.6	42.3	41.1	39.8	40.0	38.2	35.8	34.2
Marketing bill <sup>1</sup>	9.8	13.3	17.4	18.9	21.8	24.4	25.3	27.0	29.3	31.7	34.2
<b>Fruits and vegetables:</b>											
Total expenditures	22.6	35.6	46.3	52.5	55.5	62.6	66.7	70.0	74.7	78.5	82.1
Farm value	5.1	8.4	10.0	10.9	11.7	13.3	13.8	13.3	15.1	15.2	15.2
Percent of total	22.6	23.6	21.6	20.8	21.1	21.2	20.7	19.0	20.2	19.4	18.5
Marketing bill <sup>1</sup>	17.5	27.2	36.3	41.6	43.8	49.5	52.9	56.7	59.6	63.3	66.9
<b>Other, grain mill products:</b>											
Total expenditures	13.6	24.1	27.5	31.6	35.2	37.9	39.6	40.6	43.3	45.5	48.1
Farm value	2.0	4.1	3.8	4.8	5.1	4.9	4.8	4.9	5.1	4.7	4.3
Percent of total	14.7	17.0	13.8	15.2	14.5	12.9	12.1	12.1	11.8	10.3	8.9
Marketing bill <sup>1</sup>	11.6	20.0	23.7	26.8	30.1	33.0	34.8	35.7	38.2	40.8	43.8

The difference between civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. <sup>2</sup> Food primarily purchased from retail food stores for use at home. <sup>3</sup> Covers employee wages and salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. <sup>4</sup> Excludes local hauling. <sup>5</sup> Represents advertising, rents, depreciation, cost on borrowed capital, taxes other than income, and other costs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review*, 1986, AER No. 574, July 1987; *Food Consumption, Prices, and Expenditures*, 1985, SB-749, January 1987; *Agricultural Outlook*, periodic; and *Agricultural Statistics*, annual.

**No. 1064. FARMER MARKETING AND FARM SUPPLY COOPERATIVES—SUMMARY: 1970 TO 1985**

1-1977, for fiscal years of cooperatives ending between July 1 of preceding year and June 30 of year shown. Beginning 1978, reports of cooperatives are for the calendar year. Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. Memberships and businesses are estimated. See also *Historical Statistics, Colonial Times to 1970*, series K 195-203]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
<b>Cooperatives listed</b>	<b>7,790</b>	<b>7,846</b>	<b>8,738</b>	<b>8,800</b>	<b>8,446</b>	<b>8,389</b>	<b>8,211</b>	<b>8,126</b>	<b>8,989</b>	<b>8,782</b>	<b>8,626</b>
Marketing <sup>1</sup>	5,015	4,918	4,143	4,060	3,938	3,924	3,855	3,626	3,781	3,646	3,589
Supply	2,775	2,729	2,593	2,560	2,507	2,389	2,356	2,299	2,208	2,136	2,036
<b>Memberships<sup>2</sup> (1,000)</b>	<b>8,385</b>	<b>8,123</b>	<b>8,758</b>	<b>8,895</b>	<b>8,527</b>	<b>8,378</b>	<b>8,336</b>	<b>8,136</b>	<b>4,965</b>	<b>4,942</b>	<b>4,791</b>
Marketing <sup>1</sup> (1,000)	3,133	3,151	2,692	2,632	2,567	2,574	2,479	2,469	2,402	2,333	2,363
Supply (1,000)	3,222	2,972	3,066	3,063	3,080	2,804	2,856	2,666	2,553	2,397	2,398
<b>Business<sup>3</sup> (mil. dol.)</b>	<b>19,880</b>	<b>41,342</b>	<b>43,664</b>	<b>47,306</b>	<b>58,388</b>	<b>68,264</b>	<b>71,634</b>	<b>66,180</b>	<b>66,786</b>	<b>73,047</b>	<b>66,601</b>
Marketing <sup>1</sup> (mil. dol.)	15,207	32,662	33,027	36,253	42,747	50,120	54,475	52,789	50,812	56,078	48,981
Supply (mil. dol.)	3,673	8,680	10,557	11,052	13,521	16,134	17,059	16,362	15,943	16,969	16,641

Includes cooperatives whose major activity is providing services related to marketing and farm-supply activities. <sup>2</sup> Excludes marketing patrons. <sup>3</sup> Value of commodities sold or purchased for patrons. Business dollar volume for marketing includes services for charges related to marketing and purchasing. Represents net volume after eliminating intercooperative business.

Source: U.S. Dept. of Agriculture, Agricultural Cooperative Service, *Farmer Cooperative Statistics*, annual.



## NO. 1063. SELECTED INDEXES OF FARM INPUTS: 1960 TO 1986

(1977 = 100. Inputs based on physical quantities of resources used in production. See *Historical Statistics, Colonial Times to 1970*, series K 436-495 for data before revisions)

INPUT	1960	1970	1975	1976	1978	1980	1981	1982	1983	1984	1986
Total	99	98	97	102	106	103	102	100	97	96	96
Farm labor	177	112	106	100	89	86	86	83	87	92	85
Farm real estate <sup>1</sup>	103	106	97	100	103	103	103	103	101	99	97
Mechanical power and machinery	83	85	96	104	104	101	96	94	90	88	83
Agricultural chemicals <sup>2</sup>	32	75	83	107	123	123	126	118	105	121	123
Feed, seed, and livestock purchases <sup>3</sup>	77	96	93	106	115	114	108	106	108	104	110
Taxes and interest	95	102	100	99	103	100	99	99	98	95	96
Miscellaneous	77	88	82	103	113	96	106	115	100	110	116

<sup>1</sup> Includes service buildings, improvements. <sup>2</sup> Includes fertilizer, lime, and pesticides. <sup>3</sup> Includes nonfarm portion.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in U.S. Council of Economic Advisers, *Economic Report of the President*, annual.

## NO. 1066. FARM MACHINERY AND EQUIPMENT: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 184-191]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Value of farm implements and machinery <sup>1</sup>	Bil. dol.	34.4	63.1	76.4	83.3	93.2	98.3	107.8	107.9	108.2	102.7	92.4	84.5
Farmers' expenditures:													
Motor vehicles <sup>2</sup>	Mil. dol.	2,030	3,833	4,927	5,580	6,264	5,813	5,852	4,436	4,725	4,563	3,666	3,227
Machinery, equipment	Mil. dol.	2,888	4,820	5,857	7,158	8,002	8,958	6,481	5,099	4,735	4,882	3,680	3,193
Retail sales: <sup>3</sup>													
Tractors, total <sup>4</sup>	1,000	135.5	161.1	130.9	139.8	139.0	119.3	103.8	77.2	71.3	69.7	58.5	47.1
2-wheel drive	1,000	135.5	150.5	123.2	130.9	127.5	108.4	94.1	70.4	66.2	62.7	55.5	45.1
4-wheel drive	1,000 (ha)	10.8	7.7	8.7	11.5	10.9	9.7	8.8	5.1	4.0	3.0	2.0	2.0
Combines	1,000	26.7	33.1	28.8	31.5	32.3	26.7	26.8	18.2	12.8	11.4	8.4	7.7
Corn heads	1,000	18.5	25.4	20.7	21.2	22.4	17.2	15.7	9.3	8.8	6.4	5.0	4.7
Field forage harvesters	1,000	15.0	13.1	13.2	11.5	12.5	9.5	7.6	5.1	4.1	3.5	2.5	2.2

NA Not available. <sup>1</sup> Farm inventory valuations as of December 31. Includes family automobiles. <sup>2</sup> For farm business use.

<sup>3</sup> Source: Farm and Industrial Equipment Institute, Chicago, IL, unpublished data. <sup>4</sup> Beginning 1977, covers tractors over 40 hp. only.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual. Also in *Agricultural Statistics*, annual.

## NO. 1067. SUPPLY AND USE OF FERTILIZER: 1970 TO 1986

[For years beginning July 1]

ITEM	Unit	1970-1974, annual avg.	1975-1979, annual avg.	1980	1981	1982	1983	1984	1985	1986
Production	Mil. nutrient tons	20.9	24.9	29.3	29.7	25.5	22.8	24.5	26.8	22.8
Imports	Mil. nutrient tons	5.3	6.4	8.2	8.2	7.7	7.4	9.4	9.4	8.1
Exports	Mil. nutrient tons	3.2	5.3	7.6	8.4	6.9	6.6	8.9	8.3	5.7
Agricultural consumption	Mil. nutrient tons	17.8	20.7	23.1	23.7	21.4	18.1	21.8	21.7	19.6

<sup>1</sup> Excludes exports of superphosphoric acid which are no longer reported.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Resources: Inputs Outlook and Situation Report*, periodic.

## NO. 1006. HIRED FARMWORKERS—WORKERS AND EARNINGS: 1975 TO 1985

represents persons 14 years old and over in the civilian noninstitutional population who did hired farmwork at any time during the year. Based on Current Population Survey; see text, section 1 and Appendix III. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	WORKERS (1,000)									AVERAGE ANNUAL EARNINGS RECEIVED FROM HIRED FARMWORK			
	1975	1981	1983	Total	1985					1975	1981	1983	1985
					Duration of farmwork								
					Under 25 days	25-74 days	75-149 days	150-249 days	250 days and over				
All workers.....	2,638	2,492	2,585	2,522	943	808	281	344	445	\$1,488	\$1,888	\$3,138	\$3,247
White <sup>1</sup> .....	1,007	1,524	1,888	1,922	791	385	213	179	344	1,379	2,358	2,888	3,018
Black and other <sup>1</sup> .....	448	340	376	274	87	52	35	80	30	1,524	2,868	3,587	3,008
Hispanic.....	285	328	331	326	55	52	33	105	71	2,154	4,310	5,131	4,795
White.....	227	204	191	231	84	51	14	24	58	1,287	2,977	3,577	3,417
Black.....	574	658	687	651	372	189	99	84	127	1,212	2,019	2,082	2,717
Hispanic.....	1,074	1,004	985	980	309	167	103	132	149	1,289	2,217	2,888	3,088
Other.....	864	595	722	580	178	122	65	104	111	2,157	4,037	4,372	4,194
Immigratory.....	188	115	226	159	37	53	25	35	9	2,003	2,728	4,638	2,588
Nonimmigratory.....	2,450	2,377	2,359	2,363	906	456	256	309	436	1,448	2,856	2,894	3,291
17 years old.....	835	805	487	552	318	146	43	19	28	421	759	807	743
24 years old.....	733	780	784	739	287	173	91	94	114	1,517	2,488	2,181	2,888
34 years old.....	393	428	580	601	192	106	70	108	127	2,209	3,684	4,352	4,268
44 years old.....	219	238	289	280	81	38	28	38	75	2,389	4,631	5,380	4,736
54 years old.....	183	180	197	185	43	13	24	48	57	(NA)	3,980	4,988	5,288
64 years old.....	144	104	188	110	21	17	18	22	34	(NA)	4,077	4,823	5,280
75 years and over.....	120	108	80	104	21	18	9	17	12	937	1,938	2,406	3,826

NA Not available. <sup>1</sup> Excludes persons of Hispanic origin.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Hired Farm Working Force*, periodic.

## NO. 1009. FARM PRODUCTIVITY—LABOR-HOURS AND INDEXES OF FARM OUTPUT PER HOUR: 1980 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series K 407-413, K 430-444, and W 67-81]

ITEM	1980	1970	1975	1976	1977	1978	1980	1981	1982	1983	1984	1985, pref.
Hours of labor required on farms <sup>1</sup> (bil.)	9.8	5.9	5.0	4.9	4.4	4.3	4.3	4.2	4.0	3.7	3.5	3.6
productive livestock (bil.)	3.8	2.3	1.7	1.6	1.4	1.3	1.3	1.2	1.1	1.1	1.0	.9
crops (bil.)	4.8	2.8	2.6	2.6	2.4	2.4	2.4	2.4	2.4	2.1	2.3	2.2
farm maintenance (bil.)	1.4	.8	.7	.6	.6	.6	.6	.6	.5	.5	.5	.5
INDEX (1977 = 100)												
Farm output per hour.....	37	88	88	94	108	118	113	131	123	122	128	155
livestock and products.....	32	84	85	93	109	117	129	138	143	154	162	175
least animals.....	40	87	87	94	108	117	127	136	138	149	153	183
ilk cows.....	27	57	81	91	108	122	135	150	164	187	212	244
oultry.....	25	55	81	94	108	118	125	135	142	152	162	173
crops.....	41	70	88	91	105	118	105	121	124	105	123	136
eed grains.....	33	62	90	95	111	125	107	132	138	98	133	149
ay and forage.....	43	74	94	90	109	116	109	122	126	122	132	135
od grains.....	73	83	101	98	104	115	116	129	129	131	140	142
vegetables.....	89	91	93	100	104	109	113	119	120	119	117	123
uits and nuts.....	61	84	97	101	103	104	112	108	115	115	118	119
ager crops.....	52	79	97	100	103	103	104	111	109	106	108	109
tion.....	13	31	57	70	100	132	103	145	148	141	172	184
bacon.....	48	79	97	101	109	98	104	117	122	108	129	137
l crops.....	52	72	88	84	98	110	90	110	113	98	109	133
land used for crops <sup>2</sup> .....	94	88	87	98	97	100	101	102	101	88	99	98
production per acre.....	77	88	96	94	105	113	100	115	118	100	112	118

<sup>1</sup> Represents labor used on crops, livestock, and farm maintenance. <sup>2</sup> Includes work on farm gardens. <sup>3</sup> Includes work on sea and mules. <sup>4</sup> Harvested acreages plus acreages of crop failure and summer fallow.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Income Statistics*, annual. Also in *Agricultural Statistics*, annual.

# No. 1090. FARM LABOR—ANNUAL AVERAGE LABOR-HOURS PER UNIT OF PRODUCTION, SELECTED CROPS AND LIVESTOCK: 1960-1964 TO 1982-1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 445-465]

CROP	1960-1964	1970-1974	1982-1986	CROP AND LIVESTOCK	1960-1964	1970-1974	1982-1986
Corn for grain: Hours per acre <sup>1</sup>	7.0	4.3	3.1	Tobacco: Hours per acre <sup>1</sup>	493	296	218
Yield per acre (bu.)	82.2	84.0	109.3	Yield per acre (1,000 lb.)	1.9	2.0	2.1
Hours per 100 bushel	11	5	3	Hours per 100 lb	26	14	10
Wheat: Hours per acre <sup>1</sup>	3.0	2.8	2.6	Milk cows: Hours per cow	93	62	24
Yield per acre (bu.)	25.2	31.0	36.9	Milk per cow (cwt)	75	101	127
Hours per 100 bushel	12	9	7	Hours per cwt of milk	1.2	8	2
Hay: Hours per acre <sup>1</sup>	5.0	3.7	3.0	Cattle, exc. milk cows			
Yield per acre (sh. tons)	1.77	2.12	2.45	Hours per cwt of beef produced <sup>2</sup>	2.6	1.7	9
Hours per sh. ton	2.8	1.8	1.2	Hogs: Hours per cwt produced <sup>3</sup>	1.9	1.0	3
Potatoes: Hours per acre <sup>1</sup>	48.0	41.6	32.6	Chickens: Hours per 100 layers	126	78	44
Yield per acre (cwt)	195	234	264	Rate of lay <sup>4</sup>	212	225	246
Hours per sh. ton	5	4	2	Hours per 100 eggs produced	6	3	2
Cotton: Hours per acre <sup>1</sup>	47	18	5	Broilers: Hours per 100 birds	3	1	4
Yield per acre (lb.)	475	470	581	Hours per cwt produced <sup>3</sup>	8	3	1
Hours per bale	47	18	5	Turkeys: Hours per cwt produced <sup>3</sup>	2.4	8	2

<sup>1</sup> Labor-hours per acre harvested, including pre-harvest work on acreages abandoned, grazed, and turned under. <sup>2</sup> Per acre planted and harvested. <sup>3</sup> Liveweight production. <sup>4</sup> Laying flocks and eggs. <sup>5</sup> Eggs produced during year divided by average number of hens and pullets of laying age on hand during year.

Source: U.S. Dept. of Agriculture, Economic Research Service, in *Agricultural Statistics*, annual.

# No. 1091. FARM OUTPUT INDEXES AND ACREAGE OF PRINCIPAL CROPS: 1960 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 414-429]

ITEM	1960	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985, prel.	1986, prel.
INDEX (1977 = 100)												
Farm output <sup>1</sup>	76	84	95	104	111	104	118	116	96	112	119	113
Per unit of total input	76	87	99	101	105	101	118	116	98	117	121	(NA)
Gross production:												
Livestock and products <sup>2</sup>	82	99	95	101	104	108	109	107	109	107	110	111
Meat animals	80	102	97	100	103	107	106	101	104	101	101	(NA)
Dairy products	95	95	94	99	101	105	108	110	114	110	117	(NA)
Poultry and eggs	88	93	92	106	114	115	119	119	120	123	126	(NA)
Crops <sup>3</sup>	72	77	93	102	113	101	117	117	88	111	117	108
Feed grains	69	71	91	106	116	97	121	122	87	116	133	(NA)
Hay and forage	83	82	(NA)	106	108	96	106	108	100	107	108	(NA)
Food grains	66	69	106	93	106	121	144	136	117	129	121	(NA)
Vegetables	86	86	97	103	107	104	111	116	(NA)	117	122	(NA)
Fruits and nuts	89	81	96	99	105	119	111	113	110	114	108	(NA)
Sugar crops	80	95	114	101	94	97	107	96	93	95	97	(NA)
Cotton	102	72	58	76	102	79	100	85	55	91	84	(NA)
Tobacco	102	100	114	106	80	93	106	104	75	90	81	(NA)
Oil crops	38	66	86	105	129	99	114	121	91	106	117	(NA)
CROPLAND USED FOR CROPS (millions of acres)												
Planted or grown	324	293	336	336	346	352	386	362	306	346	342	325
Harvested <sup>4</sup>	317	289	330	330	340	342	351	347	294	337	333	316

NA Not available. <sup>1</sup> Annual production available for eventual human use. <sup>2</sup> Includes livestock products not shown separately and excludes horses and mules. <sup>3</sup> Includes crops not shown separately. <sup>4</sup> Land supporting one or more harvested crops.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, 1986. Also in *Agricultural Statistics*, annual.

# No. 1092. ACREAGES OF CROPS HARVESTED FOR SPECIFIED PURPOSES: 1960 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 496-499]

ITEM	Unit	1960	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985, prel.	1986, prel.
Crops harvested <sup>1</sup>	ML. acres	324	293	336	336	346	352	386	(NA)	306	346	342	325
Domestic use	ML. acres	255	221	236	224	223	215	237	249	162	252	263	231
Per capita <sup>2</sup>	Acres	1.41	1.08	1.09	1.00	99	94	1.03	1.07	77	1.08	1.10	95
Exports	ML. acres	64	72	100	114	125	137	129	113	124	96	79	94
Percent of total	Percent	19.8	24.6	29.8	33.7	35.9	38.9	35.2	31.2	40.5	27.6	23.1	28.9
Crop failure	ML. acres	6	5	8	7	6	10	8	8	8	6	6	9

<sup>1</sup> Preliminary. <sup>2</sup> Area in principal crops harvested as reported by Economic Research Service plus acreage in vegetables, fruits, tree nuts, and farm gardens. <sup>3</sup> Includes feed for horses and mules, not shown separately. <sup>4</sup> Based on Bureau of the Census estimated total population, including Armed Forces overseas, as of July 1.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, 1986.

## No. 1083. SELECTED FARM PRODUCTS—PRODUCTION AND EXPORTS: 1970 TO 1986

ITEM	Unit	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986
for grain: Production	Mil. bu	4,152	5,841	7,928	6,639	8,119	8,235	4,175	7,674	8,877	8,253
Exports <sup>1</sup>	Mil. bu	517	1,711	2,433	2,355	2,010	1,834	1,901	1,865	1,241	1,450
Percent of production	Percent	12.5	29.3	30.7	35.5	24.6	22.3	45.5	24.3	14.0	17.6
beans, for beans: Production	Mil. bu	1,127	1,548	2,261	1,798	1,989	2,190	1,836	1,861	2,099	2,007
Exports <sup>1</sup>	Mil. bu	434	555	875	724	929	905	743	598	740	700
Percent of production	Percent	38.5	35.9	38.7	40.3	46.7	41.3	40.4	32.1	35.7	34.9
corn: Production	Mil. bu	1,352	2,127	2,134	2,381	2,785	2,785	2,420	2,595	2,425	2,087
Exports <sup>1</sup>	Mil. bu	741	1,173	1,375	1,514	1,771	1,508	1,429	1,424	915	1,025
Percent of production	Percent	54.8	55.2	64.4	63.6	63.6	54.6	59.0	54.9	37.7	49.1
rice: Production	Mil. bales <sup>2</sup>	10.2	8.3	14.6	11.1	15.8	12.0	7.8	13.0	13.4	9.7
Exports <sup>1</sup>	Mil. bales <sup>2</sup>	3.9	3.3	9.2	5.9	8.6	5.2	6.8	6.2	2.0	6.6
Percent of production	Percent	38.2	39.8	63.0	53.2	42.3	43.3	87.2	47.7	14.9	68.4
soybeans: Production	Mil. bu	1,808	2,182	1,527	1,786	2,084	1,994	1,429	1,728	1,512	1,188
Exports <sup>1</sup>	Mil. bu	839	855	694	649	697	628	596	666	620	(NA)
Percent of production	Percent	33.5	30.0	45.4	36.3	33.5	31.5	41.7	38.5	41.0	(NA)

Not available. <sup>1</sup> Represents marketing year for each product. <sup>2</sup> 480 lb. net weight bales. <sup>3</sup> Farm sales weight.  
 Source: U.S. Dept. of Agriculture, Economic Research Service, in *Agricultural Statistics*, annual.

## 1084. SELECTED FARM PRODUCTS—U.S. AND WORLD PRODUCTION AND EXPORTS: 1983 TO 1985

(In metric tons, except as indicated. Metric ton = 1 102 short tons or .984 long tons)

ITEM	Unit	AMOUNT						U.S. AS PERCENT OF WORLD		
		U.S.			World			1983	1984	1985
		1983	1984	1985	1983	1984	1985			
PRODUCTION <sup>1</sup>										
for grain	Million	88	71	68	489	511	499	13.5	13.9	13.2
beans	Million	108	195	225	347	459	483	30.5	42.5	46.6
corn	Million	44.5	50.6	57.1	53.2	93.1	96.9	53.5	54.4	58.9
rough	Million	4.5	6.3	6.1	454	466	470	1.0	1.3	1.3
soy, unmanufactured <sup>2</sup>	1,000	649	784	886	6,051	6,493	6,883	10.7	12.0	9.9
table oils	Million	5.8	6.3	6.4	42.3	46.1	49.2	13.7	13.7	13.0
rice	Million bales <sup>3</sup>	7.8	13.0	13.4	68.1	68.1	79.3	11.4	14.7	16.9
EXPORTS <sup>4</sup>										
for grain	Million	36.9	38.6	24.9	102.0	107.0	96.0	36.1	36.3	25.9
beans	Million	48.3	47.4	31.5	60.9	66.8	62.4	79.3	71.0	50.6
corn	Million	20.2	18.3	20.1	28.2	25.3	26.0	77.1	64.4	77.3
soybeans	Million	2.3	2.1	1.9	11.9	12.6	11.5	19.3	16.7	16.5
soy, unmanufactured <sup>2</sup>	1,000	239	248	249	1,370	1,408	1,415	17.4	17.5	17.6
table oils	Million	1.4	1.2	1.1	13.7	15.6	16.4	10.2	7.7	6.7
rice	Million bales <sup>3</sup>	6.8	6.2	2.0	19.2	20.5	20.5	36.4	30.2	9.6

Production years vary by commodity. In most cases, includes harvests from July 1 of the year shown through June 30 of the following year. <sup>1</sup> Farm sales weight basis. <sup>2</sup> Bales of 480 lb. net weight. <sup>3</sup> Trade years may vary by commodity. <sup>4</sup> Includes wheat flour on a grain equivalent. <sup>5</sup> Dried weight basis.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, *Foreign Agricultural Commodity Circular Series*, periodic.

## 1085. U.S. SALES AND DONATIONS UNDER FOOD FOR PEACE (PUBLIC LAW 480) PROGRAMS—TOTAL, 1954 TO 1986, AND BY SELECTED COUNTRY, 1986

(In millions of dollars. For fiscal years ending in year shown; see text, section 9)

YEAR	Total	Title I sales (loans) <sup>1</sup>	TITLE II DONATIONS			COUNTRY	1986	
			Total	Voluntary relief agencies	Emergency relief and other <sup>2</sup>		Sales	Donations
1986, total	40,289	24,384	15,905	10,820	5,075	Total <sup>3</sup>	880.0	758.8
	1,142	711	432	161	250	Egypt	217.5	6.6
	1,328	868	461	266	194	Sudan	45.0	5.0
	1,267	746	541	374	167	Bangladesh	82.0	31.6
						India	-	103.2
						Ethiopia	-	78.3
	1,436	643	593	340	253	Pakistan	47.5	42.0
	1,542	774	768	471	297	Morocco	40.0	5.8
	1,314	690	624	456	168	El Salvador	44.0	10.4
	1,373	773	600	422	178	Philippines	35.0	8.3
	1,524	784	740	523	217	Indonesia	32.3	4.3
	2,052	984	1,068	749	319	Dominican Republic	30.0	1.8
	1,849	890	758	587	172	Jamaica	35.0	2.6

Represents zero. <sup>1</sup> Includes Title III, Food for Development program. <sup>2</sup> Includes economic development and world programs. <sup>3</sup> Includes other countries not shown separately.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance From International Institutions*, annual.

## No. 1066. AGRICULTURAL EXPORTS AND IMPORTS—VALUE: 1970 TO 1986

[In billions of dollars, except percent. Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products). Includes shipments under foreign aid programs. See also *Historical Statistics, Colonial Times to 1970*, series K 251-265.]

YEAR	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports	YEAR	Trade balance	Imports, domestic products	Percent of all imports	Imports for consumption	Percent of all imports
1970-1974, avg	5.5	12.6	21	7.3	12	1977	10.2	23.6	20	13.4	9
1975-1979, avg	13.5	26.5	20	13.0	11	1978	14.6	29.4	21	14.8	9
1980-1984, avg	21.9	39.0	19	17.1	8	1979	18.0	34.7	19	16.7	9
1970	1.5	7.3	17	5.8	15	1980	23.9	41.2	19	17.4	7
1971	1.9	7.7	16	5.8	13	1981	26.6	43.3	19	16.8	6
1972	2.9	9.4	19	6.5	12	1982	21.2	36.6	18	15.4	6
1973	9.3	17.7	25	8.4	12	1983	19.5	36.1	18	15.6	6
1974	11.7	21.9	23	10.2	10	1984	16.5	37.8	18	19.3	6
1975	12.6	21.9	21	8.3	10	1985	9.1	29.0	14	20.0	6
1976	12.0	23.0	20	11.0	9	1986	5.0	26.0	13	21.1	6

Sources: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual, and *Foreign Agricultural Trade of the United States*, Jan.-Feb. issues. Also in *Agricultural Statistics*, annual.

## No. 1067. AGRICULTURAL EXPORTS—VALUE, BY PRINCIPAL COMMODITIES AND SELECTED COUNTRIES OF DESTINATION: 1970 TO 1986

[See footnote, table 1066. Data by country of destination not adjusted for transshipments prior to 1982.]

COMMODITY AND COUNTRY	VALUE (mil. dol.)								PERCENT		
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1986
Total agricultural exports <sup>1</sup>	7,255	21,866	41,233	36,827	36,096	37,804	29,641	26,046	100.0	100.0	100.0
Grains and feeds <sup>2</sup>	2,720	11,832	19,117	15,667	16,250	17,163	11,882	8,622	37.5	46.4	38.1
Feed grains and products	1,063	5,283	8,831	6,527	7,351	8,204	6,112	3,167	15.1	23.8	12.2
Corn	818	4,422	8,492	5,582	6,367	6,999	5,206	2,599	11.3	20.6	10.0
Wheat and products	1,136	5,353	6,660	6,928	6,560	6,740	3,866	3,280	15.7	16.2	12.6
Rice	313	658	1,269	997	826	845	665	621	4.3	3.1	2.4
Oilseeds and products <sup>3</sup>	1,931	4,452	9,390	9,141	8,716	8,386	5,794	6,484	26.6	22.6	24.8
Soybeans	1,228	2,865	5,880	6,216	5,913	5,418	3,732	4,321	16.9	14.3	16.6
Soybean oil cake and meal	344	639	1,685	1,411	1,527	997	870	1,233	4.7	4.0	4.7
Vegetable oils and waxes	295	636	1,216	952	888	1,270	870	889	4.1	2.9	2.6
Soybean oil	194	289	689	486	424	757	432	253	2.7	1.7	1.0
Animals and animal products <sup>2</sup>	665	1,688	3,788	3,935	3,787	4,228	4,150	4,484	9.2	9.1	17.3
Hides and skins, incl. furskins	187	407	1,046	1,022	1,010	1,363	1,295	1,506	2.6	2.5	5.8
Cattle hides	130	260	623	704	742	1,086	1,007	1,206	1.8	1.5	4.6
Meats and meat products	132	432	890	978	916	926	905	1,113	1.8	2.2	4.3
Fats, oils, and greases	248	360	769	863	800	898	819	411	3.4	1.9	1.6
Poultry and poultry products	82	157	603	515	428	415	384	496	1.1	1.5	1.9
Cotton, excluding lint	372	991	2,884	1,955	1,817	2,441	1,633	773	5.1	6.9	3.0
Tobacco, unmanufactured	517	862	1,334	1,547	1,462	1,511	1,521	1,209	7.1	3.2	4.6
Fruits and preparations	334	699	1,335	1,376	1,349	1,243	1,186	1,297	4.6	3.2	5.0
Fresh fruits	164	404	738	796	829	758	743	844	2.3	1.8	3.2
Vegetables and preparations	210	505	1,188	1,174	980	1,002	930	1,062	3.0	2.9	4.2
Nuts and preparations	69	169	757	541	496	604	683	743	1.0	1.8	2.9
Other	232	573	1,477	1,271	1,242	1,243	1,282	1,362	3.2	3.6	5.2
Asia <sup>1</sup>	2,717	7,620	14,886	13,674	14,056	14,907	11,191	10,533	37.5	36.1	40.4
Japan	1,214	3,082	6,111	5,955	6,251	6,782	5,409	5,106	16.7	14.8	18.6
South Korea	224	830	1,797	1,581	1,840	1,650	1,413	1,293	3.1	4.4	5.0
China: Taiwan	134	585	1,095	1,155	1,308	1,458	1,231	1,164	1.9	2.7	4.5
Western Europe <sup>1,2</sup>	2,534	7,177	11,744	11,483	9,999	8,637	6,937	7,017	34.8	28.5	26.9
European Economic Community <sup>4</sup>	2,316	6,769	11,033	10,657	9,299	8,257	6,477	6,566	29.4	22.4	25.3
Netherlands	526	1,722	3,412	3,085	2,576	2,323	1,869	2,069	7.3	6.3	7.9
West Germany	529	1,564	1,831	1,448	1,529	1,065	944	1,042	7.3	4.4	4.0
United Kingdom	411	588	828	915	823	754	604	678	5.7	2.3	2.6
Italy	210	798	1,094	969	731	606	689	720	2.9	2.7	2.6
France	164	406	748	825	485	507	403	435	2.3	1.8	1.7
Spain <sup>5</sup>	143	776	1,129	1,681	1,264	1,029	637	701	2.0	2.7	2.7
Portugal <sup>6</sup>	35	261	608	578	660	698	436	294	.5	1.5	1.1
Latin America <sup>1</sup>	868	2,274	6,150	4,436	5,213	5,263	4,224	3,839	9.5	14.8	14.0
Brazil	66	323	680	526	479	506	470	555	.9	1.6	2.1
Mexico	155	586	2,488	1,156	1,942	1,993	1,439	1,074	2.1	6.0	4.1
Venezuela	66	277	701	671	665	783	636	450	1.4	1.7	1.7
Canada	626	1,304	1,852	1,820	1,844	1,983	1,822	1,547	11.4	4.5	5.9
Soviet Union	16	1,133	1,047	1,671	1,473	2,678	1,923	658	.2	2.5	2.5
Eastern Europe	169	616	2,071	847	839	758	479	433	2.3	5.0	1.7
Africa <sup>1</sup>	254	1,134	2,179	2,238	2,458	2,972	2,468	1,995	3.5	5.3	7.7
Egypt	26	425	770	803	870	908	591	505	.4	1.9	3.1

<sup>1</sup> Includes areas not shown separately. <sup>2</sup> Includes commodities not shown separately. <sup>3</sup> As of Jan. 1, 1982, includes Canary Islands and Madeira Islands. For consistency, data for all years are shown on same basis. <sup>4</sup> Includes Belgium, Luxembourg, Denmark, Greece, and Ireland not shown separately. As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. As of Jan. 1, 1981, Greece became a member of EEC. As of Jan. 1, 1986, Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis. <sup>5</sup> As of Jan. 1, 1984, includes Canary Islands and Spanish Africa, not elsewhere classified. <sup>6</sup> As of Jan. 1, 1984, includes Madeira Islands and Azores.

Sources: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual. Also in *Agricultural Statistics*, annual.

## No. 1096. AGRICULTURAL EXPORTS—VALUE, BY LEADING STATES: 1966

(In millions of dollars. For year ending September 30)

COMMODITY	Total value	FIVE LEADING STATES									
		1		2		3		4		5	
		State	Value	State	Value	State	Value	State	Value	State	Value
Commodities <sup>1</sup>	26,324.7	CA	2,408.8	IL	2,183.1	IA	2,008.2	KS	1,536.3	NE	1,504.0
and products	5,573.4	IL	1,015.9	IA	822.5	IN	481.6	MO	479.2	OH	426.5
and products	4,713.9	IA	889.3	IL	814.1	NE	563.5	IN	383.7	MN	361.0
d products	3,546.2	ND	678.0	KS	643.0	TX	263.7	OK	244.9	CO	204.2
skins	1,455.5	KS	233.8	TX	214.9	NE	213.5	IA	75.8	CO	64.4
meat and meat	1,358.7	KS	170.6	TX	169.0	KY	166.9	NE	163.7	IA	92.5
preparations	1,317.5	NC	610.7	KY	345.1	SC	110.9	VA	75.2	GA	91.6
and prepara-	1,237.0	CA	738.4	FL	223.4	WA	70.6	AZ	45.6	MI	33.9
	1,000.1	CA	416.0	WA	115.3	MI	68.2	WI	53.8	ID	52.4
	661.9	TX	203.2	CA	160.4	MS	65.3	AZ	63.4	LA	36.2
	647.5	AR	298.5	TX	101.7	LA	66.5	CA	76.6	MS	58.8

as other commodities not shown separately.

U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, Mar./Apr. 1967.

## 1966. CROPS—ACREAGE AND VALUE, 1964 TO 1966, AND ORDER OF VALUE, 1966, BY STATE

CROP	ACREAGE HARVESTED (1,000)			FARM VALUE (mil. dol.)				Crops in order of value, 1966
	1964	1965	1966, prel.	1964	1965	1966, prel.		
						Value	Rank	
1	334,723	338,063	312,174	78,386	78,667	66,611	(x)	Corn, soybeans, hay, wheat.
2	3,642	3,321	2,535	774	680	441	33	Peanuts, hay, cotton lint, soybeans.
3	895	809	663	805	735	602	30	Cotton lint, lettuce, hay, cotton seed.
4	8,489	7,779	7,344	1,658	1,402	976	22	Rice, soybeans, cotton lint, hay.
5	5,756	5,809	5,071	8,225	8,060	7,276	1	Grapes, tomatoes, cotton lint, hay.
6	6,859	6,846	6,166	1,179	1,124	639	25	Hay, wheat, corn, potatoes.
7	150	151	140	68	70	75	47	Hay, tobacco, apples, mushrooms.
8	538	554	536	135	126	90	45	Soybeans, corn, potatoes, green peas.
9	1,317	1,344	1,224	2,431	2,585	2,021	9	Tomatoes, oranges, sugarcane <sup>2</sup> , grapefruit.
10	5,628	5,071	3,641	1,864	1,370	1,036	21	Peanuts, tobacco, corn, soybeans.
11	95	89	90	403	373	165	41	Sugarcane <sup>2</sup> , pineapple, macadamia nut, papaya.
12	4,834	4,738	4,585	1,508	1,276	1,166	19	Potatoes, hay, barley, wheat.
13	23,478	23,111	22,050	5,594	6,214	4,216	3	Corn, soybeans, hay, wheat.
14	12,503	12,362	11,680	3,116	3,018	2,039	7	Corn, soybeans, hay, wheat.
15	24,707	25,030	24,086	5,666	5,948	4,291	2	Corn, soybeans, hay, oats.
16	21,173	21,615	20,694	2,674	2,980	2,025	8	Wheat, sorghum, hay, corn.
17	5,661	5,484	5,181	2,004	1,630	1,200	18	Tobacco, corn, hay, soybeans.
18	4,890	4,632	4,370	1,204	920	625	31	Soybeans, cotton lint, rice, sugarcane <sup>2</sup> .
19	384	403	363	142	132	156	42	Potatoes, hay, apples, oats.
20	1,620	1,639	1,582	452	394	271	35	Corn, soybeans, hay, tobacco.
21	170	164	166	163	160	161	40	Cranberries, hay, apples, sweet corn.
22	7,720	7,685	7,009	1,612	1,635	1,265	16	Corn, hay, soybeans, wheat.
23	20,746	20,428	19,246	4,113	3,989	2,840	4	Corn, soybeans, hay, wheat.
24	6,280	5,804	4,878	1,253	1,134	686	29	Cotton lint, soybeans, rice, sorghum.
25	14,487	14,247	13,252	2,072	2,446	1,766	11	Soybeans, corn, hay, sorghum.
26	9,179	7,813	9,415	851	522	719	28	Wheat, hay, barley, potatoes.
27	18,489	18,509	17,473	3,482	3,737	2,541	5	Corn, soybeans, hay, sorghum.
28	598	565	563	130	125	122	43	Hay, potatoes, barley, wheat.
29	112	113	112	29	30	29	48	Hay, apples.
30	466	466	437	211	217	195	39	Hay, peaches, corn, soybeans.
31	1,299	1,381	1,179	365	347	258	36	Hay, wheat, sorghum, cotton.
32	4,026	4,046	3,810	1,025	908	675	23	Hay, corn, apples, potatoes.
33	5,366	5,416	4,856	2,224	1,870	1,369	15	Tobacco, soybeans, corn, peanuts.
34	20,982	20,495	20,571	2,338	2,195	1,648	13	Wheat, barley, hay, sunflower.
35	10,598	10,645	10,257	2,548	2,635	1,972	10	Soybeans, corn, hay, wheat.
36	8,631	8,978	8,568	1,135	1,034	810	26	Wheat, hay, cotton lint, sorghum.
37	2,719	2,739	2,709	968	908	847	24	Hay, wheat, potatoes, pears.
38	4,541	4,569	4,426	1,340	1,177	1,045	20	Hay, corn, mushrooms, apples.
39	17	17	15	7	6	6	49	Hay, tomatoes, apples.
40	2,905	2,778	2,179	732	622	377	34	Tobacco, soybeans, corn, cotton lint.
41	16,180	15,246	15,966	1,748	1,585	1,203	17	Corn, hay, wheat, soybeans.
42	5,365	5,136	4,666	1,158	1,054	738	27	Soybeans, tobacco, hay, corn.
43	19,812	21,094	17,749	3,632	3,644	2,454	6	Cotton lint, hay, sorghum, wheat.
44	1,107	1,129	1,132	250	233	215	37	Hay, wheat, barley, corn.
45	537	540	530	85	86	82	46	Hay, apples, potatoes.
46	3,057	3,002	2,810	863	691	544	32	Hay, tobacco, soybeans, corn.
47	4,769	5,052	4,492	2,020	1,786	1,730	12	Apples, wheat, potatoes, hay.
48	765	732	683	139	123	99	44	Hay, apples, corn, tobacco.
49	9,394	9,221	9,013	2,239	2,110	1,534	14	Hay, corn, potatoes, oats.
50	1,902	1,869	1,963	256	236	212	38	Hay, barley, sugar beets, wheat.

applicable. <sup>1</sup> Excludes Alaska. <sup>2</sup> For sugar and seed. <sup>3</sup> Incomplete data.U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production, annual*, and *Crop Values, annual*.



## No. 1100. PRINCIPAL CROPS—PRODUCTION, SUPPLY AND DISAPPEARANCE: 1982 TO 1986

[Marketing year beginning May 1 for hay, June 1 for wheat and barley, August 1 for cotton and rice, September 1 for soybeans, corn, and sorghum. Acreage, production, and yield of all crops periodically revised on basis of census data. See also *Historical Statistics, Colonial Times to 1970*, series K 506-563]

CROP AND YEAR	Acreage harvest- ed (mil.)	Yield per acre	Produc- tion	Farm price <sup>1</sup>	Farm value (mil. dol.)	Total sup- ply <sup>2</sup>	DISAPPEARANCE		Ending stocks
							Total <sup>3</sup>	Ex- ports	
<b>Corn for grain:</b>		Bu.	Mil. bu.	\$/bu.			Mil. bu.		
1982 .....	72.7	113.2	8,235	2.68	22,039	10,772	7,249	1,834	3,523
1983 .....	51.5	81.1	4,175	3.25	13,535	7,700	6,694	1,901	1,006
1984 .....	71.9	106.7	7,674	2.62	20,065	8,684	7,036	1,865	1,648
1985 .....	75.2	118.0	8,877	2.37	21,029	10,535	6,498	1,241	4,040
1986 .....	69.2	119.3	8,253	* 1.49	12,387	12,295	7,180	1,450	5,115
<b>Soybeans for beans:</b>		Bu.	Mil. bu.	\$/bu.			Mil. bu.		
1982 .....	69.4	31.5	2,190	5.69	12,463	2,444	2,099	905	345
1983 .....	62.5	26.2	1,636	7.81	12,775	1,981	1,805	743	176
1984 .....	66.1	28.1	1,861	5.78	10,746	2,037	1,721	598	316
1985 .....	61.6	34.1	2,099	5.04	10,571	2,415	1,879	740	536
1986 .....	59.4	33.8	2,007	* 4.65	9,326	2,543	1,963	700	580
<b>Hay:</b>		Sh. tons	Mil. sh. tons	\$/ton			Mil. sh. tons		
1982 .....	59.8	2.50	149	* 69.30	9,530	174.2	148.1	(NA)	28.1
1983 .....	59.7	2.36	141	* 75.80	9,987	168.9	148.8	(NA)	20.1
1984 .....	61.4	2.45	151	* 72.70	10,204	170.7	143.8	(NA)	26.9
1985 .....	60.4	2.46	149	* 67.80	9,437	175.9	149.1	(NA)	26.8
1986 .....	62.3	2.49	155	* 60.10	8,644	180.2	(NA)	(NA)	(NA)
<b>Wheat:</b>		Bu.	Mil. bu.	\$/bu.			Mil. bu.		
1982 .....	77.9	35.5	2,765	3.55	9,813	3,932	2,417	1,509	1,515
1983 .....	61.4	39.4	2,420	3.53	8,533	3,939	2,540	1,429	1,389
1984 .....	66.9	38.8	2,595	3.38	8,755	4,003	2,578	1,424	1,425
1985 .....	84.7	37.5	2,425	3.15	7,648	3,985	1,981	915	1,905
1986 .....	80.7	34.4	2,087	* 2.34	4,661	4,007	2,159	1,025	1,648
<b>Cotton:</b>		Lb.	Mil. bales <sup>4</sup>	¢/lb.			1,000 bales <sup>4</sup>		
1982 .....	9.7	590	* 12.0	59.4	3,410	18,615	10,719	5,207	* 7,937
1983 .....	7.3	508	* 7.8	66.4	2,478	15,721	12,714	6,788	* 2,775
1984 .....	10.4	600	* 13.0	57.8	3,603	15,781	11,755	6,215	* 4,102
1985 .....	10.2	630	* 13.4	56.5	3,645	17,567	8,375	1,969	* 9,348
1986 .....	8.5	552	* 9.7	* 52.2	2,441	19,384	13,760	6,750	* 5,683
<b>Tobacco: <sup>5</sup></b>		Lb.	Mil. lb.	\$/lb.			Mil. lb.		
1982 .....	.9	2,185	1,984	1.76	3,519	5,582	1,682	628	<sup>10</sup> 3,920
1983 .....	.8	1,811	1,429	1.75	2,488	5,349	1,532	598	3,817
1984 .....	.8	2,183	1,728	1.81	3,121	5,545	1,621	886	<sup>10</sup> 3,924
1985 .....	.7	2,197	1,512	1.65	2,487	5,435	1,620	620	3,815
1986 .....	.6	1,997	1,166	1.53	1,778	5,008	(NA)	(NA)	(NA)
<b>Sorghum for grain:</b>		Bu.	Mil. bu.	\$/bu.			Mil. bu.		
1982 .....	14.1	59.1	835	2.52	2,091	1,154	715	210	439
1983 .....	10.0	46.7	488	2.84	1,382	927	639	245	287
1984 .....	15.4	56.4	666	2.39	2,055	1,154	854	297	300
1985 .....	16.8	66.8	1,120	2.28	2,538	1,421	870	178	551
1986 .....	13.9	67.7	942	* 1.36	1,316	1,493	760	175	713
<b>Barley:</b>		Bu.	Mil. bu.	\$/bu.			Mil. bu.		
1982 .....	9.0	57.2	516	2.22	1,143	674	458	47	217
1983 .....	9.7	52.3	508	2.50	1,269	733	544	92	189
1984 .....	11.2	53.4	599	2.26	1,356	799	551	77	247
1985 .....	11.6	51.0	591	1.98	1,169	648	523	22	325
1986 .....	12.0	50.8	610	* 1.56	948	940	625	150	315
<b>Rice, rough:</b>		Lb.	Mil. cwt.	\$/cwt.			Mil. cwt.		
1982 .....	3.3	4,710	154	8.11	1,247	203	132	69	71
1983 .....	2.2	4,598	100	8.76	874	172	125	70	47
1984 .....	2.8	4,954	139	8.08	1,119	187	123	62	65
1985 .....	2.5	5,414	135	6.62	893	202	125	59	77
1986 .....	2.4	5,646	134	* 3.93	528	214	151	60	63

NA Not available. <sup>1</sup> Except as noted, season average prices received by farmers. U.S. prices are computed by weighting State prices by estimated sales and include an allowance for outstanding loans and government purchases, if any, for crops under government programs. <sup>2</sup> Comprises production, imports, and beginning stocks. <sup>3</sup> Includes feed, residual, and other domestic uses not shown separately. <sup>4</sup> Marketing year average price. U.S. prices are computed by weighting U.S. monthly prices by estimated monthly marketings and do not include an allowance for outstanding loans and government purchases and payments. <sup>5</sup> Prices are for hay sold baled. <sup>6</sup> Bales of 480 pounds, net weight. <sup>7</sup> State production figures, which conform with U.S. Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands and added for U.S. totals. <sup>8</sup> Stock estimates based on Census Bureau data which results in an unaccounted difference between supply and use estimates and changes in ending stocks. <sup>9</sup> Flue-cured and cigar wrapper, crop year July-June; all other types October-September. Farm-sales-weight basis. <sup>10</sup> Includes tobacco carried over on farms.

Source: Production—U.S. Dept. of Agriculture, National Agricultural Statistics Service. In *Crop Production*, annual; *Field Crops* (Statistical Bulletin No. 708); *Crop Values* (Statistical Bulletin No. 729). Supply and disappearance—U.S. Dept. of Agriculture, Economic Research Service, *Feed Situation*, quarterly; *Fats and Oils Situation*, quarterly; *Wheat Situation*, quarterly; *Tobacco Situation*, quarterly; *Cotton and Wool Outlook Statistics*, periodic; and *Agricultural Supply and Demand Estimates*, periodic. All data are also in *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly.

## No. 1101. PRICE SUPPORT OPERATIONS—SELECTED COMMODITIES: 1982 TO 1986

[For explanation of price support operations, see text, section 23]

CROP AND YEAR	Support or target price <sup>1</sup> (dol. per bu.)	National average loan rate (dol. per bu.)	QUANTITY UNDER SUPPORT <sup>2</sup>		CROP AND YEAR	Support or target price <sup>1</sup>	National average loan rate	QUANTITY UNDER SUPPORT <sup>2</sup>	
			Amount (mil. bu.)	Percent of production				Amount	Percent of production
<b>Corn:<sup>3</sup></b>					<b>Cotton:<sup>4</sup></b>	Cents per lb.		1,000 bales <sup>14</sup>	
1982	2.70	2.55	1,580	19	1982	71.0	57.1	5,007	42
1983	2.86	2.65	162	4	1983	76.0	55.0	1,744	22
1984	3.03	2.55	1,087	14	1984	81.0	55.0	2,957	23
1985	3.03	2.55	3,140	35	1985	81.0	57.3	7,291	55
1986	3.03	1.92	4,900	59	1986	81.0	55.0	6,175	65
<b>Soybeans:<sup>5</sup></b>					<b>Sorghum:<sup>6</sup></b>	Dol. per cwt.		Mil. cwt.	
1982	(X)	5.02	387	16	1982	4.84	4.32	135	29
1983	(X)	5.02	101	6	1983	4.86	4.50	8	3
1984	(X)	5.02	278	15	1984	5.14	4.32	36	7
1985	(X)	5.02	517	25	1985	5.14	4.32	201	32
1986	(X)	4.77	335	17	1986	5.14	3.25	220	42
<b>Wheat:<sup>7</sup></b>					<b>Rice:<sup>8</sup></b>	Dol. per cwt.		Mil. cwt.	
1982	4.06	3.55	848	23	1982	10.85	8.14	65	42
1983	4.30	3.65	835	26	1983	11.40	8.14	40	40
1984	4.38		264	11	1984	11.90	8.00	58	42
1985	4.38	3.30	841	35	1985	11.90	8.00	75	56
1986	4.38	2.40	515	25	1986	11.90	7.20	132	68

X Not applicable. <sup>1</sup> Guaranteed on normal production from participating farms. <sup>2</sup> Represents loans made, purchases, and release agreements entered into. <sup>3</sup> For years beginning September 1. <sup>4</sup> National average loan rate for corn put into mar-owned reserve was \$2.90 in 1982. <sup>5</sup> 1986 annual loan rates were reduced 4.3 percent for budget purposes (e.g. corn came \$1.64 per bu.). <sup>6</sup> Preliminary. <sup>7</sup> For years beginning June 1. <sup>8</sup> National average loan rate for wheat put into mar-owned reserve was \$4.00 in 1982. <sup>9</sup> For years beginning August 1. <sup>10</sup> Bales of 480 lb. net weight. <sup>11</sup> National average loan rate for grain sorghum put into the farmer-owned reserve was \$4.91 in 1982.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service. Data published in *Agricultural Statistics*, vol.

## No. 1102. CORN FOR GRAIN—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1984 TO 1986

[See *Historical Statistics, Colonial Times to 1970*, series K 502-505, for U.S. data on corn for all purposes]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.) <sup>1</sup>			PRODUCTION (mil. bu.) <sup>2</sup>			PRICE <sup>3</sup> (dol. per bu.)			FARM VALUE <sup>4</sup> (mil. dol.)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
U.S. <sup>5</sup>	71,916	75,224	80,189	108.7	118.0	118.3	7,874	8,877	9,253	2.82	2.37	1.46	20,065	21,029	12,387
Ala.	385	325	270	85.0	75.0	57.0	25	24	15	2.85	2.32	1.85	71	57	26
Ark.	375	320	250	136.0	145.0	152.0	51	46	38	3.40	3.00	2.25	173	139	86
Cal.	680	745	710	134.0	139.0	140.0	91	104	98	2.86	2.41	1.80	242	250	159
Col.	150	175	186	113.0	109.0	83.0	17	19	14	2.95	2.49	1.80	50	47	25
Del.	865	975	730	82.0	84.0	58.0	81	82	42	2.99	2.49	1.90	242	204	80
Fla.	10,840	11,370	10,400	114.0	135.0	136.0	1,247	1,535	1,404	2.85	2.42	1.50	3,305	3,715	2,106
Ill.	6,030	6,150	5,700	117.0	123.0	122.0	708	758	685	2.80	2.33	1.50	1,834	1,783	1,043
Ind.	12,800	13,550	12,060	112.0	126.0	135.0	1,445	1,707	1,627	2.50	2.33	1.40	3,812	3,978	2,277
Iowa	955	1,170	1,335	125.0	130.0	136.0	119	152	182	2.77	2.43	1.55	331	370	281
Kan.	1,480	1,580	1,520	100.0	102.0	92.0	148	159	140	2.82	2.47	1.70	412	383	236
La.	82	205	385	115.0	114.0	118.0	9	23	45	3.35	2.80	1.85	32	61	83
Mass.	580	640	580	118.0	110.0	73.0	70	70	42	2.93	2.48	1.80	204	175	76
Mich.	2,820	2,730	2,450	84.0	105.0	105.0	220	287	257	2.58	2.30	1.40	583	859	360
Minn.	6,440	6,300	5,800	107.0	115.0	122.0	689	725	708	2.45	2.25	1.40	1,888	1,630	980
Mo.	70	115		70.0	68.0	75.0	5	8	14	3.40	2.89	2.00	17	23	27
Nebr.	1,930	2,480	2,420	80.0	110.0	118.0	154	273	281	2.88	2.34	1.40	414	838	363
N.C.	6,950	7,450	7,000	116.0	128.0	128.0	806	954	898	2.58	2.38	1.55	2,084	2,270	1,389
N.D.	870	720	850	91.0	95.0	99.0	81	68	84	2.86	2.47	1.70	174	169	109
Okla.	1,820	1,825	1,380	90.0	79.0	89.0	146	128	94	2.80	2.53	1.75	408	325	184
Pa.	830	580	530	66.0	72.0	83.0	42	40	46	2.54	2.35	1.35	108	95	87
R.I.	3,900	4,030	3,720	118.0	127.0	128.0	460	512	478	2.58	2.33	1.50	1,192	1,193	714
S.C.	1,350	1,380	1,240	110.0	110.0	103.0	149	182	128	2.83	2.52	1.80	420	383	230
Tenn.	447	520	480	78.0	88.0	48.0	35	46	21	2.75	2.28	1.85	98	104	35
Tex.	2,780	3,000	2,850	87.0	84.0	82.0	186	252	234	2.44	2.20	1.35	454	554	315
Vt.	880	810	770	95.0	98.0	74.0	86	79	57	2.80	2.44	1.80	190	194	91
Wash.	1,550	1,490	1,330	90.0	105.0	112.0	144	156	149	3.03	2.55	1.85	437	399	278
W.Va.	540	550	400	104.0	99.0	84.0	56	54	22	2.90	2.53	1.75	163	136	38
Wis.	150	135	120	155.0	160.0	170.0	23	22	20	3.00	2.88	1.85	70	57	38
Wyo.	3,250	3,350	3,100	108.0	107.0	116.0	345	358	366	2.57	2.33	1.45	886	835	520

pounds per bushel. <sup>2</sup> Season average prices for 1984 and 1985; marketing year average prices for 1986. See also as 1 and 4, table 1100. <sup>3</sup> For 1984 and 1985, includes an allowance for loans outstanding and purchases by the tenant valued at the average loan and purchase rate, by State. <sup>4</sup> Includes other States not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

## NO. 1103. SOYBEANS FOR BEANS—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1964 TO 1966

(See *Historical Statistics, Colonial Times to 1970*, series K 521, for U.S. totals)

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.)			PRODUCTION (mil. bu.)			PRICE <sup>1</sup> <sup>2</sup> (dol. per bu.)			FARM VALUE <sup>1</sup> (mil. dol.)		
	1964	1965	1966	1964	1965	1966	1964	1965	1966	1964	1965	1966	1964	1965	1966
Total <sup>3</sup>	61,584	61,584	60,427	28.1	34.1	33.8	1,861	2,098	2,007	5.79	5.04	4.85	10,748	10,571	9,320
AR	3,900	3,700	3,300	26.0	26.5	21.0	101	98	69	5.96	5.18	5.00	604	508	347
IL	9,020	9,000	9,150	31.5	42.5	40.0	284	383	366	5.65	5.18	4.75	1,602	1,974	1,738
IN	4,350	4,480	4,250	34.5	41.5	38.0	150	185	162	5.87	5.04	4.65	881	933	751
IA	8,400	8,150	8,750	31.5	38.0	41.5	265	310	363	5.55	4.98	4.50	1,469	1,542	1,600
KS	1,590	1,410	1,780	17.5	31.0	34.0	27	44	60	5.74	4.95	4.50	160	216	269
KY	1,460	1,230	1,170	29.0	34.0	32.0	42	42	37	6.07	5.25	4.90	257	220	183
LA	2,430	2,100	1,820	27.5	21.0	21.0	67	44	38	6.00	5.01	4.65	401	221	178
MI	1,190	1,080	950	27.0	32.0	32.0	32	35	30	5.73	4.94	4.55	184	171	138
MN	5,240	5,000	4,800	33.0	32.0	35.5	173	160	170	5.43	4.96	4.55	939	794	775
MS	3,200	2,620	2,450	24.0	27.0	18.0	77	71	44	6.04	5.16	4.85	464	365	218
MO	5,300	5,230	5,300	20.5	34.5	39.5	109	180	178	5.78	4.96	4.50	628	885	789
NE	2,550	2,380	2,450	28.0	36.0	39.0	66	85	95	5.55	4.86	4.50	366	413	430
NC	1,790	1,700	1,800	26.0	23.0	24.0	47	39	38	5.93	5.03	4.65	276	197	186
ND	740	490	470	23.0	26.0	35.5	17	13	17	5.51	4.79	4.40	94	61	73
OH	3,770	3,670	3,670	36.5	41.5	41.0	136	161	150	5.64	5.10	4.75	604	819	715
SD	1,360	1,270	1,330	23.0	32.0	31.0	31	41	41	5.47	4.62	4.55	171	196	188
TN	1,850	1,480	1,500	26.0	31.0	25.0	46	45	38	5.94	5.06	4.90	286	230	184

<sup>1</sup> For 1964 and 1965 includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by State. <sup>2</sup> See footnote 2, table 1102. <sup>3</sup> Includes other States not shown separately.

## NO. 1104. WHEAT—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1964 TO 1966

(See *Historical Statistics, Colonial Times to 1970*, series K 508-509, for U.S. acreage, production, and price)

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bushels) <sup>1</sup>			PRODUCTION (mil. bushels) <sup>2</sup>			PRICE <sup>1</sup> <sup>2</sup> (dol. per bu.)			FARM VALUE <sup>3</sup> (mil. dol.)		
	1964	1965	1966, prel.	1964	1965	1966, prel.	1964	1965	1966, prel.	1964	1965	1966, prel.	1964	1965	1966, prel.
U.S. <sup>4</sup>	66,328	64,734	60,888	36.8	37.5	34.4	2,565	2,425	2,087	3.26	3.45	2.34	6,756	7,848	4,881
AR	1,400	570	780	44.0	32.0	41.0	62	18	32	3.29	3.08	2.50	203	56	80
CA	784	830	675	78.9	63.0	76.3	62	69	52	3.71	3.46	2.80	229	238	144
CO	3,270	3,522	2,955	35.2	39.6	32.6	115	139	98	3.19	2.92	2.16	387	407	208
ID	1,280	1,350	1,310	63.6	53.4	62.4	81	72	82	3.30	3.21	2.38	269	232	187
IL	1,600	750	820	44.0	48.0	44.0	70	37	36	3.27	3.03	2.40	230	111	87
KS	11,200	11,400	10,200	38.5	38.0	33.0	431	433	337	3.32	3.06	2.20	1,432	1,311	741
MN	2,553	2,683	2,814	47.3	53.1	38.8	121	142	104	3.41	3.25	2.35	412	483	243
MT	4,640	3,600	4,760	22.6	12.7	29.1	105	50	139	3.52	3.45	2.43	366	173	337
NE	2,250	2,300	2,000	36.0	39.0	36.0	81	90	78	3.28	2.95	2.10	266	265	180
ND	8,660	8,670	9,380	32.6	35.4	30.9	284	323	280	3.53	3.28	2.39	1,003	1,061	680
OH	1,100	950	1,050	44.0	62.0	48.0	48	59	44	3.31	3.00	2.36	160	177	114
OK	5,300	5,500	5,200	36.0	30.0	29.0	191	165	151	3.36	3.24	2.20	641	535	332
OR	1,115	1,085	1,025	61.8	52.6	57.0	69	56	58	3.47	3.41	2.45	239	181	143
SD	3,662	3,755	3,840	34.4	29.6	26.3	126	111	109	3.46	3.26	2.29	431	365	249
TX	5,000	5,850	4,800	30.0	32.0	25.0	150	187	120	3.39	3.13	2.30	508	586	278
WA	2,610	2,890	2,410	61.4	47.7	48.5	160	126	117	3.45	3.41	2.45	553	437	288

<sup>1</sup> 60 pounds per bushel. <sup>2</sup> See footnote 2, table 1102. <sup>3</sup> See footnote 3, table 1102. <sup>4</sup> Includes other States not shown separately.

## NO. 1105. COTTON—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1964 TO 1966

(Cotton production excludes lint. Values shown are for marketing season or crop year and should not be confused with calendar-year income. See *Historical Statistics, Colonial Times to 1970*, series K 563-558 for U.S. totals)

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (lb.)			PRODUCTION (1,000 bales) <sup>1</sup>			FARM PRICE PER LB. <sup>2</sup> (cents)			FARM VALUE <sup>3</sup> (mil. dol.)		
	1964	1965	1966	1964	1965	1966	1964	1965	1966	1964	1965	1966	1964	1965	1966
Total <sup>4</sup>	10,379	10,229	8,486	600	530	552	12,882	13,432	9,731	57.8	56.6	52.8	1,344	3,845	2,441
AL	307	329	313	699	795	506	447	545	330	55.3	55.6	48.8	119	145	77
AZ	479	415	323	1,187	1,186	1,224	1,185	1,037	623	62.2	60.5	63.0	364	301	240
AR	465	440	480	632	767	602	612	703	602	55.6	56.6	46.9	163	191	136
CA	1,400	1,320	990	999	1,132	1,066	2,813	3,114	2,245	66.6	61.4	62.6	634	918	677
GA	172	245	195	784	725	455	281	370	185	58.4	54.8	52.1	79	97	46
LA	645	630	570	786	585	567	1,056	742	673	54.3	55.7	46.6	275	188	151
MS	1,032	1,040	1,000	767	764	571	1,650	1,655	1,190	54.2	56.6	47.1	429	450	289
MO	182	150	180	654	653	566	187	204	198	57.9	56.6	51.5	52	56	46
TN	325	335	335	496	600	567	337	418	386	58.2	54.5	48.8	91	110	80
TX	4,719	4,669	3,476	377	406	356	3,710	3,945	2,578	52.6	52.7	46.3	940	986	573

<sup>1</sup> Bales of 480 lb. net weight. <sup>2</sup> Includes allowance for unredeemed loans in 1964 and 1965. For 1966, average price to April 1, 1967, with no allowance for unredeemed loans. <sup>3</sup> See footnote 2, table 1102. <sup>4</sup> Includes other States not shown separately.

Source of tables 1103-1105: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production, May Issues and Outlook*, and *Crop Values*, annual.

## NO. 1100. TOBACCO—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1964 TO 1966

[See *Historical Statistics, Colonial Times to 1970*, series K 561-563, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (pounds)			PRODUCTION (mil. lb.)			PRICE <sup>1</sup> (doll. per lb.)			FARM VALUE (mil. dol.)		
	1964	1965	1966	1964	1965	1966	1964	1965	1966	1964	1965	1966	1964	1965	1966
Total <sup>2</sup>	782	888	884	2,183	2,197	1,987	1,720	1,512	1,166	1.61	1.55	1.53	3,121	2,487	1,778
7	7	6	5	2,500	2,675	2,510	18	16	13	1.80	1.71	1.62	32	28	22
36	36	31	31	2,250	2,260	2,190	86	82	68	1.83	1.71	1.56	156	140	107
8	8	7	6	2,320	2,240	2,050	19	15	12	1.87	1.56	1.56	35	23	19
229	186	153	153	2,320	2,300	2,064	530	428	315	1.86	1.56	1.55	982	678	498
23	20	18	18	1,320	1,330	1,350	30	27	24	1.40	1.32	(*)	42	36	32
272	251	215	215	2,172	2,220	2,073	590	557	445	1.81	1.71	1.53	1,067	951	682
12	8	7	7	2,209	2,140	1,829	27	17	14	1.81	1.52	1.54	48	26	21
47	43	37	37	2,245	2,300	2,040	106	99	75	1.81	1.73	1.44	191	171	109
75	62	49	49	2,062	2,086	1,862	155	127	83	1.79	1.57	1.52	277	200	128
54	43	36	36	2,153	2,104	1,913	116	91	74	1.79	1.66	1.50	207	154	111

<sup>1</sup> See footnote 1, table 1100. <sup>2</sup> Includes other States not shown separately. <sup>3</sup> Evaluated at 132.3 cents per pound.Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, May issue and annual; and *Crop Value*, annual.

## NO. 1107. SUGAR, BEET AND CANE—SUPPLY AND DISAPPEARANCE: 1970 TO 1966

[In thousands of short tons, raw value]

ITEM	1970	1975	1976	1979	1986	1981	1982	1982	1984	1986	1986, prel.
Total supply	14,382	16,132	14,828	14,821	14,199	14,382	12,441	12,093	12,043	11,837	11,837
United States production	5,874	6,300	5,802	5,793	5,736	6,225	5,036	5,082	5,090	5,069	6,257
Beet	3,511	3,473	3,067	3,066	3,052	3,182	3,180	2,588	3,069	2,869	3,201
Mainland cane <sup>1</sup>	1,201	1,720	1,506	1,667	1,661	1,995	1,793	2,050	1,788	2,086	2,024
Hawaii	1,162	1,107	1,029	1,050	1,023	1,048	963	1,044	1,082	1,014	1,032
Imports	5,296	3,882	4,963	5,027	4,485	5,025	2,964	3,186	3,559	2,797	2,223
Puerto Rico	363	96	82	47	178	46	80	67	24	36	31
Beginning stocks	2,809	2,854	4,481	3,754	3,701	3,082	3,461	3,066	2,570	3,005	3,126
Total disappearance	10,835	10,276	11,874	10,926	11,038	10,819	8,373	8,433	8,838	8,881	8,419
U.S. consumption	10,532	10,302	10,899	10,756	10,188	9,789	9,180	8,917	8,454	8,036	7,810
Exports	68	216	46	73	889	1,191	137	300	429	484	557
Other <sup>2</sup>	326	-242	137	91	150	-41	76	216	155	182	43

Florida, Louisiana, and beginning 1975, Texas. <sup>1</sup> Includes net change in invisible stocks, balancing items, and minor infills of sugar for livestock feed and alcohol.Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation*.

## NO. 1108. SUGARCANE AND SUGAR BEETS, AND SUGAR—SUMMARY: 1970 TO 1966

[Data are for crop year. See also *Historical Statistics, Colonial Times to 1970*, series K 542-546]

ITEM	Unit	1970	1975	1979	1986	1981	1982	1982	1984	1986	1986
Sugarcane for sugar and seed:											
Acreage harvested	1,000 acres	584	774	733	733	755	742	768	747	770	796
Yield per acre	Sh. tons	41.1	36.8	38.2	38.8	36.3	40.1	38.7	36.6	36.6	38.1
Production	MIL. tons	24.0	28.3	28.5	27.0	27.4	29.8	28.2	27.3	28.2	30.3
Price per ton for sugar <sup>1</sup>	Dollars	10.50	21.50	26.00	36.50	24.90	26.50	27.80	26.20	26.70	(NA)
Farm value <sup>2</sup>	MIL. dol.	140	606	691	1,036	682	790	781	770	752	(NA)
Sugar beets:											
Acreage harvested	1,000 acres	1,415	1,517	1,120	1,180	1,226	1,027	1,056	1,086	1,103	1,191
Yield per acre	Sh. tons	18.7	19.6	18.6	19.6	22.4	20.3	19.9	20.2	20.4	21.2
Production	MIL. sh. tons	26.4	29.7	22.0	23.5	27.5	20.9	21.0	22.1	22.5	25.2
Price per ton <sup>1</sup>	Dollars	14.60	27.60	33.90	47.20	29.20	35.40	37.00	33.90	33.60	(NA)
Farm value	MIL. dol.	392	821	745	1,109	804	740	778	750	761	(NA)
Sugar produced:											
Raw value <sup>3</sup>	1,000 tons	3,322	4,019	2,879	3,149	3,386	2,737	2,899	2,902	3,000	3,414
Refined value <sup>4</sup>	1,000 tons	2,418	2,934	2,700	2,728	2,833	3,083	2,930	3,007	3,035	3,281
Per ton of cane <sup>5</sup>	Lb.	210	214	213	213	217	215	215	231	226	227
Refined basis <sup>6</sup>	1,000 tons	2,256	2,743	2,524	2,550	2,847	2,863	2,736	2,811	2,835	3,098
Loss made from sugar-											
Loss <sup>7</sup>	MIL. gal.	141	163	165	163	163	177	178	174	179	186

Not available. <sup>1</sup> Season average prices received by farmers. Prices exclude Government payments under Sugar Act. Includes Hawaii. <sup>2</sup> Price per ton of cane for sugar used in evaluating value of production for seed. <sup>3</sup> Raw value equals sugar as defined in Sugar Act of 1948. <sup>4</sup> Calculated on the basis of 100 lbs. of raw sugar required to produce 93.46 lbs. of refined sugar. <sup>5</sup> 80° brix except 85° brix for Hawaii. Includes high-test molasses from frozen cane. Excludes edible molasses.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 708); *Crop Production*, May issue and annual; and *Crop Value*, annual.

**NO. 1108. COMMERCIAL VEGETABLE AND OTHER SPECIFIED CROPS—AREA, PRODUCTION, AND VALUE,  
1984 TO 1986, AND LEADING PRODUCING STATES, 1986**

(Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income.)

CROP	AREA <sup>1</sup> (1,000 acres)			PRODUCTION <sup>2</sup> (1,000 short tons)			VALUE <sup>3</sup> (mil. dol.)			Leading States in order of production, 1986
	1984	1985	1986	1984	1985	1986	1984	1985	1986	
Asparagus.....	83.9	91.5	96.2	94.8	108.6	111.5	116.5	137.5	137.0	CA, WA, MI.
Beans, snap <sup>4</sup> .....	216.6	222.2	190.6	686.1	702.5	609.4	119.9	118.8	97.3	WI, OR, NY
Beans, dry edible.....	1,480.3	1,481.4	1,495.0	1,053.5	1,108.6	1,144.9	396.0	389.4	431.2	ND, NE, CA
Broccoli.....	108.6	109.5	119.1	514.1	531.4	576.5	237.9	239.9	239.7	CA, TX, OR
Carrots.....	93.6	90.1	96.1	1,196.7	1,146.6	1,171.7	247.9	205.4	236.9	CA, WA, TX
Cauliflower.....	80.8	81.2	87.8	334.4	333.2	376.4	174.9	169.1	191.9	CA, AZ, OR
Celery.....	35.1	33.9	33.3	937.9	917.5	680.7	228.5	189.5	211.1	CA, FL, MI
Corn, sweet.....	620.2	625.9	696.0	3,331.6	3,428.1	3,310.3	367.1	367.5	368.7	MN, WI, OR
Cucumbers <sup>4</sup> .....	103.6	115.2	110.5	618.2	694.4	639.6	103.8	123.6	113.4	MI, NC, CA
Honeydew melons.....	23.3	25.7	28.6	201.6	237.9	271.9	56.9	58.1	69.1	CA, TX, AZ
Lettuce.....	221.9	225.7	216.0	3,215.5	3,090.2	2,931.1	706.3	675.3	701.3	CA, AZ, FL
Peppermint.....	67.2	65.1	64.2	2.2	2.2	2.2	47.0	44.0	46.0	OR, WA
Spearmint.....	27.9	30.1	28.5	1.0	1.2	1.3	25.4	27.1	28.4	WA, ID
Onions.....	129.4	122.8	115.3	2,182.9	2,253.0	2,165.1	422.5	347.2	427.7	CA, OR, TX
Peas, green <sup>4</sup> .....	330.5	363.8	272.4	495.3	577.8	414.9	117.3	138.5	93.8	WI, MN, WA
Potatoes.....	1,301.0	1,361.1	1,215.3	1,813.1	2,036.6	1,772.3	2,045.7	1,570.6	1,739.7	ID, WA, OR
Strawberries.....	43.3	44.1	44.4	495.5	509.4	508.7	413.3	450.8	503.6	CA, OR, NY
Sweet potatoes.....	102.5	105.3	94.4	649.3	742.7	637.7	182.2	130.5	130.8	NC, LA, CA
Tomatoes.....	414.8	390.1	379.2	9,090.6	8,672.0	8,971.0	1,239.6	1,197.9	1,264.9	CA, OH, IN

<sup>1</sup> Area of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other factors, plus area harvested for processing. <sup>2</sup> Excludes some quantities not marketed. <sup>3</sup> Fresh market vegetables valued at f.o.b. shipping point. Processing vegetables are equivalent returns at packinghouse door. <sup>4</sup> Processing only.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Vegetables*, annual summary. Also in *Agriculture*, Statistics, annual.

**NO. 1110. FRUITS AND NUTS—UTILIZED PRODUCTION AND VALUE, 1984 TO 1986, AND LEADING  
PRODUCING STATES, 1986**

FRUIT	Unit	UTILIZED PRODUCTION <sup>1</sup>			FARM VALUE (mil. dol.)			Leading States in order of production, 1986
		1984	1985	1986	1984	1985	1986	
Apples (36 States) <sup>2</sup> .....	MIL. lb.	6,316	7,834	7,985	626	816	1,068	WA, NY, MI
Apricots.....	1,000 tons	117	108	55	36	26	22	CA, WA, UT
Avocados.....	1,000 tons	230	169	273	126	176	167	CA, FL
Bananas.....	MIL. lb.	9	8	10	3	2	3	HI
Cherries, sweet.....	1,000 tons	164	127	137	100	101	113	WA, OR, MI
Cherries, tart.....	MIL. lb.	256	280	218	64	69	50	MI, UT, NY
Cranberries.....	1,000 bbl. <sup>3</sup>	3,322	3,485	3,660	161	190	169	MA, WI, NJ
Dates.....	1,000 tons	22	29	19	16	25	16	CA
Figs (fresh).....	1,000 tons	37	33	47	10	10	12	CA
Grapefruit (4 States).....	MIL. boxes <sup>4</sup>	54	58	56	220	309	335	FL, CA, AZ
Grapes (12 States).....	1,000 tons	5,169	5,607	5,225	669	859	1,170	CA, NY, WA
Kiwifruit.....	1,000 tons	17	21	23	18	17	24	CA
Lemons (2 States).....	MIL. boxes <sup>5</sup>	21	26	18	125	166	218	CA, AZ
Limes (FL).....	MIL. boxes <sup>6</sup>	2	2	2	18	20	21	FL
Nectarines.....	1,000 tons	183	210	172	56	69	76	CA
Olives.....	1,000 tons	91	96	112	50	54	63	CA
Oranges and tangerines (4 States).....	MIL. boxes <sup>7</sup>	175	162	180	1,343	1,506	1,122	FL, CA, AZ
Papayas.....	MIL. lb.	81	60	61	9	9	11	HI
Peaches (32 States).....	MIL. lb.	2,466	2,046	2,226	321	307	327	CA, SC, NJ
Pears.....	1,000 tons	697	747	780	180	201	198	CA, WA, OR
Pineapples.....	1,000 tons	800	595	646	90	91	100	HI
Plums and prunes (fresh).....	1,000 tons	721	639	481	161	162	160	CA, OR, MI
Pomegranates.....	1,000 tons	19	16	21	2	6	9	CA
Tangelos (FL).....	MIL. boxes <sup>8</sup>	4	4	4	23	34	19	FL
Tampons (FL).....	MIL. boxes <sup>9</sup>	3	3	3	21	26	18	FL
Almonds (shelled basis).....	MIL. lb.	590	485	260	448	361	482	CA
Filberts (in the shell).....	1,000 tons	13	25	15	6	17	11	OR, WA
Macadamia nuts.....	MIL. lb.	26	42	44	26	30	35	HI
Pecans (in the shell) (11 States).....	MIL. lb.	232	244	273	133	166	198	GA, TX, LA
Pistachios.....	MIL. lb.	63	27	75	62	36	66	CA
Walnuts, English (in the shell).....	1,000 tons	213	219	180	155	175	194	CA

<sup>1</sup> Excludes quantities not harvested or not marketed. <sup>2</sup> Production in commercial orchards with 100 or more bearing apple trees. <sup>3</sup> Barrels of 100 pounds. <sup>4</sup> Approximate average, net weight, is 65 lb. in AZ and CA, 85 in FL, and 80 in TX. <sup>5</sup> About 78 lb. net. <sup>6</sup> Approximate net weight is 80 lb. <sup>7</sup> Not contents of box varies. In CA and AZ approximate average for oranges and tangerines is 75 lb., FL oranges, 90 lb., TX oranges, 85 lb.; and FL tangerines, 95 lb. <sup>8</sup> Approximate net weight is 80 lb.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts*, annual; and *Citrus Fruits*, annual.

## NO. 1111. RED MEATS—SLAUGHTERING, PRODUCTION, AND TRADE: 1970 TO 1986

[Quantities represent carcass weight equivalent. 1970 excludes Alaska and Hawaii except for exports and imports. Cattle inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1970*, series K 583-594.]

Item	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>All red meats:</b>												
Animals slaughtered, total	Mil. head	137.3	134.8	128.2	132.3	138.7	136.8	128.8	135.0	133.8	131.3	128.8
Under Federal inspection	Percent	89	91	93	94	94	94	95	95	95	95	95
Production, total <sup>1</sup>	Bil. lb.	35.2	36.8	38.6	37.6	39.0	39.0	37.6	39.3	39.3	39.4	39.3
Federally inspected	Percent	89	90	93	94	94	94	95	95	95	95	95
Exports of U.S. production <sup>2</sup>	Mil. lb.	305	446	646	673	642	714	680	682	699	646	807
Imports for consumption	Mil. lb.	2,429	2,248	2,856	2,974	2,864	2,333	2,589	2,670	2,821	3,285	3,317
<b>Beef:</b>												
Animals slaughtered, total	Mil. head	35.4	41.5	40.0	34.0	34.1	35.3	36.2	37.0	37.9	36.6	37.6
Under Federal inspection	Percent	87	88	93	94	94	94	94	94	95	95	95
Production, total	Bil. lb.	21.7	24.0	24.2	21.4	21.6	22.4	22.5	23.2	23.6	23.7	24.4
Federally inspected	Percent	88	90	93	94	94	94	95	95	95	95	95
Exports of U.S. production <sup>2</sup>	Mil. lb.	101	110	214	215	220	252	305	312	378	379	573
Imports for consumption	Mil. lb.	1,782	1,756	2,297	2,405	2,084	1,743	1,938	1,931	1,823	2,088	2,129
<b>Pork:</b>												
Animals slaughtered, total	Mil. head	4.2	5.4	4.3	2.9	2.7	2.9	3.1	3.2	3.4	3.5	3.5
Under Federal inspection	Percent	72	72	87	88	88	88	88	88	90	92	92
Production, total	Mil. lb.	588	873	832	434	400	438	448	454	485	514	524
Federally inspected	Percent	57	57	71	73	74	74	76	76	82	86	87
<b>Lamb and mutton:</b>												
Animals slaughtered, total	Mil. head	10.8	8.1	5.5	5.2	5.7	6.2	6.6	6.8	6.9	6.3	5.8
Under Federal inspection	Percent	93	94	95	95	95	95	94	94	95	95	95
Production, total	Mil. lb.	551	410	309	293	318	338	365	376	380	357	337
Federally inspected	Percent	93	94	94	94	94	94	95	95	95	95	95
<b>Veal:</b>												
Animals slaughtered, total	Mil. head	87.0	88.8	78.4	60.2	67.2	62.5	62.6	68.1	65.8	64.9	60.0
Under Federal inspection	Percent	90	93	98	95	95	95	95	95	95	97	97
Production, total <sup>1</sup>	Bil. lb.	13.4	11.5	13.4	15.5	15.6	15.9	14.2	15.2	14.8	14.8	14.1
Federally inspected	Percent	90	93	98	95	95	95	95	95	95	97	97

<sup>1</sup> Excludes lard. <sup>2</sup> Includes shipments to territories.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Livestock and Meat Statistics*, annual.

## NO. 1112. LIVESTOCK INVENTORY AND PRODUCTION: 1970 TO 1987

[See also *Historical Statistics, Colonial Times to 1970*, series K 584-599 and 575-582.]

TYPE OF LIVESTOCK	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
<b>ALL CATTLE</b>												
Inventory: <sup>1</sup> Number on farms	Mil.	112.4	132.0	110.9	111.2	114.4	115.4	115.0	113.7	109.7	105.5	102.0
Total value	Bil. dol.	20.2	21.0	44.7	55.8	54.1	47.9	48.7	45.0	44.1	41.3	41.5
Value per head	Dol.	179	159	403	502	473	415	408	396	402	391	407
Production: Quantity <sup>2</sup>	Bil. lb.	36.4	40.9	38.8	40.3	41.2	40.7	40.3	40.0	40.2	40.5	(NA)
Beef, price per 100 lb.	Dol.	27.10	32.20	66.10	62.40	58.80	56.70	55.50	57.30	53.70	52.80	(NA)
Calves, price per 100 lb.	Dol.	34.50	27.20	58.70	78.80	64.00	58.80	61.70	69.90	62.10	61.10	(NA)
Value of production	Bil. dol.	10.9	12.6	26.2	25.5	23.7	22.6	22.0	22.1	21.2	20.9	(NA)
<b>HOGS AND PIGS</b>												
Inventory: <sup>1</sup> Number on farms	Mil.	57.0	54.7	60.4	67.3	64.5	58.7	54.5	56.7	54.1	52.3	51.0
Total value	Bil. dol.	2.2	2.5	5.0	3.8	4.8	4.1	4.6	3.3	4.1	3.6	4.7
Value per head	Dol.	39.00	44.90	83.20	56.00	74.70	70.10	89.80	58.80	75.00	69.80	91.80
Production: Quantity <sup>2</sup>	Bil. lb.	21.8	16.8	22.6	23.4	21.8	19.7	21.2	20.2	20.2	19.4	(NA)
Price per 100 lb.	Dol.	22.70	46.10	41.80	38.00	43.90	52.30	46.80	47.10	44.00	49.30	(NA)
Value of production	Bil. dol.	5.0	7.8	9.4	8.9	9.5	10.3	9.9	9.6	8.9	9.5	(NA)
<b>SHEEP AND LAMBS</b>												
Inventory: <sup>1</sup> Number on farms	Mil.	20.4	14.5	12.4	12.7	12.6	13.0	12.1	11.5	10.4	10.0	10.3
Total value	Mil. dol.	513	442	891	993	904	742	826	599	638	673	782
Value per head	Dol.	25.10	30.50	72.10	78.20	69.80	57.10	51.80	52.10	61.10	67.40	75.70
Production: Quantity <sup>2</sup>	Mil. lb.	1,099	785	705	746	772	785	768	664	694	721	(NA)
Sheep, price per 100 lb.	Dol.	7.52	11.30	25.70	21.30	21.20	19.50	15.70	16.40	23.80	25.80	(NA)
Lambs, price per 100 lb.	Dol.	26.40	42.10	66.70	63.80	54.90	53.10	53.90	60.10	67.70	69.00	(NA)
Value of production	Mil. dol.	280	303	407	403	368	366	357	377	428	444	(NA)

<sup>1</sup> Not available. <sup>2</sup> As of Jan. 1. <sup>3</sup> Liveweight production. Adjustment made for changes in inventory and for payments. <sup>4</sup> As of Dec. 1 of preceding year.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition, and Income*, annual; and annual livestock summaries. Also in *Agricultural Statistics*, annual.



## No. 1113. LIVESTOCK ON FARMS—NUMBER, PRODUCTION, AND VALUE, BY STATE: 1966 AND 1967

STATE	ALL CATTLE			MILK COWS			SHEEP AND LAMBS			HORSE AND PIGS		
	Number on farms, <sup>1</sup> 1967 (1,000)	Quantity produced, <sup>2</sup> 1966 (mil. lb.)	Value of production, 1966 (mil. dol.)	Number on farms, <sup>1</sup> 1967 (1,000)	Milk produced on farms, 1966 (mil. lb.)	Value of milk produced, <sup>4</sup> 1966 (mil. dol.)	Number on farms, <sup>1</sup> 1967 (1,000)	Quantity produced, <sup>3</sup> 1966 (mil. lb.)	Value of production, 1966 (mil. dol.)	Number on farms, <sup>1</sup> 1966 (1,000)	Quantity produced, <sup>3</sup> 1966 (mil. lb.)	Value of production, 1966 (mil. dol.)
U.S. <sup>5</sup>	102,031	40,465	20,925	10,547	144,080	18,147	10,338	720.7	443.8	50,996	19,362	9,532
AZ	1,000	552.3	287.3	87	1,386	173.7	283	9.8	3.4	165	58.9	32.7
AR	1,840	578.8	272.7	62	755	104.2	-	-	-	480	200.3	92.2
CA	4,750	1,783.1	836.7	990	17,235	2,069.5	980	74.7	47.0	150	60.4	31.5
CO	2,600	1,750.9	1,000.2	78	1,188	163.3	690	49.5	30.7	180	73.5	37.8
FL	2,140	548.4	286.4	178	2,153	348.8	-	-	-	140	50.0	23.0
GA	1,650	436.4	194.3	100	1,290	175.1	-	-	-	1,100	378.8	195.4
ID	1,550	775.9	388.9	162	2,384	280.1	314	29.8	18.0	80	29.5	14.2
IL	2,250	842.1	475.8	215	2,801	350.1	118	9.7	5.7	5,000	2,017.2	981.2
IN	1,470	427.5	209.7	201	2,456	307.0	91	7.0	4.0	4,150	1,553.5	764.9
IA	4,650	2,136.7	1,148.2	308	3,879	485.5	375	39.1	21.7	12,800	5,122.2	2,514.0
KS	5,920	2,964.6	1,684.4	112	1,301	166.5	236	19.5	12.8	1,450	609.2	287.9
KY	2,450	752.5	382.2	223	2,327	293.2	32	2.1	1.2	880	315.6	161.6
MI	1,325	466.1	208.7	370	5,404	662.4	108	8.7	5.2	1,250	417.2	202.1
MN	3,150	1,439.1	708.4	856	10,614	1,257.8	237	21.0	13.3	4,200	1,479.2	752.8
MO	4,600	1,370.0	723.2	217	2,930	360.4	110	8.0	5.2	2,900	1,098.8	550.4
MT	2,400	904.0	468.4	24	937	43.1	523	36.8	22.2	190	66.1	27.3
NE	5,500	3,318.2	1,884.7	103	1,350	166.1	173	13.1	8.3	3,600	1,381.6	688.1
NM	1,360	616.4	308.2	61	1,092	142.5	480	20.7	13.4	36	12.9	6.5
NY	1,865	313.5	126.1	914	11,744	1,486.6	64	3.6	2.2	128	32.7	15.5
NC	960	319.4	142.3	114	1,695	237.3	13	7	3	2,380	678.0	432.5
ND	1,900	752.6	400.4	92	1,074	121.4	185	15.5	9.9	275	96.4	47.4
OH	1,800	611.4	309.1	370	4,936	619.8	300	20.0	12.7	1,850	707.3	344.3
OK	5,200	2,256.2	1,148.1	107	1,190	157.1	105	7.7	4.7	220	62.0	40.9
OR	1,400	540.7	253.9	82	1,471	187.6	415	27.3	17.0	115	51.1	26.0
PA	1,950	594.4	281.5	735	10,152	1,332.6	104	6.2	3.7	890	236.5	120.0
SD	3,600	1,486.7	804.3	149	1,723	199.9	805	52.2	35.7	1,520	630.7	311.7
TN	2,400	764.2	337.2	203	2,221	292.2	13	5	3	770	340.4	158.9
TX	13,400	5,554.0	2,978.5	325	4,088	500.4	1,830	115.0	66.6	610	178.7	83.1
UT	770	283.4	153.8	74	1,155	139.9	484	37.0	22.7	25	6.9	3.2
VA	1,860	667.2	324.2	150	2,066	272.5	168	14.4	8.8	380	167.9	81.5
WA	1,300	553.3	294.3	201	3,782	489.0	58	5.9	3.4	50	15.1	7.2
WI	4,280	1,278.8	626.6	1,940	25,200	3,065.0	83	6.5	4.3	1,330	517.6	253.8
WY	1,325	458.4	245.0	10	131	15.7	775	47.3	26.1	35	14.5	7.2

- Represents zero. <sup>1</sup> As of January 1. <sup>2</sup> Liveweight production. Adjustment made for changes in inventory and for shipments. <sup>3</sup> Represents cows and heifers that have calved, kept for milk. <sup>4</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. Includes value of milk fed to calves. <sup>5</sup> As of December 1. <sup>6</sup> Includes other States, not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition and Income, annual and Milk Production, Disposition, and Income, annual*.

## No. 1114. POULTRY—PRODUCTION, BY STATE: 1966 AND 1967

[In millions. See *Historical Statistics, Colonial Times to 1970*, series K 614 and 621 for U.S. totals]

STATE	CHICKENS SOLD		BROILERS PRODUCED		TURKEYS RAISED		STATE	CHICKENS SOLD		BROILERS PRODUCED		TURKEYS RAISED	
	1966	1967	1966	1967	1966	1967		1966	1967	1966	1967	1966	1967
U.S.	220	217	4,479	4,846	185	207	MI	5.5	5.3	1.3	.6	2.3	2.7
AL	9.0	10.0	561.8	587.6	(Z)	(Z)	MN	7.5	7.7	28.8	29.7	30.4	34.2
AR	17.3	18.0	760.0	788.8	16.0	16.5	MS	7.4	7.8	328.7	335.7	(Z)	(Z)
CA	19.0	19.7	174.3	184.8	20.5	21.9	MO	5.0	4.0	(D)	(D)	12.5	13.5
CT	3.8	3.1	(Z)	(Z)	(Z)	(Z)	NY	6.8	5.6	1.8	2.0	.3	.3
DE	.8	.8	196.4	196.6	(Z)	(Z)	NC	11.7	11.8	447.3	450.5	31.9	30.1
FL	9.3	5.2	104.2	111.9	(Z)	(Z)	OH	11.0	11.9	9.0	9.9	2.8	3.1
GA	17.5	16.5	667.2	697.4	2.6	2.4	OK	3.4	3.1	61.7	78.5	(D)	(D)
IL	3.2	2.0	(Z)	(Z)	.3	.3	OR	1.8	1.5	14.4	15.8	1.3	1.5
IN	18.3	16.8	(D)	(D)	8.9	9.4	PA	13.2	16.5	94.7	101.9	7.1	7.8
IA	5.0	4.5	2.0	2.7	6.3	7.0	SC	4.0	4.5	60.4	63.8	2.9	3.9
KY	1.3	1.3	3.2	3.0	(Z)	(Z)	TN	2.7	1.9	(D)	(D)	(Z)	(Z)
LA	1.3	1.2	(D)	(D)	(Z)	(Z)	TX	9.3	10.3	215.9	238.6	(D)	(D)
ME	5.1	4.6	(D)	(D)	(Z)	(Z)	VA	2.0	2.6	154.1	154.2	13.1	14.3
MD	2.4	2.6	272.4	263.9	1	(D)	WA	3.0	3.4	23.0	25.1	(Z)	(Z)
MA	1.1	1.2	(Z)	(Z)	1	1	WV	.5	.4	25.7	29.0	2.4	2.2
							WI	1.9	2.2	11.2	11.6	6.2	6.1
							Other <sup>3</sup>	11.6	11.1	261.1	263.5	19.4	20.9

D Withheld to avoid disclosure. Z Less than 500,000 broilers or 50,000 turkeys. <sup>1</sup> Derived by subtracting printed estimates from U.S. total.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Layers and Egg Production—Annual; Poultry—Production, Disposition, and Income; and Turkeys*.

## NO. 1115. POULTRY—NUMBER ON FARMS, VALUE, PRODUCTION, AND PRICES: 1970 TO 1986

[For year ending November 30 except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 609-623]

ITEM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Chickens: <sup>1</sup> Number <sup>2</sup>	Million	433	380	397	401	392	385	379	385	374	369	369
Value per head <sup>3</sup>	Dollars	1.21	1.74	1.75	1.81	1.88	1.89	1.85	1.86	2.02	1.90	1.87
Value, total <sup>4</sup>	Mill. dol	525	660	696	726	737	728	703	717	754	700	680
Number produced <sup>5</sup>	Million	284	233	242	251	241	242	246	232	242	220	217
Price per lb <sup>6</sup>	Cents	9.1	9.9	12.4	13.9	11.0	11.1	10.3	12.7	15.9	14.8	12.5
Production value <sup>7</sup>	Mill. dol	107	105	142	171	129	135	121	145	181	152	128
Eggs: Number produced	Mill. doz	5,884	5,386	5,596	5,787	5,807	5,819	5,810	5,881	5,688	5,701	5,710
Price per dozen	Cents	39.1	52.4	52.2	58.3	58.3	63.1	59.5	61.1	72.3	57.1	61.6
Production value	Mill. dol	2,221	2,819	2,921	3,360	3,268	3,671	3,459	3,469	4,110	3,253	3,515
Broilers: <sup>4</sup> Number produced	Million	2,987	2,950	3,614	3,951	3,963	4,148	4,149	4,184	4,282	4,479	4,548
Price per lb	Cents	13.8	28.3	28.3	26.0	27.7	28.4	28.9	28.8	33.7	30.1	34.5
Production value	Mill. dol	1,475	2,915	3,676	4,032	4,303	4,899	4,502	4,873	6,018	5,880	6,780
Turkeys, number raised	Million	118	124	139	156	165	171	185	171	171	185	207
Price per lb	Cents	22.8	34.8	43.8	41.1	41.5	38.2	39.5	38.0	48.9	49.1	47.1
Gross income	Mill. dol	498	793	1,157	1,214	1,272	1,248	1,255	1,299	1,655	1,619	1,852

<sup>1</sup> Excludes commercial broilers. <sup>2</sup> As of Dec. 1. <sup>3</sup> Beginning 1986, represents number sold and value of sales. <sup>4</sup> Young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 lbs. live weight and from which no pullets are kept for egg production. Not included in production of chickens.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Hatchery Production—Annual; Layers and Egg Production—Annual; Poultry—Production, Disposition, and Income; and Turkeys*.

## NO. 1116. DAIRYING—COWS AND DAIRY PRODUCTS: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 595-606]

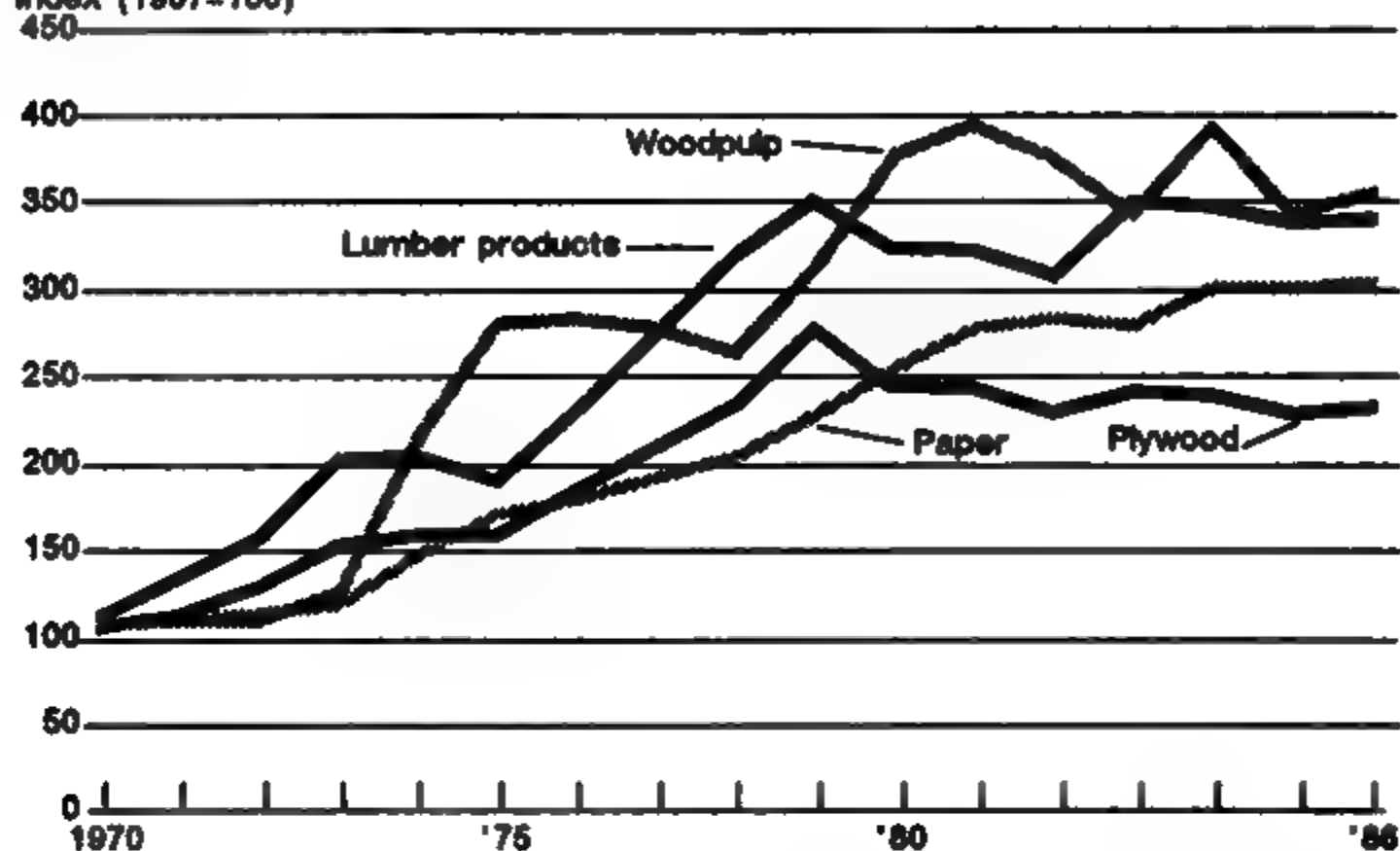
ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
cows and heifers that have calved, kept for milk, Jan. 1 <sup>1</sup>	Mill. head	13.3	11.1	10.8	10.6	11.0	11.0	11.1	10.8	11.2
Milk produced on farms	Bill. lb.	117	115	126	133	136	140	135	143	144
Production per cow	1,000 lb.	9.8	10.4	11.8	12.2	12.3	12.6	12.8	13.0	13.3
Whole milk sold from farms <sup>2</sup>	Bill. lb.	113	112	126	130	133	137	133	141	142
Sales to plants and dealers	Bill. lb.	110	110	125	129	132	136	131	139	140
Use of milk produced	Bill. dollars	8.8	10.2	15.9	18.4	18.8	19.1	18.3	18.4	18.1
Gross farm income, dairy products	Bill. dollars	6.7	10.1	16.7	18.2	18.3	18.9	18.1	18.2	17.9
Cash receipts from marketing of milk and cream <sup>3</sup>	Bill. dollars	6.5	9.9	16.6	18.1	18.2	18.8	17.9	18.1	17.6
Sales to plants and dealers	Bill. dollars	6.3	9.7	16.3	17.8	17.9	18.5	17.7	17.8	17.6
Manufactured dairy products:										
Butter (incl. whey butter)	Mill. lb.	1,137	984	1,145	1,228	1,257	1,299	1,103	1,248	1,202
Cheese, total <sup>4</sup>	Mill. lb.	2,201	2,811	3,984	4,278	4,542	4,819	4,674	5,081	5,209
American (excl. full-skim American)	Mill. lb.	1,428	1,680	2,376	2,642	2,752	2,928	2,848	2,865	2,798
Swiss (including block)	Mill. lb.	144	174	219	214	221	209	208	223	227
Muenster, Brick, and Limburger <sup>5</sup>	Mill. lb.	59	74	87	82	87	85	83	103	109
Cream and Neuchâtel	Mill. lb.	126	180	229	241	263	270	278	294	322
All Italian varieties	Mill. lb.	394	572	983	994	1,068	1,200	1,319	1,491	1,633
Cottage cheese Creamed <sup>6</sup>	Mill. lb.	1,038	991	825	773	749	743	736	718	705
Curd, pot, and bakers	Mill. lb.	726	701	667	649	629	618	606	599	600
Condensed bulk milk	Mill. lb.	1,237	1,041	952	972	975	984	1,158	1,232	1,382
Evaporated and condensed canned milk	Mill. lb.	1,293	938	725	758	754	710	668	656	602
Whole milk	Mill. lb.	69	63	63	93	102	111	120	119	122
Animal dry milk solids <sup>7</sup>	Mill. lb.	1,456	1,009	1,188	1,322	1,410	1,510	1,168	1,398	1,294
Whey <sup>8</sup>	Mill. lb.	821	586	680	779	791	892	898	987	1,031
Buttermilk	Mill. lb.	60	43	44	44	39	46	43	52	66
Cream of all kinds	Mill. gal	782	837	830	832	852	882	894	901	924
Milk sherbet	Mill. gal	49	49	45	46	46	48	47	48	50
Ice milk	Mill. gal	287	299	293	291	281	295	300	301	315
Wholesale prices, American cheese										
1-lb. blocks, Wm. assembly points	Cents per lb.	55.0	88.6	133.0	139.4	138.3	138.3	138.0	127.7	127.3
1-gal. daisies, Chicago	Cents per lb.	64.9	104.4	158.2	167.2	168.4	168.2	170.4	180.1	157.5
As received by farmers, whole milk										
Wholesale per 100 lb.	Dollars	5.71	8.75	13.05	13.77	13.81	13.58	13.46	12.75	12.51
Sold directly to consumers	Cents per qt.	27.0	35.4	45.3	48.3	48.1	48.4	49.2	48.7	48.4

or 1970, cows and heifers 2 years old and over. <sup>2</sup> Comprises sales to plants and dealers, and retail sales by farmers to consumers. <sup>3</sup> Includes varieties not shown separately. Beginning 1975, includes full-skim. <sup>4</sup> Beginning 1986, does not include Limburger. <sup>5</sup> Includes partially creamed (low fat). <sup>6</sup> Includes dry skim milk for animal feed. <sup>7</sup> Includes animal but does not include whey production.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Production of Manufactured Dairy Products, annual; and Production, Disposition, and Income, annual*.

**Figure 24.1**  
**Selected Timber Products- Producer Price**  
**Indexes: 1970 to 1986**

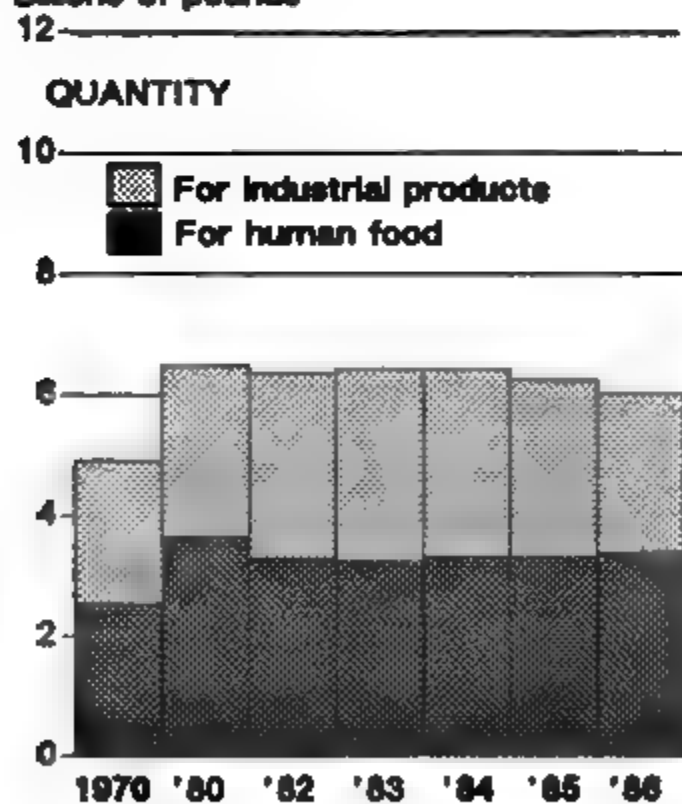
Index (1967=100)



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1124.

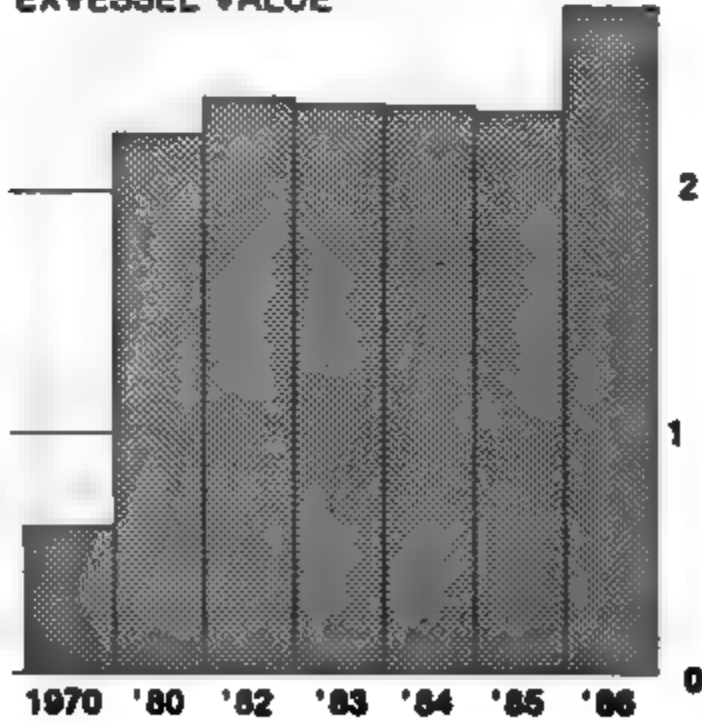
**Figure 24.2**  
**Fisheries-Quantity and Value of Domestic**  
**Catch: 1970 to 1986**

Billions of pounds



Billions of dollars

EXVESSEL VALUE



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1136.



## Section 24

# Forests and Fisheries

This section presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, and similar data. In addition, data are presented on commercial fishing and the fish processing industry.

The principal sources of data relating to forests and forest products are: *An Analysis of the Timber Situation in the United States, 1952-2030, Appendix 3; U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-88*; and *Land Areas of the National Forest System*, issued annually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the annual *Current Industrial Reports*, issued by the Bureau of the Census. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* of the American Paper Institute, New York, NY.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. Data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. Estimates of fire damage or losses of fires for Federal lands are considered much better than those for private lands. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

The principal sources of data relating to fisheries are *Fishery Statistics of the United States*, and *Statistics of the United States*, both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezing and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Primary data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include quantity and value of commercial landings of fish and shellfish (by species, region, sex, and type of fishing gear), disposition of landings, number of fishermen, and number and size of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output of canned, packaged, and industrial products and, for the wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State.

The Magnuson Fishery Conservation and Management Act of 1976 (Magnuson Act), Public Law 94-265 as amended, provides for the conservation and management of all fishery resources within the U.S. Exclusive Economic Zone (EEZ), except highly migratory species of tuna, and gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the EEZ. Within the EEZ, the allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fishery Statistics of the United States, 1985*. The NMFS collects and disseminates data on catches by foreign fishing vessels in the EEZ.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs also can be found in *State and Metropolitan Area Data Book 1980*. For cross-references, see Appendix V.

## NO. 1117. NATIONAL FOREST LANDS AND PURCHASES: 1960 TO 1966

[Area as of June 30 except, beginning 1966, as of Sept. 30; purchases for years ending June 30, except as noted. Includes Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the National Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Act, all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970*, series L 10-14]

ITEM	Unit	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
Gross area <sup>1</sup>	Mil. acres	227	226	226	226	226	230	230	230	230	230
National Forest System	Mil. acres	186	187	187	188	187	191	191	191	191	191
Approved for purchase	1,000 acres	6	29	42	12	42	2	7	8	15	23
Average price per acre	Dollars	15	47	125	275	664	675	332	544	431	308
Total price	Mil. dol	1	1.3	11.5	3.3	27.9	1.5	2.4	4.2	6.8	7.0
Purchases completed	1,000 acres	6	33	113	34	27	13	31	36	7	33
Average price per acre	Dollars	31	39	96	267	617	409	330	407	453	295
Total price	Mil. dol	2	1.3	10.9	9.1	17.1	5.2	10.0	14.0	4.2	9.8
Gross area of purchase units	Mil. acres	56	56	56	56	56	56	56	56	56	56
Purchases completed, net area <sup>2</sup>	Mil. acres	19	19	20	20	20	20	20	20	20	20
Average price per acre	Dollars	4	4	6	9	12	14	16	15	15	15
Total price	Mil. dol	75	79	125	170	250	264	264	268	302	302

<sup>1</sup> Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national greenlands, and land utilization projects (research and experimental areas, and other areas). <sup>2</sup> Cumulative total. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976*; and U.S. Forest Service, *Land Areas of the National Forest System*, annual, and unpublished data.

## NO. 1118. NATIONAL FOREST SYSTEM—SUMMARY: 1960 TO 1966

[For fiscal years ending in year shown; see text, section 9. Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	Unit	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
Timber cut, total value	Mil. dol	157.1	306.6	366.4	736.6	729.9	348.7	655.9	783.9	724.5	788.9
Commercial and cost sales <sup>1</sup>											
Volume	Mil. bd. ft.	9,367	11,527	9,174	8,178	8,036	6,747	9,244	10,549	10,941	11,788
Value	Mil. dol	188.4	307.6	366.0	729.8	720.9	339.2	649.7	769.6	720.6	788.8
Free use:											
Volume	Mil. bd. ft.	123	179	618	2,070	2,107	2,343	1,071	570	369	308
Value <sup>2</sup>	Mil. dol	2	3	1.1	5.7	6.4	7.5	4.5	2.6	2.2	1.4
Misc. forest products:											
Value	Mil. dol	5	7	1.4	1.1	1.6	2.0	1.7	1.7	1.7	1.6
Livestock grazing: <sup>3</sup>											
Cattle and horses <sup>4</sup>	1,000	1,307	1,807	1,886	1,521	1,535	1,562	1,809	1,521	1,565	1,491
Sheep and goats	1,000	2,574	2,105	1,549	1,328	1,341	1,340	1,242	1,129	1,183	1,188
Roads and trails:											
Road construction <sup>5</sup>	Miles	851	942	136	925	1,217	1,867	2,016	1,867	1,903	1,252
Trail construction <sup>6</sup>	Miles	142	278	298	2,419	727	782	999	674	967	1,082
Receipts, total	Mil. dol	148.2	296.7	372.1	702.9	680.7	380.2	495.3	637.3	636.9	631.7
Timber use	Mil. dol	140.1	283.8	341.3	625.4	581.4	251.0	398.5	544.3	514.6	745.1
Grazing use	Mil. dol	4.5	4.4	7.7	15.8	14.9	12.4	10.2	9.6	9.0	8.8
Special land use, etc.	Mil. dol	3.6	11.4	24.1	61.6	84.4	86.8	86.6	83.5	112.3	78.8
Payments to local govt. <sup>7</sup>	Mil. dol	36.1	72.8	81.0	240.1	243.0	144.3	203.5	235.3	229.0	270.8
25-percent fund <sup>8</sup>	Mil. dol	35.4	71.8	80.8	233.5	230.5	132.6	192.7	224.9	212.2	262.1
Other <sup>9</sup>	Mil. dol	7	.8	1.2	6.5	12.5	11.7	10.8	10.4	16.8	6.8
Allotments to Forest Service, total <sup>10</sup>	Mil. dol	14.9	29.5	38.5	73.1	68.2	35.2	48.0	62.3	60.0	82.1
Roads and trails	Mil. dol	14.2	28.8	35.9	65.5	60.9	28.4	44.5	58.0	55.5	78.0
Other	Mil. dol	7	.8	3.6	7.6	7.3	6.8	4.5	4.3	4.5	4.1

<sup>1</sup> Includes land exchanges. <sup>2</sup> Includes some free use timber not reducible to board feet. <sup>3</sup> For 1980-1970, data for livestock permitted to graze; 1975 for authorized use; 1980-1986 for number actually grazed. Calendar-year data. Excludes Puerto Rico. <sup>4</sup> Excludes animals under 6 months of age. 1980-1970 includes swine. Includes burros beginning in 1980. <sup>5</sup> Includes reconstruction. 1980 excludes national greenlands. <sup>6</sup> Beginning 1980, includes work accomplished by Human Resource Programs and volunteers. <sup>7</sup> Payments made in following year. <sup>8</sup> Includes Tongass Alaska suspense account. <sup>9</sup> Includes Arizona and New Mexico School Fund, State of Minnesota, and receipts paid to counties under Bankhead-Jones Farm Tenant Act. <sup>10</sup> For use in following year.

Source: U.S. Forest Service. In *Agricultural Statistics*, annual, and unpublished data.

B. FOREST LAND—TOTAL AND COMMERCIAL AREA, VOLUME OF SAWTIMBER, AND GROWING STOCK: 1952 TO 1977

[As of Jan. 1. For composition of regions, see source]

I AND REGION	Total forest land (mil. acres)	COMMERCIAL TIMBERLAND, OWNERSHIP <sup>1</sup>					SAWTIMBER NET VOLUME <sup>2</sup>			Grow- ing stock, net vol- ume <sup>4</sup> (bil. cu. ft.)
		All owner- ships (mil. acres)	Federal- ly owned or man- aged <sup>3</sup> (mil. acres)	State, county, and munic- ipal (mil. acres)	Private		Total (bil. bd. ft.)	Soft- wood (bil. bd. ft.)	Hard- wood (bil. bd. ft.)	
					Total (mil. acres)	Per- cent of total				
States, 1962.....	984	499	117	27	356	71.3	2,512	2,086	446	603
.....	209	189	13	18	137	81.1	249	59	190	111
.....	197	192	14	3	175	91.1	409	197	213	136
.....	258	136	89	6	43	31.2	1,854	1,811	44	356
States, 1962.....	798	603	117	27	356	71.9	2,516	2,033	484	648
.....	178	171	12	18	140	81.9	262	70	212	137
.....	220	200	14	3	183	91.5	465	246	219	156
.....	350	139	90	6	42	30.2	1,769	1,717	52	354
States, 1970.....	754	499	112	30	356	71.6	2,536	2,002	537	680
.....	186	189	12	18	136	81.7	320	83	237	156
.....	212	193	14	3	175	90.7	535	298	239	177
.....	355	135	85	8	42	31.1	1,684	1,623	61	348
States, 1977.....	737	482	106	30	347	72.0	2,579	1,986	594	711
.....	178	168	12	19	136	81.9	359	97	263	173
.....	207	188	14	3	170	90.4	615	341	274	202
.....	352	128	79	8	41	32.0	1,605	1,548	57	336

cial timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn utilization by statute or administrative regulation. Areas qualifying as commercial timberland have the capability of excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable included. <sup>2</sup> Includes Indian lands. <sup>3</sup> Net volume of the sawlog portion of live sawtimber trees in board feet, 1/4-inch log rule. <sup>4</sup> Net volume in cubic feet of live sawtimber and poletimber trees from stump to a minimum 4-central stem) outside bark or to the point where the central stem breaks into limbs.

S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952-2030*, Appendix 3.

NO. 1120. NATIONAL FOREST LANDS—STATES AND OTHER AREAS: 1986

n thousands of acres. As of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 10-11]

E	Gross area within unit bound-aries <sup>1</sup>	National forest system lands	Other lands within unit boundaries	STATE	Gross area within unit bound-aries <sup>1</sup>	National forest system lands	Other lands within unit boundaries
.....	230,007	190,832	39,175	NE.....	442	352	90
.....	1,274	847	627	NV.....	5,426	5,162	264
.....	24,018	22,811	1,207	NH.....	819	706	114
.....	11,934	11,274	659	NM.....	10,384	9,326	1,058
.....	3,502	2,483	1,019	NY.....	13	13	-
.....	24,324	20,503	3,821	NC.....	3,165	1,219	1,947
.....	16,030	14,446	1,584	ND.....	1,106	1,106	(Z)
.....	(Z)	(Z)	-	OH.....	833	179	654
.....	1,224	1,100	125	OK.....	461	298	166
.....	1,855	887	959	OR.....	17,461	15,614	1,866
.....	(Z)	(Z)	-	PA.....	743	511	232
.....	21,706	20,444	1,262	SC.....	1,382	611	770
.....	840	263	576	SD.....	2,347	1,997	350
.....	644	188	456	TN.....	1,212	626	586
.....	117	106	9	TX.....	1,994	752	1,243
.....	2,102	881	1,421	UT.....	9,130	8,043	1,086
.....	1,023	600	423	VT.....	630	325	304
.....	94	51	42	VA.....	3,226	1,637	1,586
.....	4,873	2,786	2,107	WA.....	10,045	9,137	908
.....	5,467	2,805	2,662	WV.....	1,661	978	683
.....	2,310	1,147	1,183	WI.....	2,023	1,507	516
.....	3,082	1,471	1,610	WY.....	9,717	9,255	462
.....	19,093	16,796	2,295	PR.....	56	28	28
.....				VI.....	(Z)	(Z)	-

ents zero. Z Less than 500 acres. <sup>1</sup> See footnote 1, table 1117.

S. Forest Service, *Land Areas of the National Forest System*, annual.



### NO. 1121. TIMBER-BASED INDUSTRIES—EMPLOYMENT AND AVERAGE HOURLY EARNINGS: 1970 TO 1986

[Data for production workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

SIC <sup>1</sup> CODE	ITEM	EMPLOYEES (1,000)						EARNINGS (dollars)					
		1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
24	Lumber and wood products <sup>2</sup>	554	517	578	560	584	597	2.86	4.28	6.55	8.03	8.22	8.33
241	Logging camps and contractors	(NA)	58	71	68	87	70	(NA)	5.28	8.84	10.70	10.92	10.84
242	Sawmills and planing mills	198	180	180	180	172	172	2.84	4.34	6.70	8.42	8.52	8.56
243	Millwork, plywood, and structural members	(NA)	137	184	185	180	203	(NA)	4.28	6.41	7.81	8.06	8.20
26	Paper and allied products	543	480	523	512	512	511	3.44	5.01	7.84	10.41	10.83	11.18
25	Furniture and fixtures	362	337	378	360	384	397	2.77	3.78	5.49	6.84	7.17	7.48

NA Not available. <sup>1</sup> Standard Industrial Classification; see text, section 27. <sup>2</sup> Excludes other industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly

### NO. 1122. TIMBER PRODUCTS—PRODUCTION, FOREIGN TRADE, AND CONSUMPTION, BY TYPE OF PRODUCT: 1980 TO 1985

[In millions of cubic feet, roundwood equivalent. See also *Historical Statistics, Colonial Times to 1970*, series L 72-85]

ITEM	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970, prel.
<b>Industrial roundwood:</b>											
Domestic production <sup>1</sup>	8,920	11,105	10,578	12,955	12,080	11,080	10,825	12,010	12,886	12,420	
Softwoods	8,830	8,835	8,380	10,135	9,280	8,485	8,410	9,275	9,780	9,835	
Hardwoods	1,086	2,470	2,188	2,815	2,810	2,605	2,410	2,735	2,886	2,780	
Imports	1,880	2,430	2,215	3,655	3,250	3,165	3,016	3,710	4,185	4,325	
Exports	456	1,540	1,688	2,135	2,350	2,080	1,985	2,110	2,080	2,085	
Consumption <sup>2</sup>	10,145	11,895	11,105	14,470	12,985	12,180	11,840	13,610	14,790	14,880	
Softwoods	8,085	9,425	8,975	11,805	10,335	9,655	9,540	10,680	11,965	11,830	
Hardwoods	2,060	2,565	2,230	2,665	2,650	2,510	2,300	2,850	2,825	2,780	
<b>Lumber</b>											
Domestic production	5,080	6,215	4,880	6,115	5,300	4,780	4,538	5,370	5,770	5,849	
Imports	610	855	930	1,600	1,540	1,480	1,480	1,815	2,130	2,345	
Exports	135	195	255	340	385	380	320	360	340	305	
Consumption	5,560	5,870	5,865	7,580	7,125	5,865	5,780	6,925	7,580	7,889	
<b>Plywood and veneer:</b>											
Domestic production	705	1,020	1,168	1,370	1,175	1,105	1,135	1,365	1,405	1,410	
Imports	80	170	170	195	120	140	115	180	145	165	
Exports	(2)	15	70	45	88	70	60	65	45	49	
Consumption	785	1,170	1,268	1,520	1,250	1,225	1,200	1,480	1,500	1,524	
<b>Pulp products:</b>											
Domestic production	2,575	3,835	3,485	4,110	4,300	4,125	3,980	4,165	4,365	4,165	
Imports	985	1,280	1,105	1,635	1,585	1,515	1,415	1,805	1,980	1,810	
Exports	275	720	715	805	1,070	985	900	985	930	829	
Consumption	3,290	4,400	3,875	4,935	4,885	4,645	4,495	4,905	5,290	5,085	
<b>Logs:</b>											
Imports	20	25	15	25	25	20	20	30	30	20	
Exports	45	485	455	670	580	425	530	585	600	655	
Pulpwood chips, exports	-	145	185	280	275	220	175	185	145	145	
Other industrial prod. <sup>3</sup> consumption	510	425	385	410	380	350	345	380	410	480	
<b>Fuelwood consumption</b>	1,300	840	670	2,270	3,180	3,225	3,488	3,425	3,836	(NA)	

- Represents zero. NA Not available. Z Less than 500,000 cubic feet. <sup>1</sup> Includes log exports. <sup>2</sup> Includes log imports. <sup>3</sup> Excludes Alaska and Hawaii. <sup>4</sup> Includes coopersage logs, poles and piling, fence posts, hewn ties, round mill timbers, box bolts, etc.

### NO. 1123. TIMBER PRODUCTS—PER CAPITA CONSUMPTION: 1960 TO 1985

[Based on total population estimated as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985, prel.
All products	Cu. ft.	63.3	81.1	84.1	74.4	71.0	68.8	65.9	72.6	77.7	(NA)
Industrial roundwood	Cu. ft.	58.1	58.5	51.4	64.3	57.0	52.8	50.9	58.0	62.4	61.4
Lumber	Cu. ft.	30.8	28.1	25.8	33.7	28.3	25.6	24.0	29.5	31.8	32.1
Plywood and veneer	Cu. ft.	4.2	5.7	5.9	6.8	5.5	5.4	5.2	6.2	6.3	6.4
Pulp products	Cu. ft.	18.2	21.4	17.9	21.9	21.4	20.2	19.3	20.5	22.9	21.1
Other products	Cu. ft.	2.8	2.1	1.8	1.8	1.7	1.8	1.5	1.7	1.7	1.7
Fuelwood	Cu. ft.	7.2	2.6	2.6	10.1	14.0	14.0	15.0	14.6	15.3	(NA)
Lumber	Bd. ft.	198	183	171	222	186	188	181	180	205	208
Plywood and veneer	Bd. ft.	25	34	32	37	30	28	26	34	34	35
Pulp products	Cords (128 cu. ft.)	.2	.3	.2	.3	.3	.3	.2	.3	.3	.3

NA Not available.

Source of tables 1122 and 1123: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1980-85*, annual.

## No. 1124. SELECTED TIMBER PRODUCTS—PRODUCER PRICE INDEXES: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series L 208-210]

INDEX AND PRODUCT	1976	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>1967 = 100</b>												
wood lumber <sup>1</sup>	113	201	287	348	380	345	343	322	370	354	345	348
spruce fir	108	212	281	340	384	353	312	288	382	328	337	332
western pine	115	175	283	305	324	297	292	286	320	320	301	300
wood lumber <sup>2</sup>	115	180	200	236	280	252	255	282	284	320	307	310
soft <sup>3</sup>	108	181	212	236	251	247	246	232	244	242	231	235
hard	114	201	288	326	323	309	307	282	310	304	303	309
thick	103	120	128	140	189	177	180	181	180	180	183	185
thin board	111	144	178	203	199	208	242	251	283	270	(NA)	(NA)
pulp	110	283	281	287	315	380	387	379	347	387	347	358
soft	111	173	184	206	230	257	280	286	282	303	303	308
hard	101	170	178	180	202	235	258	255	251	282	275	272
innerboard	88	172	172	173	198	231	253	248	(NA)	(NA)	(NA)	(NA)
board and particleboard	93	114	141	170	188	181	213	220	229	238	233	236
<b>Dec. 1980 = 100</b>												
wood lumber												
soft, #1, common	43	80	91	113	120	103	(NA)	115	143	157	140	146
#2, common	50	83	84	111	117	108	(NA)	(NA)	105	122	117	110
#3, common	62	71	81	97	102	89	104	(NA)	(NA)	104	102	109
soft, ponderosa pine, #3 boards	23	42	68	77	93	84	88	73	75	81	89	74

Not available. <sup>1</sup> Includes lumber listed below and other softwoods or hardwoods. <sup>2</sup> Includes softwood plywood.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, annual.

## O. 1125. SELECTED SPECIES—STUMPAGE AND LOG PRICES IN CURRENT AND CONSTANT (1967) DOLLARS: 1970 TO 1986

dollars per 1,000 board feet. Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199-209]

SPECIES	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>CURRENT DOLLARS</b>													
logs:													
spruce fir <sup>1</sup>	41.80	188.50	250.30	394.40	432.20	350.20	118.20	181.80	132.90	128.20	160.70	103.80	103.80
western pine <sup>2</sup>	44.10	57.00	134.50	155.20	155.40	172.00	127.20	140.80	139.40	90.70	103.80	103.80	103.80
fir pine <sup>3</sup>	38.50	89.20	159.80	385.00	686.80	225.20	71.90	137.70	84.30	109.70	189.80	189.80	189.80
ponderosa pine <sup>4</sup>	32.10	71.20	184.70	239.00	208.10	195.20	88.90	104.00	122.70	101.40	158.80	158.80	158.80
stem hemlock <sup>5</sup>	20.50	68.80	113.80	200.80	212.70	183.40	44.50	82.20	61.80	50.50	74.70	74.70	74.70
woods:													
soft													
western hardwoods	28.90	33.90	41.10	48.80	52.40	50.80	56.40	80.10	90.10	85.40	88.90	88.90	88.90
white, red, and black	26.80	28.70	58.20	68.80	65.80	83.20	70.80	87.80	145.00	94.50	108.10	108.10	108.10
other	34.40	39.80	57.40	33.90	37.40	41.50	34.30	25.00	46.80	56.20	68.90	68.90	68.90
fir log prices: <sup>7</sup>													
fir logs <sup>8</sup>	89.30	188.70	284.80	382.20	379.80	331.40	308.80	277.30	268.80	236.30	(NA)	(NA)	(NA)
fir logs <sup>9</sup>	136.80	274.40	448.40	571.30	584.40	583.80	460.90	427.50	414.00	384.50	(NA)	(NA)	(NA)
<b>NETANT (1967) DOLLARS<sup>10</sup></b>													
logs:													
spruce fir <sup>1</sup>	38.00	95.90	119.80	187.40	180.80	119.40	39.50	53.30	42.80	40.90	53.80	53.80	53.80
western pine <sup>2</sup>	39.80	32.80	64.30	85.90	57.80	58.80	42.80	48.40	44.90	29.40	34.80	34.80	34.80
fir pine <sup>3</sup>	34.90	56.70	78.30	154.90	246.00	76.80	24.00	48.40	27.20	35.80	58.80	58.80	58.80
ponderosa pine <sup>4</sup>	29.10	40.70	78.70	101.40	78.70	86.50	22.40	34.30	38.80	32.80	52.20	52.20	52.20
stem hemlock <sup>5</sup>	18.80	39.30	54.30	85.20	79.10	55.70	14.90	20.50	19.90	18.40	24.90	24.90	24.90
woods:													
soft													
western hardwoods	24.40	19.40	19.80	19.80	19.50	17.30	18.80	19.80	29.00	21.20	23.30	23.30	23.30
white, red, and black	24.10	17.00	28.30	28.20	24.40	21.50	23.70	29.00	46.70	30.80	38.10	38.10	38.10
other	31.20	22.80	27.40	14.40	13.80	14.10	11.50	8.20	15.70	18.20	23.00	23.00	23.00
fir log prices: <sup>7</sup>													
logs <sup>8</sup>	80.90	95.80	136.00	182.20	141.30	113.00	103.20	81.50	83.00	77.80	(NA)	(NA)	(NA)
logs <sup>9</sup>	123.70	158.90	213.30	242.50	217.40	192.20	154.00	141.00	133.40	118.00	(NA)	(NA)	(NA)

Western Washington and western Oregon. <sup>1</sup> Southern region. <sup>2</sup> Pacific Southwest region (formerly California region). <sup>3</sup> Pacific Northwest region (formerly California region). Includes Jeffrey pine. <sup>4</sup> Pacific Northwest region. <sup>5</sup> Eastern and southern regions. <sup>6</sup> (Scribner log scale.) Prices are for western Washington and northwest Oregon and represent average prices which may take place at a variety of points in the distribution process, e.g., at a river dump, reloading or truck scaling or on delivery to a mill. <sup>7</sup> Includes mixed grades, ungraded, and, beginning 1975 grade 4 logs. <sup>8</sup> Includes special fir or special mill grade. <sup>9</sup> Deleted by the producer price index, all commodities.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1980-85*, annual.

## NO. 1126. LUMBER PRODUCTION AND CONSUMPTION, BY KIND OF WOOD: 1960 TO 1985

[In millions of board feet, except as indicated. 1980 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 98-112 and L 122-137]

ITEM	1960	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985 <sup>1</sup>
<b>Total production</b>	<b>32,828</b>	<b>34,886</b>	<b>32,818</b>	<b>40,488</b>	<b>40,588</b>	<b>35,354</b>	<b>31,872</b>	<b>30,010</b>	<b>34,572</b>	<b>37,886</b>	<b>36,314</b>
<b>Softwoods<sup>2</sup></b>	<b>26,672</b>	<b>27,530</b>	<b>26,747</b>	<b>33,467</b>	<b>33,255</b>	<b>26,239</b>	<b>25,420</b>	<b>24,949</b>	<b>28,827</b>	<b>30,801</b>	<b>30,282</b>
Cedar	(8)	633	821	928	837	722	757	470	744	752	783
Douglas fir	6,832	7,727	7,320	8,801	8,425	6,853	5,886	4,842	6,434	7,808	7,788
Hemlock	2,032	1,980	2,020	2,728	2,505	1,855	1,501	1,284	1,316	(NA)	(NA)
Ponderosa pine	3,188	3,429	3,544	4,175	3,988	3,288	2,894	2,350	2,889	3,679	3,888
Redwood	1,000	1,076	1,054	917	886	770	730	780	852	988	1,155
Southern yellow pine	5,880	7,083	6,967	9,231	8,283	6,217	6,415	6,754	10,181	10,648	10,142
White fir	2,224	2,083	2,012	2,088	2,140	1,843	1,253	974	1,318	2,017	2,158
White pine	675	686	947	1,184	(8)	(8)	502	272	(NA)	(NA)	(NA)
<b>Hardwoods<sup>2</sup></b>	<b>6,254</b>	<b>7,136</b>	<b>5,672</b>	<b>7,031</b>	<b>7,314</b>	<b>7,115</b>	<b>6,252</b>	<b>5,081</b>	<b>5,644</b>	<b>6,264</b>	<b>6,032</b>
Ash	125	159	124	180	(8)	(8)	130	122	224	218	222
Beech	195	186	138	146	193	183	95	88	112	111	91
Cottonwood and aspen	208	229	253	372	374	303	155	105	197	(NA)	125
Elm	186	155	117	151	151	149	77	57	(NA)	(NA)	(NA)
Maple	602	742	531	581	*217	*225	426	387	524	538	545
Oak	2,788	2,724	2,724	2,724	2,724	3,356	2,724	2,724	2,183	2,786	2,779
Sweet gum <sup>3</sup>	331	376	245	412	401	371	231	183	278	300	285
Tupelo and black gum	282	335	251	267	(8)	(8)	79	84	278	300	285
Yellow poplar	582	606	555	645	673	681	408	388	475	588	527
<b>Domestic consumption<sup>4</sup></b>	<b>35,325</b>	<b>36,872</b>	<b>36,180</b>	<b>49,637</b>	<b>47,547</b>	<b>40,104</b>	<b>37,818</b>	<b>36,273</b>	<b>45,136</b>	<b>48,883</b>	<b>50,877</b>
<b>Percent net imports<sup>5</sup></b>	<b>8.7</b>	<b>12.7</b>	<b>12.2</b>	<b>21.1</b>	<b>18.9</b>	<b>16.7</b>	<b>19.0</b>	<b>20.2</b>	<b>22.1</b>	<b>24.0</b>	<b>28.0</b>
<b>Softwoods</b>	<b>28,974</b>	<b>31,585</b>	<b>30,309</b>	<b>42,840</b>	<b>40,608</b>	<b>33,832</b>	<b>32,064</b>	<b>31,173</b>	<b>38,742</b>	<b>42,857</b>	<b>44,243</b>
Per capita (bd. ft.) <sup>6</sup>	184	155	141	182	181	148	140	134	170	181	186
Mill stocks, yearend	5,285	5,340	4,032	4,230	4,230	4,167	4,167	4,270	4,808	4,584	4,788
Exports	888	1,152	1,373	1,388	1,745	1,956	1,878	*1,630	1,745	1,988	1,311
Imports	3,631	5,788	5,711	11,825	11,118	9,540	9,205	9,119	11,947	13,270	14,888
<b>Hardwoods</b>	<b>6,252</b>	<b>6,488</b>	<b>5,791</b>	<b>6,987</b>	<b>6,938</b>	<b>6,272</b>	<b>5,855</b>	<b>5,086</b>	<b>5,387</b>	<b>5,836</b>	<b>5,834</b>
Per capita (bd. ft.) <sup>6</sup>	35	32	27	32	31	28	25	22	23	25	34
Mill stocks, yearend	2,087	1,144	875	820	1,105	1,572	1,727	1,538	1,334	1,581	1,719
Exports	173	138	165	320	307	378	408	358	478	487	387
Imports	291	347	224	361	378	293	291	211	281	326	384

NA Not available. <sup>1</sup> Figure does not meet publication standards. <sup>2</sup> Production data preliminary. <sup>3</sup> Includes types not shown separately. <sup>4</sup> Excludes hard maple. <sup>5</sup> Red and asp. <sup>6</sup> Source: Through 1970, Copeland Economics Group, Inc., Stamford, CT; thereafter, National Forest Products Association, Washington, DC. *The Economics Monthly Bulletin*, quarterly edition (copyright). <sup>7</sup> Imports minus exports. <sup>8</sup> Based on resident population estimated as of July 1

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

## NO. 1127. LUMBER PRODUCTION, BY GEOGRAPHIC AREA: 1970 TO 1985

[In billion board feet. Data based in part on a sample of sawmills and are subject to sampling variability; see source. For composition of divisions, see fig. 1, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113-121, for data by regions]

SECTION AND DIVISION	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
<b>United States</b>	<b>34.7</b>	<b>34.8</b>	<b>32.6</b>	<b>37.5</b>	<b>38.4</b>	<b>40.5</b>	<b>40.6</b>	<b>36.4</b>	<b>31.7</b>	<b>30.0</b>	<b>34.8</b>	<b>37.1</b>	<b>38.3</b>
<b>North<sup>1</sup></b>	<b>4.4</b>	<b>4.4</b>	<b>4.1</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>3.8</b>	<b>4.3</b>	<b>4.5</b>	<b>4.3</b>
Hardwood	3.4	3.3	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0	3.3	3.1
Softwood	1.0	1.1	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.3	1.2	1.2
<b>South<sup>2</sup></b>	<b>10.8</b>	<b>10.4</b>	<b>9.7</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>10.6</b>	<b>12.7</b>	<b>13.4</b>	<b>12.9</b>
Hardwood	3.8	3.4	2.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	2.4	2.8	2.7
Softwood	7.2	7.0	7.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8.6	10.3	10.7	10.2
<b>West<sup>3</sup></b>	<b>19.4</b>	<b>19.7</b>	<b>18.8</b>	<b>21.1</b>	<b>21.8</b>	<b>21.7</b>	<b>21.1</b>	<b>17.2</b>	<b>(NA)</b>	<b>15.4</b>	<b>17.6</b>	<b>19.1</b>	<b>19.2</b>
Hardwood	1	2	1	1	2	2	2	3	(NA)	2	2	2	2
Softwood	18.3	18.5	18.8	20.0	21.6	21.4	20.9	16.9	(NA)	15.1	17.4	19.0	19.0
<b>New England</b>	<b>.7</b>	<b>.8</b>	<b>.8</b>	<b>.9</b>	<b>.9</b>	<b>1.0</b>	<b>1.0</b>	<b>1.1</b>	<b>.7</b>	<b>1.0</b>	<b>1.2</b>	<b>1.1</b>	<b>1.1</b>
<b>Middle Atlantic</b>	<b>.8</b>	<b>.9</b>	<b>.7</b>	<b>.8</b>	<b>.9</b>	<b>.9</b>	<b>.9</b>	<b>.9</b>	<b>.5</b>	<b>.8</b>	<b>.8</b>	<b>.8</b>	<b>.7</b>
<b>East North Central</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>	<b>1.3</b>	<b>1.4</b>	<b>1.4</b>	<b>1.3</b>	<b>1.0</b>	<b>1.1</b>	<b>1.2</b>	<b>1.3</b>	<b>1.3</b>
<b>West North Central</b>	<b>.8</b>	<b>.6</b>	<b>.5</b>	<b>.8</b>	<b>.8</b>	<b>.7</b>	<b>.6</b>	<b>.6</b>	<b>.2</b>	<b>.3</b>	<b>.4</b>	<b>.4</b>	<b>.4</b>
<b>South Atlantic</b>	<b>5.2</b>	<b>5.1</b>	<b>4.7</b>	<b>5.2</b>	<b>5.3</b>	<b>5.4</b>	<b>5.8</b>	<b>5.2</b>	<b>4.4</b>	<b>5.4</b>	<b>6.8</b>	<b>6.7</b>	<b>6.4</b>
<b>East South Central</b>	<b>3.4</b>	<b>3.4</b>	<b>3.0</b>	<b>3.3</b>	<b>3.6</b>	<b>3.7</b>	<b>3.6</b>	<b>3.2</b>	<b>2.6</b>	<b>3.2</b>	<b>3.8</b>	<b>4.2</b>	<b>4.1</b>
<b>West South Central</b>	<b>3.2</b>	<b>2.9</b>	<b>3.0</b>	<b>3.1</b>	<b>3.5</b>	<b>3.6</b>	<b>3.2</b>	<b>2.9</b>	<b>2.3</b>	<b>2.8</b>	<b>3.1</b>	<b>3.3</b>	<b>3.1</b>
<b>Mountain</b>	<b>4.2</b>	<b>3.9</b>	<b>3.9</b>	<b>4.6</b>	<b>4.7</b>	<b>4.7</b>	<b>4.5</b>	<b>3.8</b>	<b>3.3</b>	<b>3.3</b>	<b>3.8</b>	<b>4.4</b>	<b>4.5</b>
<b>Pacific</b>	<b>15.3</b>	<b>15.8</b>	<b>14.8</b>	<b>16.6</b>	<b>17.1</b>	<b>17.0</b>	<b>16.6</b>	<b>13.4</b>	<b>11.2</b>	<b>12.2</b>	<b>13.6</b>	<b>14.8</b>	<b>14.8</b>

NA Not available. <sup>1</sup> Includes amounts not specified by division. <sup>2</sup> Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1960-85*, annual. Sections are as defined by the Forest Service, see source.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

## No. 1128. WOOD PRODUCTS—PRODUCTION: 1960 TO 1986

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983 <sup>1</sup>	1984 <sup>1</sup>	1985 <sup>1</sup>	1986, <sup>1</sup> prel.
Wood flooring	Mil. bd. ft.	915	333	155	292	315	275	365	400	416	419
Wood plywood	Bil. sq. ft. % <sup>2</sup> basis	7.8	14.1	15.7	15.5	15.6	14.1	18.0	19.9	20.2	22.4
Wood boards	1,000 short tons	1,066	1,219	1,249	1,051	945	729	900	786	849	800
Wood board	1,000 short tons	886	1,463	1,784	1,970	1,858	1,485	1,900	2,170	2,000	1,848
Wood board	Mil. sq. ft. % <sup>2</sup> basis	266	1,764	2,503	3,029	2,830	2,470	3,010	3,198	3,331	3,803

<sup>1</sup> Limited by the International Trade Administration.

<sup>2</sup> Source: U.S. Dept. of Commerce, International Trade Administration, *Forest Products Review*, monthly (discontinued April 1983); published data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, MD.

## No. 1129. PAPER AND PAPERBOARD—PRODUCTION AND CONSUMPTION: 1970 TO 1986

[In millions of short tons. See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 175-191]

ITEM	PRODUCTION						CONSUMPTION <sup>1</sup>					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Total paper and paperboard	51.7	51.0	63.5	70.3	68.8	72.7	66.0	54.1	67.1	77.0	76.3	79.8
Newsprint	3.5	3.7	4.7	5.5	5.4	5.6	9.8	9.0	11.4	12.7	12.8	13.0
Printing, converting	3.2	3.2	4.6	6.2	5.9	6.3	3.2	3.0	4.8	6.6	6.3	6.7
Coated free sheet	5.1	5.3	5.0	9.2	9.7	10.4	5.1	5.3	6.0	9.5	10.0	10.8
Printing, writing, etc.	2.9	2.5	2.9	3.0	2.9	2.9	2.7	2.6	3.4	4.3	4.2	4.5
Wadding and industrial converting	6.3	4.6	5.5	5.6	5.2	5.1	5.1	4.3	5.2	5.4	5.1	5.1
Use and other machine creped	3.5	4.0	4.4	4.9	4.9	5.1	3.7	3.9	4.3	4.9	5.0	5.1
Board: Unbleached kraft	11.5	11.5	15.3	17.2	16.4	17.7	9.9	10.5	13.0	15.2	14.6	15.7
Coated kraft	3.3	3.3	3.9	4.0	3.9	4.3	3.2	3.1	3.3	3.6	3.5	3.9
Chemical	3.5	3.7	4.7	5.2	5.1	5.4	3.4	3.6	4.4	5.1	5.0	5.3
Coated finish	7.0	6.2	7.1	7.6	7.6	8.1	7.0	6.2	7.0	7.7	7.7	8.1
Wadding paper and board <sup>2</sup>	■	3.0	2.6	<sup>3</sup> 1.8	<sup>3</sup> 1.8	<sup>3</sup> 1.8	3.0	3.0	3.0	<sup>3</sup> 2.3	<sup>3</sup> 2.1	<sup>3</sup> 2.0

<sup>1</sup> Total consumption of paper and paperboard includes net imports of paper and paperboard converted products; not available by State. <sup>2</sup> Source: 1970-1980 U.S. Bureau of the Census, *Current Industrial Reports*, includes wet machine board, approximately 10-100,000 tons per year. <sup>3</sup> Estimated.

<sup>4</sup> Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual.

## No. 1130. NEWSPRINT—PRODUCTION, STOCKS, CONSUMPTION, IMPORTS, AND PRICE INDEX: 1960 TO 1986

[In thousands of metric tons, except price index and imports (imports shown in short tons). See also *Historical Statistics, Colonial Times to 1970*, series L 192-195]

COUNTRY AND ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total Production	6,114	7,908	6,968	8,798	8,625	8,950	8,109	8,466	9,013	8,968	9,289
Imports from mills	6,125	7,795	7,010	8,780	8,622	8,913	8,054	8,439	9,018	8,966	9,302
Exports at mills, end of year	127	214	86	162	165	202	256	303	296	290	277
U.S. States:											
Estimated consumption <sup>1</sup>	6,534	6,805	6,395	10,199	10,068	10,164	10,107	10,587	11,431	11,587	11,936
Production	1,849	3,142	3,348	3,685	4,239	4,752	4,574	4,688	5,025	4,924	5,106
Imports from mills	1,642	3,136	3,347	3,689	4,234	4,735	4,526	4,674	5,065	4,927	5,115
Exports, end of year: At mills	24	30	19	18	21	38	66	99	60	57	49
And in transit to publishers	570	680	686	626	732	961	854	790	674	910	849
Exports <sup>2</sup>	5,412	6,835	5,847	7,221	7,280	6,978	6,531	6,919	7,899	6,472	6,580
Price index (1967=100)	96.1	107.6	184.0	250.2	<sup>3</sup> 279.3	<sup>3</sup> 308.0	315.6	303.0	323.1	332.4	326.1

<sup>1</sup> All users. Based on American Paper Institute data. <sup>2</sup> Source: Reports of U.S. Bureau of the Census. Includes Puerto Rico and beginning 1961, Virgin Islands. <sup>3</sup> Average for 11 months.

<sup>4</sup> Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Paper Institute, Inc., New York, NY, and Canadian Pulp & Paper Association.

## No. 1131. WASTEPAPER UTILIZATION AND RECOVERY RATES: 1960 TO 1986

[In millions of short tons, except percent. Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Hard board, production <sup>1</sup>	33.9	51.7	51.0	64.3	63.5	64.3	61.0	66.6	70.3	68.6	72.7
Wastepaper consumption	<sup>2</sup> 9.0	11.6	11.7	15.4	14.9	15.0	14.4	15.6	16.7	16.4	17.5
Wastepaper utilization rate (percent)	26.5	22.8	23.0	23.8	23.4	23.3	23.7	24.4	23.8	23.8	23.9
Wastepaper uses <sup>3</sup>	20	42	54	51	47	48	49	48	46	45	49
Wastepaper exports	15	41	86	2.23	2.86	2.21	2.13	2.57	3.24	3.29	3.75
Wastepaper recovered	9.3	12.6	13.1	16.0	16.0	17.7	17.0	18.6	20.3	20.0	21.6
Hard board, new supply <sup>4</sup>	36.5	56.0	54.1	69.6	67.1	68.0	64.7	71.2	77.0	76.3	79.8
Recovery rate (percent)	24.2	22.4	24.2	25.8	26.8	26.0	26.2	26.1	26.4	26.3	27.0

<sup>1</sup> Includes hard pressed board; includes construction paper and board, and wet machine board. <sup>2</sup> Source: U.S. Bureau of the Census, Report FT 448. <sup>3</sup> Estimated. <sup>4</sup> Excludes production of hard pressed board.

<sup>5</sup> Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual, published data.

## NO. 1132. SELECTED WOOD PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1986

[See also Historical Statistics of the United States, Colonial Times to 1970, series L 151-170]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>PULPWOOD</b>										
Receipts, total	ML cords <sup>1</sup>	88.9	88.4	81.0	79.3	77.3	83.4	86.0	85.4	91.1
Softwood	ML cords <sup>1</sup>	52.4	49.3	60.2	58.8	56.4	59.8	62.9	60.2	63.5
Hardwood	ML cords <sup>1</sup>	16.5	16.2	20.8	20.5	20.9	23.6	23.2	25.1	27.6
Consumption, total	ML cords <sup>1</sup>	67.6	65.4	79.7	78.3	77.8	83.5	87.0	84.8	89.6
Softwood	ML cords <sup>1</sup>	51.3	48.9	58.8	56.5	56.4	59.9	62.6	59.7	63.6
Hardwood	ML cords <sup>1</sup>	16.3	16.5	20.9	20.8	21.1	23.6	24.4	25.1	27.6
Inventories <sup>2</sup>	ML cords <sup>1</sup>	6.6	6.6	6.7	5.9	■	5.2	5.2	5.1	4.7
<b>WOODPULP</b>										
Production	ML short tons	43.9	43.1	53.0	52.6	51.0	54.1	57.8	57.7	60.9
Consumption, total	ML short tons	43.2	42.4	52.4	52.6	50.2	54.0	57.5	56.8	59.9
Own pulp	ML short tons	38.9	38.5	46.6	47.3	44.6	47.7	50.3	49.7	52.6
Purchased pulp	ML short tons	4.3	3.9	5.8	5.3	5.6	6.3	7.2	7.0	7.3
<b>PLYWOOD</b>										
Softwood:										
Production	ML sq. ft. <sup>3</sup>	14,149	15,708	15,483	15,524	15,134	18,281	18,886	19,341	19,829
Consumption, total	ML sq. ft. <sup>3</sup>	(NA)	(NA)	15,145	14,863	14,741	17,737	18,826	19,122	19,436
Value	ML dol	946	(NA)	2,582	2,390	2,177	2,877	2,895	3,080	3,185
Hardwood:										
Production	ML sq. ft. <sup>3</sup>	1,804	1,280	1,311	■	1,189	1,248	1,186	1,018	1,062
Consumption, total	ML sq. ft. <sup>3</sup>	8,772	4,970	3,416	3,837	3,173	4,324	3,831	4,311	4,816
Value	ML dol	516	586	977	1,065	920	1,131	1,199	1,192	1,227

NA Not available. <sup>1</sup> Standard cords, 128 cubic feet roughwood bases. <sup>2</sup> As of Dec. 31. <sup>3</sup> In the manufacture of paper and board. <sup>4</sup> % basis. <sup>5</sup> Surface measure.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA26-A, MA24-H, and MA24-F.

## NO. 1133. SELECTED TIMBER PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1986

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>IMPORTS <sup>1</sup></b>											
Lumber, total <sup>2</sup>	ML bd. ft.	6,114	5,978	11,530	9,866	9,523	9,360	12,254	13,832	15,008	14,816
From Canada	Percent	98.0	98.0	97.0	97.5	97.5	98.2	98.3	97.9	97.6	97.5
Softwoods	ML bd. ft.	5,778	5,724	11,153	9,573	9,232	9,150	11,983	13,304	14,844	14,272
Value	ML dol	434	717	2,551	1,826	1,763	1,624	2,589	2,881	2,888	2,989
Hardwoods	ML bd. ft.	337	252	376	293	291	211	280	326	364	347
Value	ML dol	62	70	167	152	154	104	134	173	180	169
Logs, total	ML bd. ft. <sup>3</sup>	144	85	133	126	101	117	185	147	■	79
From Canada	Percent	76.8	83.9	83.6	87.4	98.3	98.6	97.9	87.4	81.8	77.9
Softwoods	ML bd. ft. <sup>3</sup>	107	69	118	114	88	99	142	117	71	52
Value	ML dol	9	12	26	17	17	23	24	15	17	7
Hardwoods	ML bd. ft. <sup>3</sup>	36	17	15	13	14	18	23	30	29	26
Value	ML dol	5	3	3	3	3	3	3	5	4	4
Paper and board <sup>4</sup>	1,000 tons	7,115	6,283	8,123	8,780	8,339	8,024	8,986	11,075	11,522	11,936
Value	ML dol	1,036	1,806	3,208	3,416	3,672	3,982	4,019	5,324	5,696	6,035
Woodpulp	1,000 tons	3,516	3,078	4,318	4,051	4,067	3,656	4,083	4,480	4,486	4,582
Value	ML dol	483	1,007	1,485	1,884	1,764	1,493	1,472	1,845	1,521	1,801
Plywood	ML sq. ft.	4,171	3,913	4,243	2,477	3,047	2,270	3,283	3,086	3,608	3,837
Value	ML dol	208	260	591	409	465	331	451	436	463	519
<b>EXPORTS</b>											
Lumber, total <sup>2</sup>	ML bd. ft.	1,243	1,618	2,142	2,484	2,408	2,021	2,270	2,160	1,945	2,427
To: Canada	Percent	21.7	34.0	30.4	25.3	30.3	20.7	29.3	25.8	23.7	22.0
Japan	Percent	30.8	31.9	30.2	26.0	21.8	31.1	27.8	28.0	32.1	36.4
Europe	Percent	24.1	15.1	21.3	23.6	16.8	20.3	20.2	16.0	15.1	16.6
Softwoods	ML bd. ft.	1,115	1,406	1,781	2,007	1,928	1,635	1,766	1,824	1,518	1,878
Value	ML dol	183	346	791	789	684	662	808	541	497	644
Hardwoods	ML bd. ft.	128	213	361	487	479	386	514	527	427	■
Value	ML dol	31	68	225	272	269	229	305	300	253	380
Logs, total	ML bd. ft. <sup>3</sup>	2,741	2,867	3,887	3,281	2,489	3,206	3,307	3,486	3,849	3,887
To: Canada	Percent	10.8	10.4	10.5	9.7	9.9	9.4	10.5	12.1	11.6	12.2
Japan	Percent	86.3	84.6	80.8	76.0	71.3	81.7	55.4	50.4	49.4	57.3
China: Mainland	Percent	(NA)	(NA)	(NA)	2.7	8.8	17.1	21.9	24.8	27.8	17.6
Softwoods	ML bd. ft. <sup>3</sup>	2,672	2,901	3,768	3,108	2,377	3,116	3,196	3,388	3,732	3,488
Value	ML dol	320	681	1,614	1,452	1,003	1,174	1,089	1,079	1,169	1,129
Hardwoods	ML bd. ft. <sup>3</sup>	69	86	129	152	112	93	112	126	111	139
Value	ML dol	36	43	138	129	92	64	88	101	91	87
Paper and board <sup>4</sup>	1,000 tons	2,817	3,116	3,672	5,214	4,641	4,246	4,589	■	4,077	4,832
Value	ML dol	602	1,315	1,914	2,773	2,891	2,589	2,481	■	2,286	2,549
Woodpulp	1,000 tons	3,085	2,782	2,985	3,806	3,678	3,385	3,644	3,504	3,791	4,486
Value	ML dol	464	675	1,104	1,662	1,861	1,415	1,382	1,502	1,353	1,888
Plywood	ML sq. ft.	183	871	436	420	741	483	615	■	385	686
Value	ML dol	16	141	107	106	179	117	143	94	85	145

<sup>1</sup> Customs value of imports; see text, section 28. <sup>2</sup> Includes railroad ties. <sup>3</sup> Log scale. <sup>4</sup> Includes paper and board products. Excludes hardboard.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics: 1980 to 1988*

## NO. 1134. FISHERY PRODUCTS—SUPPLY: 1970 TO 1986

Live weight, in millions of pounds, except percent. 1978-1986 preliminary. See *Historical Statistics, Colonial Times to 1970*, series L 224-226, for domestic catch]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total.....	11,474	10,164	10,862	11,509	11,831	11,967	11,363	12,611	12,382	12,582	15,150	14,368
For human food.....	6,213	6,304	7,485	8,135	8,251	8,006	8,267	7,966	8,413	8,496	9,337	9,620
Finfish.....	(NA)	4,648	5,841	6,283	6,324	6,139	6,316	6,090	6,358	6,303	6,991	7,067
Shellfish <sup>1</sup> .....	(NA)	1,548	1,625	1,872	1,927	1,867	1,951	1,876	2,055	2,195	2,346	2,533
For industrial use.....	5,261	3,770	3,186	3,374	3,580	3,351	3,096	4,043	3,939	4,054	5,813	4,748
Domestic catch.....	4,917	4,877	5,271	5,628	5,367	5,482	5,977	5,367	6,439	6,436	8,268	8,031
Percent of total.....	42.8	47.9	48.5	52.4	53.0	57.1	52.7	53.0	52.1	51.3	41.3	42.0
For human food.....	2,537	2,537	2,952	3,177	3,318	3,654	3,547	3,285	3,239	3,320	3,294	3,393
Finfish.....	(NA)	1,548	1,833	2,018	2,204	2,516	2,414	2,324	2,351	2,346	2,273	2,240
Shellfish <sup>1</sup> .....	(NA)	817	1,119	1,159	1,114	1,138	1,133	961	887	972	1,021	1,153
For industrial use.....	2,380	2,412	2,319	2,851	2,949	2,826	2,430	3,082	3,201	3,116	2,964	2,638
Imports <sup>2</sup> .....	6,557	5,287	5,351	5,481	5,564	4,975	5,375	5,644	5,913	6,114	6,882	6,337
Percent of total.....	57.2	52.1	50.5	47.6	47.0	42.9	47.3	47.0	47.9	48.7	58.7	58.0
For human food.....	3,676	3,829	4,514	4,958	4,933	4,352	4,720	4,683	5,175	5,176	6,043	6,227
Finfish.....	(NA)	3,300	3,808	4,245	4,120	3,823	3,902	3,786	4,007	3,955	4,718	4,847
Shellfish <sup>1</sup> .....	(NA)	829	706	713	813	729	818	917	1,168	1,223	1,325	1,380
For industrial use <sup>3</sup> .....	2,881	1,358	867	523	631	523	655	951	736	936	2,849	2,110

(A) Not available. <sup>1</sup>For unshelled and shelled mollusks (conch, clams, oysters, scallops, etc.), the weight of meats, including the shell, is reported. <sup>2</sup>Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of fish caught by foreign vessels in American Samoa. <sup>3</sup>Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## NO. 1135. FISHERIES—EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS: 1970 TO 1985

In thousands. As of Dec. 31. Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254-261]

ITEM	1970	1975	1976	1977	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1982, prel.	1983, prel.	1984, prel.	1985, prel.
Persons employed in U.S. fisheries.....	227	260	267	260	257	267	290	303	314	333	340	351
Shermen.....	140	168	174	162	172	172	193	198	215	223	230	239
Boat workers <sup>1</sup> .....	87	92	93	98	85	95	103	105	99	110	110	112
Boats used.....	86	103	103	107	104	103	113	115	123	127	127	130
Boats, 5 net tons and over.....	14	16	17	17	18	18	19	20	20	21	24	24
Motorboats.....	72	85	84	88	84	84	93	93	102	105	102	104
Sailboats.....	2	2	2	2	2	1	1	2	1	1	1	2
Fishing shore establishments.....	3.7	3.8	3.8	3.8	3.3	3.4	3.6	3.6	3.6	3.9	4.0	4.0

<sup>1</sup>Seasonal average for processors and wholesaling plants.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## NO. 1136. FISHERIES—QUANTITY AND VALUE OF DOMESTIC CATCH: 1960 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series L 224-226, L 229, and L 310]

YEAR	QUANTITY (mil. lb. <sup>1</sup> )			Ex-vessel value (mil. dol.)	Average price per lb. (cents)	YEAR	QUANTITY (mil. lb. <sup>1</sup> )			Ex-vessel value (mil. dol.)	Average price per lb. (cents)
	Total	For human food	For industrial products <sup>2</sup>				Total	For human food	For industrial products <sup>2</sup>		
1960	4,942	2,498	2,444	354	7.2	1978, prel.	6,028	3,177	2,851	1,854	30.7
1961	4,777	2,587	2,190	446	9.3	1979, prel.	6,267	3,316	2,949	2,234	35.6
1962	4,917	2,537	2,380	513	12.5	1980, prel.	6,482	3,554	2,928	2,237	34.5
1963	4,806	2,435	2,371	740	15.6	1981, prel.	5,977	3,547	2,430	2,368	40.0
1964	4,858	2,398	2,480	837	19.3	1982, prel.	6,367	3,285	3,082	2,390	37.5
1965	4,967	2,496	2,471	932	18.7	1983, prel.	6,439	3,238	3,201	2,355	36.6
1966	4,877	2,485	2,412	977	20.0	1984, prel.	6,436	3,320	3,116	2,350	36.5
1967	5,388	2,775	2,613	1,349	25.0	1985, prel.	6,258	3,294	2,964	2,326	37.2
1968	5,271	2,952	2,319	1,554	29.5	1986, prel.	6,031	3,393	2,638	2,763	46.8

<sup>1</sup>Weight. <sup>2</sup>Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.



## NO. 1137. FISHERIES—DISPOSITION OF DOMESTIC CATCH: 1970 TO 1986

(Live weight catch in millions of pounds. 1978-1986 preliminary. In addition to whole fish, a large portion of waste (400-500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970*, series L 305-310, for similar but not entirely comparable data)

DISPOSITION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	4,917	4,877	5,271	6,828	5,367	6,482	5,977	6,267	6,436	6,436	6,266	6,661
Fresh and frozen	1,595	1,744	1,538	2,237	2,394	2,621	2,547	2,550	2,304	2,336	2,242	2,480
Canned	1,160	907	1,359	1,099	1,048	1,181	1,118	1,118	1,087	1,128	1,232	1,131
Cured	71	55	55	52	94	96	90	85	80	82	70	90
Reduced to meal, oil, etc	2,101	2,171	2,319	2,640	2,733	2,604	2,222	2,841	2,986	2,892	2,714	2,360

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## NO. 1138. FISHERIES—DOMESTIC CATCH AND EX-VESSEL VALUE BY AREA: 1960 TO 1986

[See *Historical Statistics, Colonial Times to 1970*, series L 236-253, for data on quantity and ex-vessel value of catch]

AREA	CATCH (mil. lb.)						VALUE (mil. dol.)					
	1960	1965	1968	1969	1970	1980	1960	1962	1966	1969	1980	1986
United States	6,482	6,367	6,436	6,436	6,266	6,031	2,227	2,366	2,366	2,366	2,326	2,769
New England States	786	867	711	684	690	563	327	374	435	434	419	446
Middle Atlantic States	244	129	129	153	151	155	87	93	94	109	101	114
Chesapeake Bay States	717	791	641	663	615	617	130	120	130	139	134	131
South Atlantic States	473	427	397	402	311	249	148	184	173	160	186	156
Gulf States	1,979	2,300	2,443	2,644	2,412	2,366	483	614	615	666	697	791
Pacific Coast States	2,140	1,872	1,739	1,701	1,816	1,923	1,025	964	646	795	883	1,085
Great Lakes States	44	36	47	61	54	46	14	13	14	14	15	14
Hawaii	11	14	29	35	17	11	12	14	16	29	22	29
Other <sup>1</sup>	85	106	85	85	92	85	21	34	30	25	29	34

<sup>1</sup> Mississippi River and other areas.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## NO. 1139. DOMESTIC FISH AND SHELLFISH CATCH, BY SPECIES: 1961 TO 1986

SPECIES	QUANTITY (1,000 lb.)			VALUE (\$1,000)			1961-1986, avg. quantity (1,000 lb.)	RECORDED CATCH	
	1964	1966	1968	1964	1966	1968		Year	Quantity (1,000 lb.)
Total	6,437,763	6,267,642	6,030,634	2,366,462	2,326,337	2,762,823	(X)	(NA)	(NA)
Fish, total <sup>1</sup>	3,466,194	3,214,363	3,070,793	1,196,612	1,193,427	1,319,134	(X)	(NA)	(NA)
Anchovies	17,798	14,566	13,436	5,631	2,704	2,523	55,917	1975	329,356
Bluefish	12,713	13,743	13,968	2,362	2,363	2,413	15,234	(NA)	(NA)
Butterfish	26,026	10,338	8,660	7,066	3,637	8,576	14,483	(NA)	(NA)
Cod: Atlantic	86,775	82,623	61,134	36,143	35,140	36,142	99,395	1980	294,261
Pacific	115,868	120,275	104,443	20,966	18,556	11,337	91,875	1985	120,275
Croaker	10,570	11,066	12,362	3,552	3,658	3,663	12,412	1945	64,668
Flounders	219,996	195,718	169,060	124,259	129,121	124,586	219,727	1963	253,526
Haddock	25,997	14,416	10,966	16,362	13,545	10,911	34,627	1929	293,609
Halibut	47,903	61,032	77,691	25,436	36,376	62,925	42,869	1966	77,691
Herring, sea: Pacific	104,742	142,074	130,764	22,159	47,025	44,596	122,658	1937	329,356
Jack mackerel	23,350	20,652	23,672	1,963	1,770	1,775	34,529	1962	146,522
Mackerel, Pacific	93,406	75,453	85,444	7,612	6,324	6,406	77,769	(NA)	(NA)
Menhaden	2,691,076	2,738,401	2,391,363	117,297	100,680	93,762	2,692,862	1963	2,962,811
Mullet	22,782	21,205	21,646	5,426	5,720	6,043	26,664	1902	43,386
Ocean perch, Atlantic	12,333	9,666	6,576	3,550	3,179	3,160	14,539	1961	258,320
Pollock, Atlantic	39,536	43,477	54,469	6,439	6,976	14,044	36,503	1966	54,469
Rockfishes	85,569	82,109	92,029	21,613	23,107	26,266	102,696	1963	96,315
Sablefish	50,031	63,390	64,666	17,526	26,692	45,879	45,757	1966	64,666
Salmon	691,406	726,946	658,521	391,462	439,795	493,937	662,702	1965	726,946
Scup or porgy	16,505	15,996	16,181	6,775	9,338	9,476	19,106	1960	49,229
Sea trout, gray	19,726	16,400	20,602	7,541	7,330	7,086	19,660	1945	41,460
Snapper, red	5,745	5,181	4,489	10,107	10,661	9,820	5,973	1902	23,457
Swordfish	12,831	12,268	9,671	37,063	33,191	30,508	11,174	(NA)	(NA)
Tuna	211,830	83,064	87,811	118,352	52,515	54,575	235,227	1976	400,367
Whiting	46,214	44,545	39,924	6,667	6,274	6,312	40,065	1957	123,041
Shellfish, total <sup>1</sup>	661,689	1,043,279	1,198,871	1,161,850	1,132,910	1,443,689	(X)	(NA)	(NA)
Clams	132,821	150,561	145,393	116,491	126,349	134,910	125,563	1965	150,561
Crabs	312,953	337,632	355,660	186,576	203,044	270,136	352,636	1977	412,774
Lobsters: American	43,667	46,152	46,053	114,348	114,695	120,556	42,253	1965	46,162
Oysters	46,267	44,173	40,544	60,617	70,063	78,066	49,400	1906	152,046
Scallops: Calico	39,330	12,513	1,616	21,620	12,524	3,067	17,420	1964	39,330
Sea	16,427	15,629	19,992	97,675	74,562	97,415	21,267	1961	27,491
Shrimp	301,754	339,691	400,185	468,400	472,650	662,744	304,680	1907	476,466

NA Not available. X Not applicable. <sup>1</sup> Includes other types of fish and shellfish, not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual.

# 148. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATE, AND CATCH OF PRINCIPAL SPECIES, BY AREA: 1970 TO 1988

millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1980-1988 preliminary.  
See also *Historical Statistics, Colonial Times to 1970*, series L 262-283

E, CATCH, AND VALUE	1970	1980	1985	1988	AREA, STATE, CATCH, AND VALUE	1970	1980	1985	1988
all	531	786	580	563	South Atlantic—Con.				
	91	327	419	448	Florida (east coast)				
	159	245	175	175	Catch	78	77	86	47
	31	53	101	108	Value	12	39	57	42
					Catch for certain species:				
					Crabs	43	55	48	40
					Menhaden	136	(d)	(d)	(d)
					Shrimp	21	33	28	23
					Gulf States:				
					Catch	1,986	1,979	2,412	2,388
					Value	167	463	547	781
					Florida (west coast):				
					Catch	116	115	117	119
					Value	31	86	114	112
					Alabama:				
					Catch	30	25	30	37
					Value	10	25	41	64
					Mississippi:				
					Catch	298	252	471	418
					Value	11	25	40	48
					Louisiana:				
					Catch	1,107	1,412	1,883	1,677
					Value	81	174	225	313
					Texas:				
					Catch	147	94	103	117
					Value	53	153	177	248
					Catch for certain species:				
					Crabs	36	45	53	58
					Menhaden	1,209	(d)	(d)	(d)
					Mullet	27	31	17	18
					Oysters (meats)	18	17	25	20
					Shrimp	230	208	263	304
					Great Lakes:				
					Catch	72	44	54	48
					Value	6	14	15	14
					Pacific Coast:				
					Catch	1,480	2,140	1,816	1,922
					Value	235	1,025	863	1,065
					Washington:				
					Catch	134	158	187	187
					Value	30	84	93	111
					Oregon:				
					Catch	98	128	101	119
					Value	23	58	46	82
					California:				
					Catch	703	804	363	386
					Value	86	323	133	139
					Alaska:				
					Catch	545	1,054	1,185	1,236
					Value	98	580	591	753
					Catch for certain species:				
					Anchovies	103	107	15	13
					Bonito	9	14	5	1
					Crabs	126	347	129	180
					Flounder	46	60	68	84
					Halibut	34	19	61	78
					Herring, see	22	107	142	131
					Jack mackerel	48	44	21	24
					Salmon	410	614	727	669
					Shrimp	93	98	36	63
					Tuna	378	387	64	77
					Mississippi River and tributaries:				
					Catch	75	85	92	86
					Value	10	21	29	34
					Hawaii:				
					Catch	11	11	17	11
					Tuna catch	9	7	11	5
					Value	4	12	22	20

old to avoid disclosure. <sup>1</sup> Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service, in addition to the Great Lakes, small amounts for Lake St. Clair, Lake of the Woods, Nemadji Lake, and Rainy

U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, and *Fisheries of the United States*, annual.

### NO. 1141. CATCH AND CATCH LIMITS IN THE U.S. EXCLUSIVE ECONOMIC ZONE (EEZ) BY COUNTRY: 1982 TO 1986

(In millions of pounds live weight. Data are preliminary. Excludes tuna. (In 1982 and 1983, U.S. domestic catch of tuna in EEZ was 23 mil. lb.; in 1984, 34 mil. lb. and in 1985 and 1986, 32 mil. lb.). Allocations (catch limits) set by species for countries fishing within 200 to 300 miles of U.S. shores. For details, see text, section 24, and source.)

COUNTRY	ACTUAL CATCH					ALLOCATION				
	1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
Total catch in EEZ	5,306	5,305	5,929	6,226	6,616	(x)	(x)	(x)	(x)	(x)
U.S.	2,331	2,525	2,938	3,085	5,519	(x)	(x)	(x)	(x)	(x)
Foreign	3,054	2,841	2,994	2,581	1,297	4,270	4,286	4,278	3,254	1,526
Japan	2,984	2,143	2,072	1,778	650	3,039	2,585	2,554	1,886	1,047
Soviet Union	(x)	(x)	51	23	(z)	(x)	(x)	77	24	(x)
South Korea	536	613	808	497	215	677	716	727	552	258
Poland	(x)	(x)	153	182	171	(x)	(x)	174	197	172
Spain	34	10	9	13	6	36	30	22	20	8
Italy	32	20	25	44	9	32	32	19	16	9
West Germany	38	52	53	(x)	(x)	49	64	62	(x)	(x)
Bulgaria	16	(x)	(x)	(x)	(x)	40	1	(x)	(x)	(x)
China: Taiwan	15	(x)	(x)	(x)	(x)	47	15	(x)	(x)	(x)
East Germany	(x)	3	12	24	42	12	11	28	63	22

X Not applicable. Z Less than 500,000 pounds. <sup>1</sup> Includes countries not shown separately. <sup>2</sup> Includes Faroe Islands.

### NO. 1142. U.S. CATCH AND VALUE OF FISH AND SHELLFISH, BY DISTANCE CAUGHT OFF U.S. SHORES—SELECTED SPECIES: 1986

(Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and catches by U.S. flag vessels unloaded onto foreign vessels within the U.S. FCZ (joint venture).)

SPECIES	U.S. catch <sup>1</sup> (mil. lb.)	BY DISTANCE FROM U.S. SHORES						U.S. catch <sup>1</sup> (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES		
		Catch (mil. lb.)			Percent of U.S. catch				3 miles or less <sup>2</sup>	3 to 200 miles	Over 200 miles
		3 miles or less <sup>2</sup>	3 to 200 miles	Over 200 miles	3 miles or less <sup>2</sup>	3 to 200 miles	Over 200 miles				
Fish, total <sup>2</sup>	8,219.2	2,876.6	4,903.4	539.2	35	58	7	1,837.2	46	42	12
Cod	311.2	17.5	292.5	1.2	6	94	(z)	61.9	5	94	1
Flounder	645.0	38.3	506.0	10.7	6	92	2	163.4	14	81	5
Halibut	77.7	29.8	48.1	(z)	38	62	(z)	62.9	38	62	(z)
Herring, sea	210.1	183.9	26.2	(z)	88	12	(z)	48.9	97	3	(z)
Jack mackerel	23.7	(z)	23.7	(z)	(z)	100	(z)	1.6	(z)	100	(z)
Menhaden	2,391.4	1,569.4	622.0	(z)	66	44	(z)	93.6	66	32	(z)
Ocean perch	22.8	4.9	17.9	(z)	21	79	(z)	6.3	11	89	(z)
Salmon, Pacific	668.5	641.5	17.0	(z)	97	3	(z)	493.9	95	5	(z)
Tuna	555.0	6	32.4	522.0	(z)	6	94	217.2	(z)	15	(z)
Shellfish <sup>2</sup>	1,172.5	628.3	548.1	4.1	53	47	(z)	1,452.7	46	52	(z)
Clams (meats)	145.4	46.9	98.5	(z)	32	68	(z)	134.9	67	33	(z)
Crabs	355.7	216.6	138.6	(z)	61	39	(z)	270.1	38	62	(z)
Lobsters	52.6	40.6	11.9	(z)	77	23	(z)	139.6	74	25	(z)
Scallops (meats)	22.3	2.0	20.3	(z)	9	91	(z)	107.0	12	88	(z)
Shrimp	400.2	199.0	201.2	(z)	50	50	(z)	662.7	41	59	(z)

Z Less than 500,000 pounds or .05 percent. <sup>1</sup> Includes catch from international waters or off foreign shores. <sup>2</sup> Includes all landings in Great Lakes and other inland waters. <sup>3</sup> Includes other species not shown separately.

Source of tables 1141 and 1142: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States, annual* and *Fisheries of the United States, annual*.

### NO. 1143. FISHERIES, SELECTED COUNTRIES—COMMERCIAL CATCH: 1981 TO 1985

(In billions of pounds, live weight. Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals.)

COUNTRY	1981	1982	1983	1984	1985	COUNTRY	1981	1982	1983	1984	1985
World total <sup>1</sup>	186.8	188.2	178.3	183.2	187.3	China: Mainland <sup>2</sup>	9.8	10.9	11.5	13.1	14.9
United States	6.3	6.6	6.4	10.8	10.5	Iceland	3.2	1.7	1.8	3.4	3.7
Japan	23.7	23.9	24.8	25.5	25.2	Philippines	3.7	3.9	4.4	4.3	4.1
Soviet Union	21.0	22.0	21.8	23.4	23.2	Canada	3.1	3.1	3.0	2.8	3.1
Peru	6.0	7.8	3.5	7.4	9.2	North Korea (est.)	3.3	3.4	3.5	3.6	3.7
Chile	7.5	8.1	8.8	9.9	10.6	Spain	2.6	3.0	2.9	2.9	2.9
Norway	5.6	5.5	6.3	5.4	4.6	Vietnam	1.4	1.4	1.6	1.7	1.9
India	5.4	5.2	5.5	6.3	6.2	Brazil	1.8	1.8	1.9	2.1	2.1
South Korea	5.2	5.0	5.3	5.5	5.8	Mexico	3.4	2.9	2.3	2.4	2.7
Denmark	4.1	4.2	4.1	4.1	3.7	France	1.7	1.7	1.7	1.7	1.9
Indonesia	4.2	4.4	4.9	4.4	4.8	South Africa	1.3	1.4	1.3	1.3	1.4
Thailand	4.4	4.7	5.0	4.7	4.7	Poland	1.4	1.3	1.5	1.6	1.6
						United Kingdom	1.9	2.0	1.9	1.9	1.9

<sup>1</sup> Includes other countries not shown separately. <sup>2</sup> Includes data for Taiwan.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States, annual*. Data from Food and Agricultural Organization of the United Nations, Rome, Italy.

## No. 1144. FRESH AND FROZEN FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 to 1986

[Excludes Alaska and Hawaii, except frozen fishery products includes Alaska and Hawaii]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1975	1980	1983 <sup>1</sup>	1984 <sup>2</sup>	1985 <sup>3</sup>	1986 <sup>4</sup>	1975	1980	1983 <sup>1</sup>	1984 <sup>2</sup>	1985 <sup>3</sup>	1986 <sup>4</sup>
fish fillets and steaks <sup>5</sup>	131.9	202.1	230.5	252.9	245.5	266.2	137.6	261.2	362.1	410.4	440.1	538.8
Cod	15.2	31.3	51.3	66.6	57.1	62.7	14.6	43.2	66.3	66.6	69.2	127.2
Flounder	41.9	48.9	50.7	79.0	66.1	60.1	53.1	67.4	137.6	158.9	157.2	166.9
Haddock	8.2	17.2	11.7	8.5	7.5	7.9	12.3	29.0	22.0	18.6	19.0	24.4
Queen perch, Atlantic	8.4	7.1	4.3	2.6	2.4	2.5	5.7	9.3	5.7	3.2	3.3	6.4
Whiting	1	.6	1	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	1	.5	1	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
Rockfish	5.5	14.2	17.3	16.4	18.1	18.6	3.2	12.6	22.1	23.3	25.1	23.9
Pollock, Atlantic	5.7	6.5	11.3	11.3	14.5	18.1	3.6	8.5	11.6	11.4	16.7	20.2
Other	48.9	74.3	53.9	62.7	76.6	94.0	45.3	70.5	94.7	98.4	129.6	169.6
Warm fishery products	298.7	228.3	186.7	186.1	206.2	192.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. <sup>1</sup> Preliminary. <sup>2</sup> Fresh and frozen. <sup>3</sup> Included with "Other."

## No. 1145. CANNED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 to 1986

Data shown are for natural pack only. See also *Historical Statistics, Colonial Times to 1970*, series L 336-357 (production data in cases) and L 356]

PRODUCT	PRODUCTION (mil. lb.)								VALUE (mil. dol.)							
	1975	1980	1981	1982	1983	1984	1985	1986	1975	1980	1981	1982	1983	1984	1985	1986
Total <sup>1</sup>	1,362	1,515	1,476	1,294	1,361	1,411	1,161	1,330	1,067	1,926	1,864	1,499	1,534	1,578	1,360	1,494
Salmon	529	602	627	536	591	614	545	637	653	1,144	1,180	918	859	872	821	862
Other products	78	200	215	112	181	200	159	142	110	376	380	174	306	322	228	265
Salmon <sup>2</sup>	76	77	86	99	102	114	117	116	42	66	72	65	66	95	108	117
Salmon, Maine	10	36	36	36	46	31	15	16	3	12	12	15	17	13	7	7
Salmon, Alaska	26	20	31	16	13	15	20	16	25	32	55	26	20	25	38	28
Salmon, other	12	16	10	6	7	7	4	5	26	60	60	35	41	36	19	23
Salmon, other	3	5	2	1	1	1	1	1	10	19	7	6	6	5	2	2
Salmon, other	6	4	9	6	(NA)	(NA)	4	(NA)	2	1	3	3	(NA)	(NA)	1	(NA)
Salmon, other	2	(x)	(x)	1	1	6	2	3	4	(x)	1	2	2	5	2	4

<sup>1</sup> Not available. <sup>2</sup> Less than 500,000 pounds or \$500,000. <sup>3</sup> Includes other products: not shown separately. <sup>4</sup> Includes Jack and a small amount of Pacific mackerel. <sup>5</sup> Includes oyster specialties.

## No. 1146. PROCESSED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 to 1986

Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362-365, for meal, scrap, and oil]

PRODUCT	PRODUCTION (mil. lb.) <sup>1</sup>						VALUE (mil. dol.)					
	1975	1980	1983	1984	1985	1986, prel.	1975	1980	1983	1984	1985	1986, prel.
Total	(x)	(x)	(x)	(x)	(x)	(x)	2,661	4,942	4,741	5,211	4,896	(NA)
aged fresh and frozen	1,113	1,463	1,345	1,667	1,662	(NA)	1,509	2,567	2,819	3,233	3,242	(NA)
not breaded:												
filets and steaks, raw	132	203	231	245	246	260	138	262	362	365	440	536
breaded	55	40	97	96	132	(NA)	43	56	150	183	236	(NA)
other <sup>2</sup>	26	46	56	56	(NA)	(NA)	22	37	42	46	(NA)	(NA)
breaded, raw or cooked:												
filets	61	111	67	92	96	73	62	69	116	109	111	80
filets, portions, and steaks	296	326	334	325	330	356	211	368	410	407	368	412
other: Not breaded	315	497	418	469	(NA)	(NA)	534	1,302	1,436	1,436	(NA)	(NA)
aged, raw and cooked	126	113	126	116	(NA)	(NA)	220	321	457	414	(NA)	(NA)
clafies, fish and shellfish	60	66	42	269	(NA)	(NA)	79	130	76	231	(NA)	(NA)
all products <sup>3</sup>	1,362	1,816	1,351	1,411	1,161	1,330	1,067	1,926	1,534	1,578	1,360	1,494
fish and shellfish	796	1,010	667	1,042	613	1,009	920	1,782	1,394	1,436	1,269	1,394
meal food	563	506	403	369	246	321	146	146	141	140	91	100
fish <sup>4</sup>	56	66	56	60	66	(NA)	102	175	166	165	148	153
ed (incl. spiced, pickled) <sup>5</sup>	30	43	26	37	32	(NA)	44	85	30	66	60	(NA)
iced	24	22	26	22	25	(NA)	56	66	67	66	66	(NA)
d (cod) ketchup <sup>6</sup>	1	1	3	2	1	(NA)	2	4	6	4	3	(NA)
meal products	(x)	(x)	(x)	(x)	(x)	(x)	173	272	282	234	162	175
meal and scrap (mil. tons)	(x)	(x)	(x)	(x)	(x)	(x)	66	134	130	(NA)	64	63
body and liver	246	313	369	373	285	337	23	56	67	61	42	44
solubles (mil. tons)	(x)	(x)	(x)	(x)	(x)	(x)	9	14	16	15	16	12
meal	(x)	(x)	(x)	(x)	(x)	(x)	67	66	39	(NA)	37	36

Not available. X Not applicable. Z Less than 500,000 tons. <sup>1</sup> Except as indicated. <sup>2</sup> Detail will not add to total. <sup>3</sup> Includes bait and unbreaded portions. <sup>4</sup> Includes salmon eggs for bait. <sup>5</sup> Includes sun-dried and freeze-dried. 1975 dried cod was included in breaded.Source of tables 1144-1146: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery of the United States*, annual, and *Fisheries of the United States*, annual.

## NO. 1147. SUPPLY OF TUNA, SALMON, AND SARDINES: 1970 TO 1986

[In millions of pounds, 1979-86 preliminary]

ITEM	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986
Tuna: Domestic landings, live weight.....	478	570	566	508	500	490	473	586	583	516	557
Imports, fresh and frozen, live weight.....	485	517	570	810	770	770	589	534	497	483	588
Canned tuna, total supply.....	510	582	757	874	866	868	628	713	777	750	873
Canned salmon, for U.S. consumption.....	168	59	118	88	128	152	71	127	151	113	87
Domestic pack.....	183	78	149	149	200	215	112	181	200	159	142
Exports.....	17	23	33	51	74	83	41	54	49	48	39
Imports.....	2	3	(2)	(2)	(2)	(2)	(2)	(2)	1	2	5
Canned sardines, total supply.....	86	57	75	80	71	88	88	48	59	77	88
Imports.....	47	31	49	50	51	55	50	35	45	57	53

2. Less than 500,000 lb. 1 Record.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## NO. 1148. FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series L 227-235]

YEAR	IMPORTS				EXPORTS			
	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)
		Quantity (mil. lb.)	Value (mil. dol.)			Quantity (mil. lb.)	Value (mil. dol.)	
1970.....	1,007	1,873	813	225	118	140	94	34
1975.....	1,837	1,913	1,367	270	306	218	287	37
1980.....	3,948	2,145	2,687	862	1,008	574	804	102
1983.....	5,129	2,367	3,627	1,502	1,021	802	808	114
1984.....	5,883	2,454	3,742	2,141	949	574	842	108
1985.....	6,879	2,754	4,084	2,814	1,084	648	1,010	73
1986, prel.....	7,826	2,979	4,813	2,813	1,359	735	1,290	86

1 Record.

## NO. 1149. SELECTED FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1983 TO 1986

[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-316, for selected imports]

PRODUCT	QUANTITY (mil. lb.)				VALUE (mil. dol.)				Rank of three major foreign sources, 1986
	1983	1984	1985	1986, prel.	1983	1984	1985	1986, prel.	
IMPORTS									
Edible <sup>1</sup> .....	2,366.8	2,464.3	2,754.0	2,978.9	3,826.7	3,742.3	4,884.3	4,913.5	(X)
Fresh or frozen <sup>1</sup> .....	2,051.5	2,057.1	2,229.0	2,423.7	3,211.9	3,261.3	3,481.8	4,150.0	(X)
Halibut <sup>2</sup> .....	6.1	6.1	12.8	11.3	11.2	13.7	22.1	25.2	Canada, Japan, Norway
Salmon <sup>2</sup> .....	14.4	21.1	27.0	40.5	33.4	56.5	75.6	100.7	Norway, Canada, Chile
Tuna .....	505.2	404.2	478.8	563.8	240.0	215.9	288.3	298.9	South Korea, Seychelles, Venezuela
Groundfish fillets, blocks <sup>3</sup> ..	682.6	624.0	639.8	651.0	706.0	631.1	655.3	790.6	Canada, Iceland, Denmark
Other fillets and steaks .....	141.5	165.7	231.0	251.4	168.0	238.3	333.7	418.1	(X)
Scallops (meats) .....	34.3	27.3	42.0	47.9	158.7	117.3	147.1	192.8	Canada, Japan, Peru
Lobster, American and spiny .....	83.8	73.4	77.4	79.3	384.0	435.7	484.9	484.9	Canada, Australia, Brazil
Shrimp and prawn .....	328.3	328.9	342.8	384.3	1,186.0	1,189.9	1,120.7	1,404.9	Mexico, Ecuador, China; Taiwan
Canned <sup>1</sup> .....	257.6	316.4	414.4	438.8	330.4	372.8	485.8	500.4	(X)
Anchovies, in oil .....	3.8	4.8	5.0	5.8	8.1	10.9	11.3	18.5	Spain, Portugal, Morocco
Salmon .....	3	1	1.9	4.8	1.5	1	5.8	13.2	W. Germany, Canada, Japan
Sardines, in oil .....	17.2	17.5	23.0	22.9	21.2	23.4	27.0	28.5	Norway, Portugal, Canada
Sardines and herring <sup>4</sup> .....	23.7	31.5	38.9	38.0	21.5	24.8	30.3	30.4	Peru, Canada, Iceland
Tuna .....	122.3	182.3	213.8	236.8	137.3	167.3	208.1	228.6	Thailand, China; Taiwan, Philippines
Crab meat .....	6.5	6.2	7.6	8.8	20.6	20.0	21.9	24.0	Thailand, Malaysia, Venezuela
Oysters .....	21.6	23.0	28.9	32.1	24.8	26.2	30.2	32.3	Hong Kong, South Korea, Japan
Pickled or salted .....	60.9	61.1	57.1	61.4	56.1	55.5	53.4	62.2	(X)
Cod, haddock, hake, pollock, cusk .....	37.7	38.0	34.7	38.9	42.9	42.3	41.2	49.5	Canada, Norway, Spain
Nonedible scrap and meal .....	135.9	186.9	516.7	378.8	21.8	26.5	61.7	47.2	(X)
EXPORTS									
Canned salmon .....	54.5	49.0	48.2	50.4	97.0	86.8	83.1	101.2	(X)
Fish oil, nonedible .....	484.1	389.4	278.1	182.2	88.8	71.8	38.8	28.8	(X)

X Not applicable. 1 Includes products not shown separately. 2 Excludes fillets. 3 Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting. 4 Not in oil.

Source of tables 1148 and 1149: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.



## Section 25

# Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in sections 27 and 31 of this *Abstract*; data on mining employment may be found in section 13.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook*, published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. See text, section 19 for list of Department of Energy publications.

In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report of the American Iron and Steel Institute*, Washington, DC; *Metals Week* and the monthly *Engineering and Mining Journal*, issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age*, issued weekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and Gas Industry*, conducted jointly by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on workhours, employment, accidents, and injuries in the mineral industries, except petroleum and natural gas. In October 1977, mineral fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

In general, figures shown in the individual commodity tables include data for outlying areas, and therefore not agree with summary table 1154. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of the United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs also be found in *State and Metropolitan Area Data Book 1988*. For cross-references, see Appendix V.



## NO. 1150. SUMMARY OF MINERAL OPERATIONS: 1958 TO 1982

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	Unit	1958	1963	1967	1972	1977	1982
Establishments <sup>1</sup>	Number	36,392	36,651	26,579	25,299	31,369	73,006
With 20 or more employees <sup>1</sup>	Number	6,045	5,499	5,882	5,312	6,632	10,272
Including all operations in manufactures <sup>2</sup>	Number	37,896	40,532	29,888	26,178	31,957	73,349
Excluding oil and gas extraction	Number	19,444	19,290	13,330	11,980	13,520	12,939
Employees, total	1,000	734	816	567	595	799	1,114
Production workers <sup>3</sup>	1,000	595	492	433	443	599	792
All other	1,000	139	134	134	152	200	322
Worker-hours, production workers <sup>3</sup>	Million	1,091	973	892	909	1,183	1,579
Worker-hours per production worker	1,000	1.9	2.0	2.1	2.1	2.0	2.1
Payroll, total	Mill. dol.	3,748	3,743	4,187	6,226	13,167	29,637
Wages, production workers <sup>3</sup>	Mill. dol.	2,623	2,680	2,886	4,250	9,082	18,030
Salaries, all other employees	Mill. dol.	1,125	1,063	1,299	1,976	4,085	10,607
Cost of supplies, etc. <sup>3</sup>	Mill. dol.	7,521	6,974	10,576	14,984	48,079	109,697
Value added in mining	Mill. dol.	13,395	15,910	19,330	29,471	69,013	199,099
Metal mining	Mill. dol.	1,190	1,418	1,557	2,382	3,504	3,215
Coal mining	Mill. dol.	1,780	1,727	2,081	3,754	11,266	18,631
Oil and gas extraction	Mill. dol.	9,039	11,020	13,394	17,812	48,597	199,897
Nonmetallic minerals mining	Mill. dol.	1,382	1,745	2,298	2,723	4,856	9,273
Value of shipments and receipts <sup>4</sup>	Mill. dol.	16,373	18,804	22,784	36,319	96,375	250,000
Capital expenditures	Mill. dol.	2,804	3,264	4,069	5,096	17,716	47,793

<sup>1</sup> Data for 1982 are not comparable to prior years. <sup>2</sup> See footnote 5, table 1153. <sup>3</sup> Includes purchased machinery installed. <sup>4</sup> See footnote 7, table 1153.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977 and 1982*.

## NO. 1151. GROSS NATIONAL PRODUCT IN MINING: 1970 TO 1986

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total mining	18.7	41.3	46.0	50.2	56.5	72.7	107.3	143.7	132.1	119.4	119.4	119.2	95.3
Percent of total gross national product	1.8	2.6	2.6	2.5	2.5	2.9	3.9	4.7	4.2	3.5	3.2	2.9	2.3
Metal mining	1.5	1.6	2.0	1.9	2.2	3.3	3.6	3.9	2.3	2.5	2.2	2.3	2.6
Coal mining	3.0	9.1	9.2	9.6	10.2	11.4	12.9	13.8	15.1	14.3	14.6	14.4	13.8
Oil and gas extraction	12.2	27.4	31.5	34.9	39.6	53.1	64.9	120.8	110.2	95.4	98.4	95.9	73.1
Nonmetallic minerals, exc. fuels	1.9	3.2	3.3	3.8	4.4	4.8	5.6	5.2	4.5	5.1	6.2	6.2	5.9

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-82*, and *Survey of Current Business*, July 1987 issue.

## NO. 1152. MINING AND PRIMARY METAL PRODUCTION INDEXES: 1970 TO 1986

[1977 = 100. See also *Historical Statistics, Colonial Times to 1970*, series M 66-71]

INDUSTRY GROUP	1970	1974	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986
Mining	98.9	98.6	98.6	97.4	103.6	106.4	112.4	117.5	109.3	102.9	111.1	109.9	99.9
Coal	98.2	87.3	93.6	97.7	99.0	111.6	118.4	117.8	119.9	113.3	129.1	126.8	124.2
Anthracite	105.5	112.4	105.7	105.4	85.8	82.0	102.5	92.2	78.0	70.0	70.8	66.6	65.9
Bituminous	87.1	87.0	93.7	97.6	99.1	112.0	116.6	118.0	120.3	113.8	129.7	127.4	124.9
Oil and gas extraction	100.2	99.6	97.3	95.6	104.5	104.2	111.5	117.8	110.9	102.9	109.1	108.2	94.7
Crude oil and natural gas	115.9	107.8	101.9	99.4	102.8	101.6	103.2	102.3	100.1	95.8	99.9	99.5	97.4
Oil and gas drilling	48.7	72.3	82.0	82.4	117.6	119.5	164.1	214.1	178.8	139.9	165.5	147.5	77.7
Metal mining	127.3	112.1	104.6	114.0	107.3	113.4	103.8	113.2	71.4	66.2	77.0	75.0	71.8
Iron ore	162.8	159.5	144.1	143.5	146.5	154.5	125.4	134.9	66.4	68.8	92.1	87.7	70.7
Nonferrous ores	118.3	99.4	92.5	105.0	90.6	95.9	94.6	104.0	73.5	63.7	70.6	69.8	72.7
Copper ore	112.9	105.6	92.9	105.8	89.5	104.8	85.2	110.8	88.6	75.9	78.6	79.4	83.3
Lead and zinc ores	105.7	111.1	104.4	103.6	88.0	83.4	91.7	78.6	66.2	75.9	60.3	66.0	57.8
Primary metals, manufacturing	94.8	110.7	96.2	96.7	107.0	108.5	90.4	96.0	66.6	73.0	82.3	89.6	76.8
Nonferrous metals	82.9	103.6	81.0	93.5	106.1	109.8	86.3	93.7	61.4	66.2	86.3	89.7	89.0
Copper	126.7	109.4	95.7	107.8	106.5	114.5	88.8	108.4	77.3	60.1	80.2	82.1	82.4
Aluminum	67.8	109.0	85.5	93.4	105.8	110.7	112.7	109.1	79.6	61.4	80.3	84.9	73.8
Iron and steel	102.1	114.5	92.0	101.4	107.5	108.0	89.3	92.6	57.5	66.1	73.4	70.4	63.4

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

"N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1977* [M1-12]

MINERAL INDUSTRY	1972			1977			1982						
	Establishments	All employees, payroll <sup>1</sup> (mil. dol.)	Value added in mining <sup>2</sup> (mil. dol.)	Establishments		All employees		Value added in mining <sup>2</sup> (mil. dol.)	Production workers <sup>3</sup>		Value of shipments and receipts <sup>4</sup> (mil. dol.)	Capital expenditures (mil. dol.)	
				Total	With 20 or more employees	Num-ber <sup>5</sup> (1,000)	Pay-roll <sup>6</sup> (mil. dol.)		Num-ber <sup>5</sup> (1,000)	Hours <sup>6</sup> (mil. hours)			Wages <sup>7</sup> (mil. dol.)
All industries	25,260	6,226	26,471	31,388	6,432	799	13,167	68,013	1,114	1,576	168,060	269,000	47,783
Metal mining													
Iron ores	1,014	853	2,262	1,206	328	86	1,485	3,504	66	47	1,222	3,215	1,961
Copper ores	111	218	702	97	61	19	372	1,046	12	7	201	770	63
Lead and zinc ores	181	367	1,026	133	61	33	544	1,067	22	16	429	1,561	423
Gold and silver ores	101	72	200	88	41	7	105	329	4	3	71	201	57
Gold and silver ores	132	30	81	175	20	5	71	161	10	7	181	650	238
Gold ores and placers	81	20	47	126	8	3	40	76	8	10	120	479	205
Silver ores	51	10	14	49	12	2	32	83	3	5	61	171	33
Beauties	10	4	24	12	6	(2)	7	31	(2)	(2)	6	16	8
Ferrous ores, except vanadium	44	40	137	56	17	6	107	256	5	3	66	146	110
Metal mining services	172	31	54	270	42	3	52	112	22	4	42	90	27
Miscellaneous metal ores	263	71	160	375	60	14	227	502	12	8	205	671	240
Anthracite mining	220	36	66	176	43	4	51	123	4	3	67	176	28
Anthracite	213	32	63	156	36	3	49	116	3	3	56	172	28
Anthracite mining services	17	3	6	20	5	(2)	4	7	(2)	(2)	2	6	1
Bituminous coal, lignite mining	3,266	1,743	3,846	8,276	1,860	242	4,120	11,143	246	360	8,196	18,456	3,196
Bituminous coal and lignite	3,191	1,714	3,626	4,944	1,610	235	4,005	10,837	241	370	5,056	18,041	3,141
Coal mining services, n.e.c.	174	29	60	331	80	7	115	306	7	11	132	414	56
Oil and gas extraction	14,486	2,525	17,812	18,447	3,128	348	5,902	48,511	886	888	10,033	158,837	42,318
Crude petroleum and natural gas	7,009	1,375	14,422	8,573	961	140	2,736	36,327	264	214	2,725	126,035	34,281
Natural gas liquids	690	117	1,019	692	209	13	227	3,266	14	24	323	8,865	1,131
Oil and gas field services	6,209	1,033	2,172	9,162	1,838	196	2,936	6,974	406	701	6,965	25,037	6,804
Drilling oil and gas wells	1,907	422	881	2,625	840	79	1,317	3,307	166	296	3,241	11,316	4,206
Oil and gas exploration services	715	89	212	1,252	118	18	220	545	42	73	622	2,307	361
Oil and gas field services, n.e.c.	3,587	522	1,079	5,305	882	99	1,368	3,122	196	332	3,123	11,415	2,207
Nonmetallic minerals mining	6,182	1,070	2,723	8,265	1,443	117	1,809	4,688	116	164	1,530	6,273	1,184
Dimension stone <sup>8</sup>	196	13	28	209	23	2	18	39	2	2	16	50	3
Crushed and broken stone <sup>9</sup>	1,937	358	662	2,055	655	41	543	1,501	37	57	494	1,767	269
Sand and gravel <sup>10</sup>	2,929	322	776	2,807	430	31	416	1,017	26	42	360	1,336	211
Clay and related minerals <sup>11</sup>	309	78	198	256	109	10	136	358	11	16	139	510	107
Chemical and fertilizer minerals	204	203	563	206	112	24	372	1,433	26	36	365	2,237	619
Nonmetallic minerals, services	126	11	20	176	33	2	36	70	2	3	26	70	7
Miscellaneous <sup>12</sup>	459	55	138	548	87	7	67	238	6	10	61	263	37

2. Less than 500 or 500,000. <sup>1</sup> Gross earnings paid to all employees on payroll. <sup>2</sup> Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. <sup>3</sup> Excludes proprietors and firm members of unincorporated concerns. <sup>4</sup> Not comparable to prior years for the crude petroleum and natural gas and mining service industries. <sup>5</sup> Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. <sup>6</sup> Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). <sup>7</sup> Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis. <sup>8</sup> Excludes data for dimension stone quarries operated in conjunction with dressing plants. <sup>9</sup> Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1972, 1977, and 1982*, final industry series reports.

No. 1154. MINERAL PRODUCTION AND VALUE, 1970 TO 1985.

[Data represent production as measured by mine shipments, mine sales, or marketable production]

	MINERAL	PRODUCTION QUANTITY							
		Unit	1970	1983	1981	1988	1983	1984	1986
1	Total mineral production .....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
2	Mineral fuels.....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
3	Coal: Bituminous and lignite.....	Mill. sh. ton.....	603	824	818	834	778	882	879
4	Pennsylvania anthracite .....	Mill. sh. ton.....	10	6	5	5	4	4	5
5	Natural gas (wet).....	Tril. cu. ft.....	21.82	20.18	19.98	18.52	18.82	18.23	17.20
6	Petroleum (crude).....	Mill. bbl. <sup>1</sup> .....	3,517	3,148	3,129	3,157	3,171	3,250	3,274
7	Uranium <sup>2</sup> .....	Mill. lb.....	23.1	43.7	36.5	26.9	21.2	14.9	11.3
8	Nonmetallic minerals .....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
9	Abrasive stone <sup>3</sup> .....	Sh. ton.....	3,056	631	2,501	1,285	1,101	1,290	1,157
10	Asbestos.....	1,000 sh. ton.....	125	88	83	70	77	83	83
11	Asphalt and related bitumens (native) <sup>4</sup> .....	1,000 sh. ton.....	1,981	1,252	1,281	(D)	(D)	(D)	(D)
12	Barite.....	1,000 sh. ton.....	854	2,245	2,849	1,845	754	775	739
13	Boron minerals.....	1,000 sh. ton.....	1,041	1,545	1,481	1,284	1,303	1,367	1,288
14	Bromine.....	Mill. lb.....	350	378	377	401	370	385	320
15	Calcium chloride .....	1,000 sh. ton.....	633	581	705	617	(D)	638	(D)
16	Carbon dioxide, natural (estimate) .....	Mill. cu. ft.....	1,110	1,628	1,577	2,088	-	-	-
17	Cement: Portland.....	Mill. sh. ton.....	73.2	71.8	69.2	81.1	67.2	74.4	74.3
18	Masonry.....	Mill. sh. ton.....	3.0	3.0	2.7	2.4	2.9	3.3	3.2
19	Clays.....	Mill. sh. ton.....	54.9	48.8	44.4	35.3	40.9	43.7	45.0
20	Diatomite.....	1,000 sh. ton.....	598	689	697	613	619	627	635
21	Feldspar.....	1,000 sh. ton.....	726	710	685	815	710	710	700
22	Fluorspar.....	1,000 sh. ton.....	269	93	115	77	61	72	88
23	Garnet (abrasive).....	1,000 sh. ton.....	18.8	28.9	25.5	27.3	29.8	29.8	36.7
24	Gem stones (estimate) .....	(x).....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
25	Gypsum.....	Mill. sh. ton.....	9.4	12.4	11.5	10.5	12.9	14.3	14.7
26	Helium <sup>5</sup> .....	Mill. cu. ft.....	4,600	1,458	1,398	1,248	1,299	1,642	1,988
27	Lime.....	Mill. sh. ton.....	19.7	19.0	18.9	14.1	14.9	15.9	15.7
28	Magnesium compounds <sup>7</sup> .....	1,000 sh. ton.....	708	(D)	(D)	(D)	618	(D)	(D)
28	Mica: Scrap .....	1,000 sh. ton.....	119	116	133	108	140	161	138
30	Peat.....	1,000 sh. ton.....	528	788	757	788	725	814	882
31	Perlite.....	1,000 sh. ton.....	458	638	591	508	474	498	507
32	Phosphate rock.....	Mill. sh. ton.....	38.7	80.0	58.1	41.2	46.9	54.2	58.0
33	Potash <sup>6</sup> .....	1,000 sh. ton.....	2,729	2,444	2,103	1,957	1,680	1,807	1,388
34	Pumice .....	1,000 sh. ton.....	3,038	543	499	416	449	502	508
36	Pyrites.....	1,000 lg. ton.....	(D)	834	734	685	(D)	(D)	(D)
36	Salt (common).....	Mill. sh. ton.....	45.9	40.4	38.9	37.9	34.6	39.2	39.5
37	Sand and gravel .....	Mill. sh. ton.....	944	793	720	621	682	803	830
38	Sodium carbonate (natural).....	1,000 sh. ton.....	2,689	(D)	(D)	(D)	(D)	(D)	(D)
39	Sodium sulfate (natural).....	1,000 sh. ton.....	602	583	608	(D)	423	435	389
40	Stone <sup>8</sup> .....	Mill. sh. ton.....	689	982	874	791	803	957	1,002
41	Sulfur: Frasch mines (shipments).....	1,000 lg. ton.....	6,504	7,283	5,817	3,541	4,046	4,822	4,804
42	Talc, soapstone, pyrophyllite .....	1,000 sh. ton.....	1,028	1,473	1,343	1,135	1,058	1,127	1,289
43	Tricoll.....	1,000 sh. ton.....	88	121	107	113	111	124	(D)
44	Vermiculite .....	1,600 sh. ton.....	285	337	320	316	282	315	314
45	Nonmetallic minerals, undistributed <sup>10</sup> .....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
46	Metals.....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)
47	Antimony ore and concentrate .....	Sh. ton <sup>11</sup> .....	1,130	343	646	503	838	557	(D)
48	Bastille (dried).....	1,000 lg. ton <sup>12</sup> .....	2,082	1,534	1,498	720	685	842	683
49	Copper <sup>3</sup> .....	1,000 sh. ton.....	1,720	1,302	1,698	1,284	1,144	1,215	1,219
50	Gold <sup>3</sup> .....	1,000 fine oz.....	1,743	970	1,379	1,488	2,003	2,085	2,475
51	Iron ore, usable <sup>14</sup> .....	Mill. lg. ton <sup>15</sup> .....	87.2	89.8	72.2	35.8	44.3	(D)	(D)
52	Lead <sup>3</sup> .....	1,000 sh. ton.....	572	607	491	585	495	358	458
53	Manganiferous ore <sup>16</sup> .....	1,000 sh. ton <sup>16</sup> .....	368	174	175	32	34	88	20
54	Mercury.....	76 lb. flask.....	27,298	30,657	27,904	25,780	25,070	19,048	16,530
55	Molybdenum <sup>17</sup> .....	Mill. lb.....	110	149	119	76	48	102	112
56	Nickel <sup>18</sup> .....	1,000 sh. ton.....	15.9	14.7	12.1	3.2	-	14.5	6.1
57	Silver <sup>3</sup> .....	Mill. fine oz.....	45.0	32.3	40.7	40.2	43.4	44.6	39.4
58	Titanium concentrate: ilmenite <sup>3</sup> .....	1,000 sh. ton <sup>15</sup> .....	921	594	524	233	(D)	(D)	(D)
59	Tungsten ore and concentrate .....	1,000 lb. <sup>19</sup> .....	9,312	6,036	7,815	3,473	2,240	2,586	2,167
60	Vanadium <sup>3</sup> .....	Sh. ton.....	5,319	4,608	5,126	4,098	2,171	1,617	(D)
61	Zinc mine production <sup>3</sup> .....	1,000 sh. ton.....	534	350	344	334	303	279	250
62	Metals, undistributed <sup>10</sup> .....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable.  
<sup>1</sup> 42 gal. bbl. <sup>2</sup> Recoverable content of ores, etc. <sup>3</sup> Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. <sup>4</sup> Contains bituminous limestone and sandstone, and gilsonite. <sup>5</sup> Value included in "Nonmetallic minerals, undistributed."  
<sup>6</sup> 1970-1981, crude and refined; 1982-1985, refined only. <sup>7</sup> From sea water and brines, except for metals (M<sub>2</sub>O equiv.).  
<sup>8</sup> K<sub>2</sub>O equivalent; represents sales by producers. <sup>9</sup> Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

## AND PRINCIPAL PRODUCING STATES, 1985

(including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13-37 for selected values)

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, 1985	
1970	1980	1981	1982	1983	1984	1985		
28,288.7	146,750.0	187,187.0	179,082.0	168,868.0	178,181.1	158,888.8	(x)	1
18,808.0	121,818.0	161,898.0	158,398.0	147,748.0	158,030.1	143,578.8	(x)	2
3,770.0	20,200.0	21,510.0	22,820.0	20,110.0	22,748.8	22,050.0	KY, WY, WV, PA, IL	3
110.0	280.0	240.0	230.0	210.0	202.5	190.0	PA	4
3,730.0	32,090.0	39,610.0	45,580.0	43,570.0	48,491.8	42,580.0	TX, LA, OK, NM	5
11,190.0	67,930.0	80,030.0	80,030.0	83,060.0	84,100.0	78,400.0	TX, AK, LA, CA	6
(NA)	1,138.0	1,238.0	955.0	808.0	488.0	358.8	WY, NM, TX	7
5,781.2	18,213.8	18,448.8	14,180.0	15,283.0	17,187.0	17,812.0	(x)	8
.8	1.9	1.1	.8	.5	.8	.5	AR, WI, OH	9
10.7	30.6	30.7	24.8	27.8	24.2	20.5	CA and VT	10
8.9	25.0	27.7	(D)	(B)	(B)	(B)	TX and UT	11
12.8	88.0	102.4	89.5	29.2	26.4	21.5	NV, GA, MO, MT	12
88.8	388.8	438.4	384.8	438.2	458.7	404.8	CA	13
80.8	96.4	90.2	102.8	91.0	95.0	80.0	AR and MI	14
15.2	47.8	61.7	81.5	(F)	83.0	(F)	MI, CA, WA	15
.2	2.8	2.8	3.4	-	-	-	(D)	16
1,288.7	3,813.3	3,515.8	3,084.4	3,315.7	3,810.4	3,817.3	TX, CA, PA, MI	17
87.8	188.8	181.8	145.2	188.2	219.9	213.1	GA, TX, NC, WY	18
267.8	898.9	988.8	825.1	931.1	1,032.1	1,011.4	CA, NY, WA, OR	19
32.8	100.8	113.0	107.8	114.3	120.8	127.0	NC, CT, GA, CA	20
8.8	23.2	21.0	20.3	22.5	23.5	22.8	IL, NV, TX	21
13.8	12.8	18.4	13.3	10.8	(B)	(B)	ID, ME, NY	22
1.8	1.8	2.1	2.3	2.5	2.6	3.0	(x)	23
2.4	8.9	7.8	7.2	7.4	7.5	7.4	TX, MI, IA, OK	24
35.1	103.1	98.1	89.1	101.4	113.7	114.2	KS, TX, NM	25
84.2	30.2	33.9	42.4	45.5	61.8	88.9	OH, KY, MO, PA	26
288.2	842.8	884.2	888.2	757.8	811.2	808.0	MI, CA, UT, DE	27
82.4	(F)	(B)	(B)	182.5	(F)	(F)	NC, NM, SC, GA	28
2.5	6.3	8.2	6.4	6.5	7.1	8.3	MI, FL, IN, IL	29
6.0	18.2	18.8	16.8	18.7	19.9	21.9	NM, CA, AZ, NY	30
4.9	18.5	17.5	18.0	15.7	16.8	17.2	FL, NC, ID, TN	31
203.2	1,258.8	1,438.0	950.3	1,021.1	1,182.2	1,203.3	NM, UT, CA	32
88.1	353.8	328.8	285.8	220.8	241.8	178.4	OR, NM, CA, ID	33
4.7	4.3	4.3	3.8	4.5	4.9	4.8	TN, CO, AZ	34
(B)	13.8	49.2	41.8	(B)	(B)	(B)	LA, TX, NY, OH	35
304.8	858.2	837.8	671.4	597.1	675.1	741.8	CA, TX, MI, AZ	36
,115.7	2,289.0	2,280.3	1,987.8	2,270.2	2,821.2	2,812.1	WY and CA	37
88.3	(B)	(B)	(B)	(B)	(B)	(B)	CA, TX, UT	38
10.9	38.4	43.2	(B)	38.4	40.1	35.9	TX, FL, PA, GA	39
474.9	3,383.5	3,278.4	3,056.0	3,474.8	3,910.5	4,224.7	TX and LA	40
181.8	720.5	715.7	434.7	414.2	548.1	573.8	MT, TX, VT, NY	41
7.8	25.8	31.5	20.7	20.3	23.2	29.2	IL and OK	42
.5	7	.8	7	7	7	(B)	MT, SC, VA	43
8.5	23.5	28.2	28.5	27.2	31.5	32.4	(x)	44
34.4	941.2	984.1	958.9	887.5	837.9	1,007.9	(x)	45
778.8	8,821.0	8,842.0	5,517.0	5,887.0	8,004.0	5,821.0	(x)	46
(B)	(B)	(B)	(B)	(B)	(B)	(B)	ID	47
30.1	22.4	28.5	12.3	11.3	15.8	12.9	AR and AL	48
184.6	2,886.9	2,886.4	1,840.9	1,751.8	1,825.1	1,832.5	AZ, NM, UT, MT	49
83.4	584.1	833.9	561.0	848.1	751.8	786.3	NV, SD, CA, MT	50
141.7	2,543.5	2,914.7	1,491.7	1,938.5	(B)	(B)	MN, MI, MO, TX	51
78.8	515.2	358.8	288.8	214.7	181.7	174.0	MO, ID, CO, NY	52
(B)	2.4	2.8	3	.2	.9	(B)	SC	53
11.1	11.9	11.8	(B)	(B)	(B)	(B)	NV	54
80.1	1,344.2	945.5	504.1	188.6	328.8	347.8	CO, AZ, ID, NM	55
(B)	(B)	(B)	(B)	-	(B)	(B)	OR	56
79.7	887.3	427.9	320.0	488.9	383.0	241.7	ID, NV, AZ, MT	57
18.6	32.0	37.0	19.1	(B)	(B)	(B)	FL	58
23.8	50.6	82.2	22.1	10.5	13.4	8.1	CA and CO	59
34.9	84.4	71.5	52.8	30.7	24.8	(B)	ID and AR	60
83.7	281.7	308.9	257.1	251.2	270.8	201.6	TN, MO, NY, NJ	61
58.4	144.8	156.2	157.6	135.8	2,430.4	2,214.9	(x)	62

Comprises value of items that cannot be disclosed. <sup>11</sup> Antimony content. <sup>12</sup> Included with "Metals, undistributed." Dried equivalent. <sup>14</sup> Represents shipments; beginning 1978, includes byproduct ores. <sup>15</sup> Gross weight. <sup>16</sup> 5 to 35 wt. manganiferous ore. <sup>17</sup> Content of concentrate. <sup>18</sup> Content of ore and concentrate. <sup>19</sup> Tungsten content.

Source: U.S. Bureau of Mines, *Minerals Yearbook*. Beginning 1980 for mineral fuels, U.S. Energy Information Administration, *Energy Review*.

## NO. 1185. MINERAL INDUSTRIES—STATES: 1972 TO 1982

[Represents establishments classified in the mineral industries only. Excludes data for stone, sand and gravel, clay and gypsum mines operated as parts of manufacturing establishments. See headnote, table 1153. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	1972		1977		1982				
	All employees (1,000)	Value added in mining (mil. dol.)	All employees (1,000)	Value added in mining (mil. dol.)	Establishments		All employees		Value added in mining (mil. dol.)
					Total	With 20 employees or more	Number (1,000)	Payroll (mil. dol.)	
United States <sup>1</sup>	886.1	28,471	798.8	68,018	73,006	10,272	1,114.8	26,837	188,088
Regions									
Northeast	56.7	1,155	65.6	2,576	3,004	550	63.8	1,606	3,538
Midwest	97.8	2,983	117.1	12,583	12,583	1,151	135.3	3,405	14,352
South	320.3	17,117	449.3	45,081	45,577	6,581	661.3	17,105	119,231
West	120.4	5,215	163.6	13,588	11,780	1,988	228.4	8,267	48,028
New England	3.8	76	3.8	89	338	66	4.4	119	188
Maine	.3	6	.3	6	28	1	.1	2	5
New Hampshire	.2	6	.2	6	26	3	.3	7	17
Vermont	.8	14	.7	25	46	12	.8	15	36
Massachusetts	1.6	28	1.3	32	118	13	1.1	28	54
Rhode Island	.1	4	.1	5	11	2	.2	3	7
Connecticut	.7	18	1.2	24	96	24	1.8	68	47
Middle Atlantic	52.8	1,078	61.8	2,477	2,888	496	66.2	1,487	3,472
New York	7.7	154	7.1	218	588	70	7.8	205	415
New Jersey	3.3	78	3.0	83	185	40	3.4	102	120
Pennsylvania	41.8	847	51.7	2,165	1,905	385	48.0	1,180	2,937
East North Central	96.8	1,882	76.7	3,782	5,738	867	83.1	2,137	7,875
Ohio	20.1	465	27.6	1,181	2,186	255	28.9	708	2,325
Indiana	6.3	211	8.4	382	711	98	10.3	289	786
Illinois	20.5	546	25.6	1,163	1,882	199	31.3	845	2,544
Michigan	11.4	308	11.3	838	941	81	10.7	277	1,935
Wisconsin	2.6	64	2.6	67	111	24	1.9	111	86
West North Central	36.8	1,381	41.4	2,783	6,945	484	52.2	1,388	6,877
Minnesota	11.7	488	11.5	889	170	35	8.2	248	588
Iowa	2.5	53	2.9	88	216	26	2.1	36	104
Missouri	8.9	216	8.1	388	384	86	7.8	198	111
North Dakota	1.5	64	2.5	325	1,037	103	8.5	226	1,988
South Dakota	1.8	32	2.4	68	143	9	2.3	50	116
Nebraska	1.5	40	1.8	73	434	24	2.3	47	111
Kansas	8.9	486	12.2	1,134	4,451	222	19.9	481	3,186
South Atlantic	82.4	2,174	117.8	5,408	4,838	1,048	113.9	2,737	8,867
Delaware					34	3	.2	6	2
District of Columbia	2.2	56	2.3	79	141	30	2.6	59	111
Maryland									
Virginia	16.8	380	23.2	1,016	916	279	24.4	533	1,467
West Virginia	53.0	1,186	68.6	2,820	2,104	502	63.1	1,467	4,790
North Carolina	3.3	71	3.7	111	179	60	4.0	98	198
South Carolina	1.5	34	1.5	47	79	28	1.6	24	72
Georgia	6.6	158	7.4	284	210	73	7.8	142	430
Florida	9.0	288	9.9	1,038	376	76	10.5	216	1,880
East South Central	61.8	1,428	77.0	4,187	4,884	877	68.7	2,146	8,388
Kentucky	30.2	780	47.8	2,515	2,138	530	54.2	1,372	4,142
Tennessee	7.3	152	9.1	378	555	117	9.0	186	488
Alabama	8.8	264	14.1	787	588	115	15.9	375	1,880
Mississippi	5.6	232	8.0	507	1,374	115	8.6	213	1,785
West South Central	178.0	13,516	254.7	35,488	38,874	4,885	478.7	12,232	101,888
Arkansas	3.7	142	4.7	385	882	58	5.4	115	1,015
Louisiana	48.6	5,529	63.1	11,981	5,806	974	102.4	2,604	33,117
Oklahoma	26.9	1,133	43.5	3,418	9,144	1,088	104.1	2,687	13,274
Texas	95.8	6,711	143.4	18,674	21,262	2,568	268.8	8,736	54,453
Mountain	85.3	2,367	118.9	5,868	1,111	1,216	188.8	4,388	21,888
Montana	5.6	188	5.9	500	1,148	87	8.5	214	1,885
Idaho	2.8	51	3.3	144	191	30	3.1	67	300
Wyoming	11.5	679	22.7	2,282	2,101	323	34.2	1,111	6,868
Colorado	13.5	409	22.7	1,179	2,424	389	45.8	1,320	1,111
New Mexico	18.2	958	23.6	2,688	1,581	248	28.8	680	7,127
Arizona	21.1	625	21.0	781	291	54	16.8	427	748
Utah	11.4	372	16.7	911	788	121	17.5	487	1,885
Nevada	3.2	104	4.1	152	334	53	6.6	155	488
Pacific		1,848	43.7	4,820	2,802	633	68.5	2,088	26,188
Washington	1.9	48	2.0	85	242	21	2.8	67	182
Oregon	1.3	38	1.3	59	216	18	1.8	37	80
California	29.0	1,401	34.8	3,562	2,188	481	51.3	1,488	11,844
Alaska	2.8	354	5.5	1,216	238	11	13.4	525	14,088
Hawaii	.3	8	.1	8	12	4	.2	4	10

<sup>1</sup> Includes offshore areas not associated with a State.

Source: U.S. Bureau of the Census, Census of Mineral Industries, 1977, General Summary, MNC 77-59-1 and 1982 final geographic area series.

**155. MINERAL PRODUCTION—VALUE, 1980 TO 1985, AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1985, BY STATE**

**Units of dollars.** Data for States may not add to total because State and U.S. totals were independently derived. For composition of regions, see fig. inside front cover

MINERAL, AND SITE	1980	1982	1983	1984	1985			
					Total	Fuels	Non- fuels	Principal minerals in order of value
	146,750	179,062	166,866	179,191	196,809	143,755	22,232	Petroleum, natural gas (wet), coal.
	4,710	4,697	4,476	5,131	5,007	3,043	1,964	(x)
	16,266	16,877	17,128	18,842	17,667	11,660	6,007	(x)
	78,072	109,004	(D)	(D)	(D)	(D)	7,875	(x)
	39,262	47,339	(D)	(D)	(D)	(D)	7,270	(x)
	268	268	262	306	326	-	326	(x)
	37	36	26	36	41	-	41	Sand and gravel, cement, stone.
	25	23	19	23	33	-	33	Sand and gravel, stone, clays.
	43	50	42	45	50	-	50	Stone, sand and gravel, talc.
	91	89	96	107	117	-	117	Stone, sand and gravel, lime.
	6	5	6	12	12	-	12	Stone, sand and gravel, gem stones.
	66	56	71	60	72	-	72	Stone, sand and gravel, feldspar.
	4,442	4,441	4,214	4,836	4,662	1,043	1,839	(x)
	557	589	603	736	790	133	657	Stone, cement, salt.
	149	132	155	156	176	-	176	Stone, sand and gravel, zinc.
	3,736	3,720	3,456	3,934	3,714	2,910	804	Coal, natural gas, stone.
	9,806	9,268	9,146	10,423	9,836	6,993	2,843	(x)
	2,390	2,444	2,511	2,867	2,746	2,139	607	Coal, natural gas, petroleum.
	1,106	1,174	1,187	1,391	1,327	1,024	303	Coal, petroleum, cement.
	2,770	3,009	2,929	3,212	3,101	2,641	460	Coal, petroleum, stone.
	2,587	2,529	2,417	2,824	2,537	1,189	1,348	Petroleum, iron ore, natural gas.
	152	112	101	129	125	-	125	Sand and gravel, stone, lime.
	7,261	7,809	7,663	8,426	7,831	4,967	3,164	(x)
	1,782	1,110	1,455	1,676	1,549	-	1,549	Iron ore, sand and gravel, stone.
	265	231	257	266	243	15	228	Stone, cement, sand and gravel.
	1,172	877	666	906	893	158	735	Cement, stone, lead.
	601	1,807	1,842	1,667	1,700	1,676	24	Petroleum, coal, natural gas.
	250	180	261	244	254	47	207	Gold, petroleum, cement.
	272	293	263	266	263	183	100	Petroleum, cement, sand and gravel.
	2,740	3,111	3,018	3,161	2,910	2,566	322	Petroleum, natural gas, cement.
	10,626	10,719	(D)	(D)	10,660	6,816	3,962	(x)
	2	3	3	3	4	-	4	Magnesium compounds, sand and gravel, greensand.
	293	294	285	356	336	80	256	Stone, cement, coal.
	1,708	1,640	1,405	1,614	1,649	1,268	381	Coal, stone, cement.
	4,060	5,490	4,677	5,167	5,005	4,800	105	Coal, natural gas, petroleum.
	380	299	399	451	433	-	433	Stone, phosphate, lithium.
	195	196	231	279	276	-	276	Cement, stone, clays.
	771	718	(D)	(D)	946	-	946	Clays, stone, cement.
	2,917	2,079	1,704	1,990	1,929	370	1,559	Phosphate, petroleum, stone.
	8,316	8,862	8,759	9,790	9,486	6,237	1,249	(x)
	4,496	5,029	4,310	4,991	4,680	4,612	268	Coal, petroleum, natural gas.
	674	636	639	734	715	243	472	Coal, stone, zinc.
	1,994	2,336	2,306	2,531	2,550	2,144	406	Coal, petroleum, natural gas.
	1,150	1,667	1,504	1,534	1,341	1,238	103	Petroleum, natural gas, sand and gravel.
	68,328	68,684	(D)	(D)	(D)	(D)	2,784	(x)
	787	1,069	(D)	(D)	(D)	(D)	257	Natural gas, petroleum, bromine.
	16,396	31,364	29,063	31,715	(D)	(D)	522	Petroleum, natural gas, sulfur.
	7,336	10,782	9,942	10,693	9,361	9,109	252	Natural gas, petroleum, coal.
	34,710	45,379	42,515	43,418	40,178	36,445	1,733	Petroleum, natural gas, cement.
	18,862	(D)	(D)	(D)	(D)	(D)	4,866	(x)
	1,331	1,732	1,671	1,660	1,517	1,317	200	Petroleum, coal, natural gas.
	522	300	415	412	348	-	348	Silver, phosphate, molybdenum.
	5,133	6,885	6,677	7,143	6,572	6,020	552	Petroleum, coal, natural gas.
	2,544	2,676	2,117	2,255	2,125	1,717	408	Petroleum, natural gas, coal.
	4,789	5,517	5,487	5,924	5,860	4,993	657	Natural gas, petroleum, coal.
	2,476	(D)	(D)	(D)	(D)	(D)	1,550	Copper, sand and gravel, cement.
	1,661	2,090	2,036	2,134	1,943	1,631	312	Petroleum, coal, natural gas.
	408	547	629	685	710	79	831	Gold, petroleum, distonite.
	20,400	(D)	(D)	(D)	(D)	(D)	2,612	(x)
	207	(D)	(D)	(D)	(D)	(D)	244	Cement, sand and gravel, gold.
	152	106	111	126	140	10	130	Stone, sand and gravel, cement.
	10,483	12,626	11,979	12,907	(D)	(D)	2,095	Petroleum, natural gas, cement.
	9,498	(D)	(D)	(D)	(D)	(D)	90	Petroleum, natural gas, sand and gravel.
	60	47	52	51	53	-	63	Stone, cement, sand and gravel.

Report zero. ☐ Withheld to avoid disclosing individual company data. ☒ Not applicable.

U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.



## NO. 1157. MINERAL INDUSTRIES—GROSS ASSETS AND CAPITAL EXPENDITURES: 1972 TO 1982

(In millions of dollars)

INDUSTRY AND YEAR	END OF YEAR GROSS VALUE OF DEPRECIABLE ASSETS					CAPITAL EXPENDITURES					
	Total <sup>1</sup>	Build- ings and other struc- tures	Ma- chinery and equip- ment	Mineral explora- tion and develop- ment <sup>2</sup>	Mineral land and rights <sup>3</sup>	Total <sup>1</sup>	New build- ings and other struc- tures	New ma- chinery and equip- ment	Used build- ings and other struc- tures	Used ma- chinery and equip- ment	Mineral explora- tion and develop- ment <sup>2</sup>
Mineral industries: <sup>4</sup>											
1972.....	21,800	4,244	15,036	( <sup>5</sup> )	* 2,409	2,802	317	1,407	( <sup>5</sup> )	* 129	230
1977.....	44,864	8,098	33,089	2,825	2,871	8,802	786	5,088	30	386	589
1982.....	94,813	10,228	73,419	5,036	5,830	13,472	1,229	10,551	78	837	877
Crude petroleum, natural gas:											
1972.....	47,500	(NA)	(NA)	(NA)	(NA)	2,954	403	642	( <sup>5</sup> )	* 44	1,888
1977.....	84,414	(NA)	(NA)	(NA)	(NA)	10,918	571	2,288	14	89	7,888
1982.....	233,052	(NA)	(NA)	(NA)	(NA)	34,251	1,957	5,550	20	215	28,529

NA: Not available. <sup>1</sup> Excludes data for mineral exploration and development, and mineral land and rights portions for mining service industries and natural gas liquids industry. <sup>2</sup> Excludes data for mineral exploration and development portion for mining service industries and natural gas liquids industry. <sup>3</sup> Excludes crude petroleum and natural gas. <sup>4</sup> Not collected separately. Data for mineral exploration and development are combined with mineral land and rights. Data for used buildings and other structures are combined with used machinery and equipment.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1982*.

## NO. 1158. MINERAL INDUSTRIES—EMPLOYMENT, HOURS, AND EARNINGS: 1983 TO 1986

ITEM	Unit	1983	1984	1985	1986	ITEM	Unit	1983	1984	1985	1986
All mining:						Oil and gas extraction—					
All employees.....	1,000.....	952	986	927	783	Con.					
Production workers.....	1,000.....	673	686	658	550	Production workers—Con.					
Avg. weekly hours.....	No.....	42.5	43.3	43.4	42.2	Metal mining:					
Avg. weekly earnings.....	Dol.....	479	504	520	525	All employees.....	1,000.....	66	65	46	41
Coal mining:						Production workers.....	1,000.....	41	40	34	31
All employees.....	1,000.....	194	186	187	176	Average weekly hours.....	No.....	39.3	40.5	40.9	41.1
Production workers.....	1,000.....	156	156	153	144	Avg. weekly earnings.....	Dol.....	494	529	547	549
Average weekly hours.....	No.....	40.0	40.8	41.3	40.8	Nonmetallic minerals,					
Avg. weekly earnings.....	Dol.....	548	603	626	625	except fuels:					
Oil and gas extraction:						All employees.....	1,000.....	104	109	110	109
All employees.....	1,000.....	598	607	583	457	Production workers.....	1,000.....	79	82	84	83
Production workers.....	1,000.....	398	405	387	293	Average weekly hours.....	No.....	43.6	44.7	44.5	44.4
Average weekly hours.....	No.....	43.6	44.4	44.2	42.6	Avg. weekly earnings.....	Dol.....	406	441	453	461
Avg. weekly earnings.....	Dol.....	465	476	489	494						

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1909-1984, and Supplement to Employment and Earnings, Revised Establishment Data, July 1987*.

## NO. 1159. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1970 TO 1986

(Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1870*, series M 98, M 130, M 209, M 249, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively)

YEAR	Tan- talu- m (dol. per lb.) <sup>1</sup>	Copper, electro- lytic <sup>2</sup> (cents per lb.)	Plati- num <sup>3</sup> (dol./ troy oz.)	Gold (dol./ fine oz.)	Silver (dol./ fine oz.)	Lead <sup>4</sup> (cents per lb.)	Tin (New York) <sup>5</sup> (cents per lb.)	Zinc <sup>6</sup> (cents per lb.)	Sulfur, crude <sup>7</sup> (dol./ long ton)	Bitumi- nous coal <sup>8</sup> (dol./ short ton)	Crude petro- leum <sup>9</sup> (dol./ bbl.)	Natural gas <sup>10</sup> (dol./ thous. cu. ft.)
1970.....	9.15	58.2	133	36	1.77	15.7	174.2	15.3	22.77	6.28	3.18	.17
1975.....	18.32	64.2	164	161	4.42	21.5	339.8	39.0	44.91	19.23	1.87	.46
1976.....	20.31	66.9	162	125	4.35	23.1	379.8	37.1	45.72	19.43	8.19	.59
1977.....	25.64	66.8	162	148	4.62	30.7	534.6	34.4	44.36	19.82	8.57	.79
1978.....	34.19	68.5	237	194	5.40	38.1	629.6	31.0	* 45.17	21.76	9.00	.91
1979.....	80.00	83.3	352	308	11.09	52.6	783.9	37.3	* 55.75	23.65	12.64	1.19
1980.....	103.50	101.3	436	613	20.63	42.5	846.0	37.4	* 89.06	24.52	21.59	1.99
1981.....	81.50	64.2	475	480	10.52	36.5	733.0	44.8	* 111.46	26.29	31.77	1.99
1982.....	40.91	72.8	475	376	7.95	25.5	654.0	36.5	* 100.07	27.14	28.52	2.46
1983.....	25.06	76.5	475	424	11.44	21.7	655.0	41.4	* 87.24	25.85	26.19	2.99
1984.....	30.66	66.8	475	361	8.14	25.8	623.8	48.6	* 94.31	25.51	25.88	2.68
1985.....	27.56	67.9	475	318	8.14	19.1	595.9	40.4	* 106.46	25.10	24.06	2.51
1986, prei.....	19.00	66.1	519	396	5.47	22.1	399.9	38.0	* 105.22	24.50	12.98	1.97

NA: Not available. <sup>1</sup> Dollars per pound of tantalum content. <sup>2</sup> Domestic market. <sup>3</sup> Average annual producer price. <sup>4</sup> 1970, New York prices; beginning 1975, nationwide delivered basis. <sup>5</sup> Straits tin through 1975; thereafter, composite price. <sup>6</sup> Prime western. Beginning 1975, delivered price. <sup>7</sup> F.O.B. works. <sup>8</sup> Average value at the point of production. Source: U.S. Energy Information Administration, *Annual Energy Review*. <sup>9</sup> Per metric ton.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Facts and Problems*, 1986 edition, and *Mineral Commodity Summaries*, annual.

# 100. PRINCIPAL FUELS, NONMETALS, AND METALS—U.S. PRODUCTION AS PERCENT OF WORLD PRODUCTION: 1970 TO 1985

MINERAL	Unit	WORLD PRODUCTION						PERCENT U.S. OF WORLD					
		1970	1980	1982	1983	1984	1985, prel.	1970	1980	1982	1983	1984	1985, prel.
oil (crude)	Bill. sh. ton	3.3	4.2	4.4	4.4	4.6	4.8	18	20	18	18	19	18
oil (refined)	Bill. bbl.	16.7	21.8	19.4	19.3	19.7	19.3	21	14	16	16	16	17
gas (dry, marketable)	Tril. cu. ft.	37.7	53.3	54.2	54.5	59.3	61.2	58	36	33	29	29	27
gas plant liquids	Bill. bbl.	(NA)	1.3	1.4	1.4	1.6	1.6	(NA)	44	41	40	37	36
coal	Mill. metric ton	3.5	4.7	4.1	4.3	4.1	4.1	3	2	2	2	1	1
oil shale	Mill. sh. ton	4.3	8.3	6.3	6.0	6.4	6.7	20	27	22	13	12	11
bituminous	Mill. sh. ton	2.8	3.5	3.7	4.1	4.2	4.3	26	20	16	17	17	16
subbituminous	Mill. sh. ton	4.6	5.3	4.7	4.7	5.3	5.3	4	2	2	1	1	1
lignite	Mill. sh. ton	58.9	66.5	79.0	66.4	66.8	66.2	17	14	13	15	17	17
nonferrous metal scrap	1,000 sh. ton	180	251	237	264	304	269	66	46	45	53	53	51
iron, agricultural <sup>1</sup>	Mill. sh. ton	33.4	81.4	83.8	85.4	93.0	94.3	25	20	16	13	14	14
iron ore	Mill. metric ton	65	139	122	139	152	151	41	39	31	31	32	34
iron (K <sub>2</sub> O equiv.)	Mill. metric ton	18.2	27.9	24.7	27.4	29.3	28.6	14	8	7	5	5	5
chromium elemental	Mill. metric ton	41.9	54.9	50.8	50.3	52.6	54.9	23	22	19	16	20	21
nickel base:													
nickel	Mill. metric ton	57.8	69.2	77.8	78.9	88.2	85.1	4	2	1	1	1	1
nickel-ferrous concentrates (gross weight)	Mill. lb.	46.1	60.7	56.3	48.9	76.6	63.9	-	(NA)	(NA)	-	-	-
nickel	Mill. metric ton	6.0	7.7	8.1	7.7	8.0	8.1	26	15	14	13	14	14
nickel	Mill. troy oz.	47.5	39.2	43.1	44.9	48.4	46.2	4	2	3	4	4	5
nickel	Mill. lg. ton	754	877	789	724	817	845	12	8	5	5	6	6
nickel	Mill. metric ton	3.4	3.4	3.4	3.4	3.3	3.4	15	16	15	14	10	12
nickel	1,000 flask <sup>4</sup>	264	197	196	181	195	196	10	16	13	14	10	9
chromium <sup>2</sup>	Mill. lb.	161	242	207	140	215	215	61	62	41	24	48	50
chromium	1,000 sh. ton	699	856	706	723	833	857	2	2	(2)	-	2	1
chromium	Mill. troy oz.	301	344	384	362	415	412	15	9	10	11	11	10
vanadium concentrates:													
vanadium	Mill. sh. ton	4.0	4.1	3.3	3.0	3.4	3.7	23	14	6	(NA)	(NA)	(NA)
vanadium	Mill. lb.	71.4	114.4	98.9	89.9	102.5	103.8	13	5	3	2	3	2
vanadium oxide (V <sub>2</sub> O <sub>5</sub> ) <sup>3</sup>	1,000 sh. ton	24	(NA)	(NA)	(NA)	(NA)	(NA)	53	(NA)	(NA)	(NA)	(NA)	(NA)
vanadium	1,000 sh. ton	19.9	39.3	35.9	30.9	34.3	39.7	26	13	11	7	5	(NA)
vanadium	Mill. metric ton	5.5	6.0	6.2	6.2	6.6	6.7	9	5	5	5	4	4
zirconium base:													
zirconium	Mill. sh. ton	10.6	16.9	14.8	13.9	17.3	16.9	37	30	24	24	26	23
zirconium	Mill. lb.	36.5	40.2	36.3	36.9	42.3	41.1	26	9	6	6	9	9
zirconium	Mill. metric ton	6.1	7.9	6.3	6.1	6.3	6.3	24	13	12	12	14	14
zirconium (incl. ferroalloys)	Mill. sh. ton	474	565	502	511	546	555	10	12	9	10	10	9
zirconium	Mill. metric ton	3.3	5.4	5.3	5.3	5.5	5.6	18	23	21	19	20	20
zirconium	1,000 sh. ton	242	346	273	286	360	361	46	49	37	40	44	42
zirconium and castings	Mill. sh. ton	655	787	707	730	782	788	20	14	11	12	12	11
zirconium	1,000 m. ton <sup>4</sup>	227	249	239	212	200	194	(NA)	1	1	1	2	2
zirconium	Mill. metric ton	4.6	6.0	5.9	6.2	6.5	6.6	18	6	5	5	5	5

residuals zero. NA Not available. 2 Less than .5 percent. 3 Source: Beginning 1980, Energy Information Administration, *International Energy Annual*. 4 For fiscal years ending in year shown; see text, section 9. U.S. production includes Puerto Rico. 5 Content of ore and concentrates. 6 76-lb. flask. 7 Excludes Soviet Union. 8 Metric tons.

Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

## NO. 1161. FEDERAL STRATEGIC AND CRITICAL MATERIALS INVENTORY: 1980 TO 1986

NO. 91. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be at time of sale.

MATERIAL	Unit	QUANTITY <sup>1</sup>					VALUE (mil. dol.)				
		1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
aluminum	1,000 lg. ton	200	186	186	185	181	3,156	2,550	2,335	2,324	1,024
aluminum	1,000 troy oz.	139,500	137,506	136,506	136,006	130,006	2,266	1,851	996	801	730
aluminum	Mill. lb.	41	46	48	53	53	583	575	506	590	600
aluminum	1,000 lg. ton	14,333	15,958	16,954	17,957	18,031	583	775	779	871	886
aluminum	1,000 sh. ton	3,495	4,447	4,361	4,470	4,284	540	509	506	520	522
aluminum	Mill. lb.	62	62	66	67	66	533	485	505	389	260
aluminum	1,000 sh. ton	376	378	378	378	376	313	351	343	288	347
aluminum	1,000 sh. ton	21	32	32	37	37	301	353	386	405	278
aluminum	1,000 troy oz.	440	453	453	453	453	209	194	147	154	270
aluminum	1,000 sh. ton	763	784	784	834	683	747	728	796	836	670
boron	Carat	19,224	15,536	14,047	12,549	11,049	349	379	357	336	315
boron	Carat	23,693	22,193	22,001	22,001	22,001	73	39	39	39	39

of stockpile and nonstockpile grades and reflects uncommitted balances. 2 Consists of abrasive grade, metallic base, metallic grade Surinam, and refractory. 3 Consists of chemical grade, diatomic battery natural, diatomic battery electrolytic, ferro-high carbon, ferro-med. carbon, ferro-silicon, and metal. 4 Consists of carbide powder, ferro, metal ores and concentrates. 5 Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (AP-3).

### NO. 1162. SELECTED MINERAL AND METAL PRODUCTS—QUANTITY AND VALUE OF IMPORTS AND EXPORTS: 1980 TO 1985

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

PRODUCT	QUANTITY						VALUE (mil. dol.)				
	Unit	1980	1982	1983	1984	1985	1980	1982	1983	1984	1985
IMPORTS											
Petroleum (crude) <sup>1</sup>	Mil. bbl	1,975	1,417	1,263	1,317	1,625	61,889	45,724	36,492	37,656	22,828
Gem stones: Diamonds	Mil. carat	4.2	4.6	6.3	6.2	6.2	2,251	1,918	2,275	2,905	3,007
Ores and concentrates:											
Chromium (Cr, D, content)	1,000 sh. ton	410	209	88	134	176	67	30	10	15	20
Copper	1,000 sh. ton	58	130	100	12	3	73	141	82	10	2
Iron	Mil. lg. ton	25.1	14.5	13.2	17.2	15.8	773	471	448	529	452
Tungsten	Mil. lb	11.4	7.6	8.3	12.8	10.5	87	47	26	52	37
Metals:											
Aluminum	1,000 sh. ton	581	679	819	872	955	778	858	1,021	1,293	1,017
Cobalt	Mil. lb	15.0	11.6	15.9	23.3	16.8	359	138	110	203	181
Copper refined ingots, etc	1,000 sh. ton	471	285	507	490	418	935	395	701	621	482
Gold (bullion)	Mil. troy oz	4.1	4.2	3.6	6.0	6.4	2,507	1,651	1,576	2,294	2,109
Iron and steel products (maj.)	Mil. sh. ton	16.2	17.3	17.8	27.3	25.5	7,713	10,290	7,129	11,356	10,874
Platinum group <sup>2</sup>	Mil. troy oz	3.5	2.5	3.2	4.5	4.0	1,177	554	763	1,118	1,028
Silver (bullion)	Mil. troy oz	84.9	86.9	161.2	93.5	137.4	1,332	786	1,828	786	898
Zinc: Blocks, pigs, slabs	1,000 sh. ton	452	503	681	755	673	319	371	504	636	308
EXPORTS											
Fuels: <sup>4</sup>											
Bituminous coal	Mil. sh. ton	88.9	105.2	76.8	80.8	84.0	4,523	5,936	4,006	4,090	3,882
Petroleum (crude)	Mil. bbl	30.6	13.1	8.8	5.8	6.0	751	489	224	185	117
Nonmetallic minerals:											
Gem stones: Diamonds	Mil. carat	1.3	2.7	2.5	2.3	2.4	1,041	639	622	575	571
Nitrogen compounds (maj.)	Mil. sh. ton	11.1	7.8	7.5	10.4	10.8	1,842	1,179	1,060	1,635	1,589
Phosphatic fertilizers <sup>3</sup>	Mil. sh. ton	7.2	5.4	6.6	8.2	8.3	1,983	837	695	1,390	1,235
Metals:											
Aluminum: Ingots, slabs, crude	1,000 sh. ton	715	401	398	286	383	1,107	476	534	387	442
Plates, sheets, bars, etc.	1,000 sh. ton	306	194	179	219	185	718	440	389	487	411
Gold (refined bullion)	Mil. troy oz	4.7	1.6	1.6	3.5	2.6	2,787	591	825	1,295	919
Iron and steel prods. (maj.)	Mil. sh. ton	4.5	2.2	1.4	1.2	1.1	3,504	2,515	1,606	1,418	1,321
Magnesium <sup>4</sup>	1,000 sh. ton	58.8	39.6	46.7	48.3	40.3	128	105	125	137	114
Molybdenum <sup>5</sup>	1,000 lb.	614	697	577	308	574	5	2	2	1	2
Silver (refined bullion)	Mil. troy oz	57.2	12.9	13.7	10.3	12.6	1,227	106	189	86	82
Scrap exports:											
Aluminum	1,000 sh. ton	445	214	262	286	413	483	158	249	276	361
Iron and steel	Mil. sh. ton	11.4	6.9	7.8	9.8	10.2	1,257	623	651	938	940

<sup>1</sup> Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country, FT 248*, annual; and *U.S. Exports, Schedule B Commodity and Country, FT 448*, monthly. <sup>2</sup> Unrefined and semimanufactured. <sup>3</sup> Superphosphates and ammonium phosphates. <sup>4</sup> Metal and alloys, scrap, semimanufactured forms. <sup>5</sup> Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

### NO. 1163. MINERAL INDUSTRIES—LOST WORKDAY INJURIES AND FATALITIES: 1980 TO 1985

[Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. Data for all years includes injuries to independent contractors at mine sites. Beginning with 1983, rates for the non-coal industries are based only on employment and hours worked by mine employees. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286]

ITEM	1980	1983	1984	1985	ITEM	1980	1983	1984	1985
<b>Coal mining:</b>					<b>Quarrying and related industries—Con.</b>				
Injuries, total	18,822	9,615	10,370	8,141	Rate per million work-hours:				
Fatal	133	70	125	68	Fatal	.3	1	.3	.2
Percent of total	7	.7	1.2	7	Nonfatal	21	17	18	19
Rate per million work-hours:					Fatalities per 1,000 employed <sup>1</sup>	.5	.2	.5	.4
Fatal	.3	.2	.3	.2	<b>Metal and nonmetal mining: <sup>2</sup></b>				
Nonfatal	49	29	29	27	Injuries, total	5,823	2,734	2,653	2,234
Fatalities per 1,000 employed <sup>1</sup>	.65	.37	.63	.38	Fatal	48	29	35	28
<b>Quarrying and related industries: <sup>3</sup></b>					Percent of total	.7	1.1	1.3	1.6
Injuries, total	3,551	2,089	2,509	2,571	Rate per million work-hours:				
Fatal	42	17	34	26	Fatal	.2	.3	.2	.2
Percent of total	1.2	.8	1.4	1.0	Nonfatal	24	24	18	17
					Fatalities per 1,000 employed <sup>1</sup>	.3	.3	.5	.3

<sup>1</sup> Average number of persons at work each day mines were active. <sup>2</sup> Includes cement.

<sup>3</sup> Nonmetal mines exclude extraction of French process sulfur.

Source: U.S. Mine Safety and Health Administration, Denver, CO, unpublished data.

#### 14. NET U.S. IMPORTS OF SELECTED MINERALS AND METALS AS PERCENT OF APPARENT CONSUMPTION, 1970 TO 1985, AND BY MAJOR FOREIGN SOURCES, 1981-1984

Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes

MINERAL	1970	1980	1981	1982	1983	1984	1985	Rank of major foreign sources, 1981-1984
Aluminum	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Antimony	100	100	100	100	100	100	100	India, Belgium, France.
Asbestos	100	100	100	100	100	100	100	Mexico, Spain.
Bauxite	95	98	98	99	99	98	100	One: Gabon, South Africa, Brazil.
Bismuth	88	84	84	86	86	86	97	Brazil: Guinea, Jamaica, Brazil; Alumin: Australia, Jamaica, Suriname.
Chromium	98	83	82	82	95	95	95	Zaire, Zambia, Canada.
Cobalt	96	90	82	82	97	92	92	Thailand, Brazil, Malaysia.
Copper	78	88	83	81	88	88	92	South Africa, United Kingdom, Soviet Union.
Fluorine	42	85	85	85	73	74	77	Canada, Israel.
Gold	89	91	90	85	78	81	73	South Africa, Zimbabwe, Yugoslavia.
Iron	81	78	77	85	73	74	72	Thailand, Malaysia, Bolivia, Indonesia.
Lead	83	78	79	74	85	76	71	Canada, South Africa.
Mercury	54	80	85	88	85	88	88	One: Canada, Mexico, Peru; Metal: Canada, Peru, Mexico.
Molybdenum	45	44	40	55	65	66	66	Canada, Morocco, Chile.
Nickel	71	71	76	76	75	68	68	Canada, Australia, Botswana.
Potash	24	32	50	74	(b)	(b)	(b)	Australia, Canada, South Africa.
Silver	50	53	50	42	52	70	68	Canada, China: Mainland, Bolivia.
Sulfur	28	7	53	55	61	58	64	Canada, Mexico, Peru.
Tungsten	40	48	47	50	54	58	(c)	Metal: China: Mainland, Bolivia, Mexico; One: Bolivia, Mexico, Thailand.
Vanadium	41	28	44	32	30	56	57	Spain, Algeria, Japan.
Zinc	7	55	63	73	72	50	55	Canada, Australia, Peru.
Aluminum (crude)	11	59	45	55	39	47	54	Canada, United Kingdom, Japan.
Aluminum (refined)	21	35	34	24	26	54	(d)	South Africa, E.E.C. <sup>1</sup> , Canada.
Crude oil	39	36	37	38	40	38	38	Canada, Mexico, Spain.
Refined petroleum products	59	18	15	32	19	22	31	Canada, Uruguay, Switzerland.
Crude oil (import)	22	37	34	28	28	30	29	Mexico, Canada, Venezuela.
Refined petroleum products (import)	(e)	14	6	1	19	23	27	Chile, Canada, Peru.
Crude oil (export)	4	15	15	20	16	23	22	E.E.C. <sup>1</sup> , Japan, Canada.
Refined petroleum products (export)	30	25	22	34	37	19	22	Canada, Venezuela, Liberia.
Crude oil (total)	(f)	(f)	(f)	7	17	7	12	Canada, Japan, Ghana.
Refined petroleum products (total)	(f)	14	5	4	15	16	5	Canada, Mexico.
Crude oil (net)	4	5	4	5	5	4	5	Canada, Algeria.

to avoid disclosure. <sup>1</sup> Includes alumina. <sup>2</sup> Includes. <sup>3</sup> European Economic Community. <sup>4</sup> Includes crude oil. <sup>5</sup> Sources: Beginning 1980, Energy Information Administration, *International Energy Annual*. <sup>6</sup> Not exports.

apt as noted, U.S. Bureau of Mines, *Mineral Commodity Summaries*; import and export data from U.S. Bureau of the

#### NO. 1165. PETROLEUM INDUSTRY—SUMMARY: 1950 TO 1986

	CRUDE OIL PRODUCING WELLS <sup>1</sup>		COMPLETED WELLS DRILLED (1,000)				CRUDE OIL PRODUCTION			IMPORTS (mil. bbl.)		OPERABLE REFINERIES (mil. bbl.)	
	Total (Dec. 31) (1,000)	Daily output per well (bbl.)	Total	Crude oil	Gas	Dry	Total (mil. bbl.)	Value at wells (bil. dol.)	Avg. price per bbl. (dol.)	Crude oil	Re-fined petroleum products	Capacity (Jan. 1)	Output
1949-1950-51	488	11.8	42	24	3	15	1,974	5.0	2.51	178	133	2,271	2,187
1950-51-52	524	13.2	55	30	4	20	2,484	6.9	2.77	265	170	3,061	2,880
1951-52-53	581	12.0	46	22	5	18	2,575	7.4	2.88	372	293	3,593	3,186
1952-53-54	589	13.3	39	18	4	16	2,848	8.2	2.88	452	448	3,803	3,639
1953-54-55	531	18.0	28	13	4	11	3,517	11.2	3.18	483	785	4,388	4,421
1954-55-56	517	18.1	26	12	4	10	3,454	11.7	3.39	813	819	4,884	4,582
1955-56-57	508	18.4	28	11	5	11	3,465	11.7	3.39	811	924	4,885	4,787
1956-57-58	487	18.3	28	10	7	10	3,381	13.1	3.88	1,184	1,089	4,979	5,067
1957-58-59	488	17.8	33	14	7	12	3,203	22.0	6.87	1,269	982	5,242	4,927
1958-59-60	500	16.8	39	17	6	14	3,067	23.5	7.67	1,486	712	5,461	4,985
1959-60-61	488	16.3	41	18	9	14	2,978	24.4	8.19	1,935	741	5,577	5,372
1960-61-62	507	16.4	46	19	12	15	3,009	25.8	8.57	2,414	800	5,885	5,794
1961-62-63	517	17.0	50	19	14	17	3,178	28.6	9.00	2,320	730	6,222	5,828
1962-63-64	531	16.3	52	21	15	16	3,121	39.5	12.64	2,380	707	6,388	5,759
1963-64-65	548	15.9	70	32	17	20	3,146	67.8	21.59	1,926	603	6,584	5,352
1964-65-66	557	15.4	90	43	20	27	3,129	98.4	31.77	1,805	584	6,796	5,106
1965-66-67	580	14.9	84	39	18	26	3,157	90.0	28.52	1,273	593	6,530	4,888
1966-67-68	603	14.4	75	37	14	23	3,171	83.1	26.19	1,215	629	6,154	4,786
1967-68-69	621	14.3	84	42	17	25	3,250	84.1	25.88	1,254	736	5,807	5,007
1968-69-70	647	13.9	89	35	14	20	3,275	78.9	24.08	1,188	681	5,716	5,019
1969-70-71	623	13.9	38	18	8	12	3,184	40.0	12.85	1,501	712	5,843	5,201

1, estimated. <sup>2</sup> Represents peak year for U.S. crude oil production.

Energy Information Administration, *Annual Energy Review and Petroleum Supply Annual*.

## No. 1166. CRUDE PETROLEUM AND REFINED PRODUCTS: 1973 TO 1986

(Barrels of 42 gallons. See tables 924, 925 and 1008 for additional information. See also *Historical Statistics, Colonial Times to 1970*, series M 136-142, M 176, and M 181)

Item	Unit	1973	1975	1980	1981	1982	1985	1986	1986	1986
<b>Crude petroleum:</b>										
Domestic production .....	ML. bbl.	3,361	3,057	3,146	3,129	3,157	3,171	3,250	3,275	3,194
Value at wells .....	BL. dol.	13.1	23.4	87.9	80.4	80.0	89.0	64.1	78.9	40.1
Average price per barrel at wells .....	Dol.	3.89	7.67	21.59	31.77	26.52	26.19	25.89	24.09	12.66
Imports .....	ML. bbl.	1,164	1,496	1,029	1,605	1,273	1,215	1,254	1,186	1,501
Value <sup>1</sup> .....	ML. dol.	4,231	18,374	62,014	81,940	45,862	36,808	36,529	33,034	22,720
Exports .....	ML. bbl.	1	2	105	83	89	80	88	78	56
Value <sup>1</sup> .....	ML. dol.	2,621	178	751	577	409	224	185	226	117
Stocks, Dec. 31 .....	ML. bbl.	242	271	466	584	644	723	798	814	843
Proved reserves, Dec. 31 <sup>2</sup> .....	ML. bbl.	35,300	32,882	29,605	29,428	27,856	27,736	26,446	26,416	26,889
World production .....	ML. bbl.	20,861	19,301	21,791	20,404	19,437	19,342	19,812	19,326	20,270
U.S. proportion of world total .....	Percent	16	16	14	15	16	16	16	17	16
<b>Refinery:</b>										
Number of refineries (Jan. 1) <sup>3</sup> .....	Number	288	279	319	324	301	256	247	223	216
Operable capacity (Jan. 1) <sup>3</sup> .....	ML. bbl.	4,979	5,481	6,584	6,788	6,530	6,154	5,906	5,715	5,643
Crude oil receipts at refineries .....	ML. bbl.	4,545	4,545	4,834	4,583	4,331	4,283	4,446	4,322	4,718
By pipeline: Domestic .....	ML. bbl.	2,995	2,882	2,275	2,343	2,401	2,419	2,442	2,489	2,402
Foreign .....	ML. bbl.	409	386	503	348	406	421	386	414	429
By water: Domestic .....	ML. bbl.	399	305	642	587	619	611	673	662	661
Foreign .....	ML. bbl.	775	1,101	1,406	1,164	617	736	667	686	1,116
By tank cars and trucks .....	ML. bbl.	56	50	121	103	89	96	110	97	95
Utilization rate <sup>4</sup> .....	Percent	93.9	85.6	75.4	68.6	66.6	71.7	76.2	77.6	82.9
<b>Refined products:</b>										
Daily motor-gasoline consumption .....	ML. bbl.	6.67	6.67	6.56	6.56	6.54	6.62	6.69	6.69	7.09
Retail prices for leaded regular motor gasoline (U.S. city average) .....	Cents	<sup>5</sup> 36.8	58.7	119.1	131.1	122.2	115.7	112.9	111.6	85.7
Yield of gasoline .....	Percent	45.6	46.5	44.5	44.5	46.2	47.4	46.5	46.7	46.5
Imports .....	ML. bbl.	1,089	712	603	594	593	629	724	661	712
Value <sup>1</sup> .....	ML. dol.	3,316	6,751	11,502	13,328	12,300	15,186	16,724	16,761	11,101
Exports .....	ML. bbl.	64	74	94	134	211	210	186	211	239
Value <sup>1</sup> .....	ML. dol.	361	325	1,242	2,068	4,599	4,599	3,419	3,589	2,566
Stocks, Dec. 31 .....	ML. bbl.	799	682	826	860	796	731	761	705	761

<sup>1</sup> Source: U.S. Bureau of the Census, *U.S. Exports, Schedule E Commodity by Country*, FT 410, monthly, and *U.S. Imports and Imports for Consumption, Schedule A Commodity by Country*, FT 136, monthly. <sup>2</sup> Source: 1973-1975 American Petroleum Institute, Washington, DC, thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. <sup>3</sup> Source: 1973-1980, U.S. Energy Information Administration, *Petroleum Refineries in the United States and U.S. Territories*, annual. <sup>4</sup> For 1973 through 1980, utilization rate is derived by dividing gross input to distillation units by one-half of the current year January 1 capacity and the following year January 1 capacity. Percentages were derived from unrounded numbers. For 1981 and forward, utilization is derived by averaging reported monthly utilization. <sup>5</sup> Average dealer's net price per gallon (incl. tax) of regular grade full service gasoline. Data from Platt's Oilgram Price Service.

Source: Except as noted, through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, *Annual Energy Review*, and *Petroleum Supply Annual*.

## No. 1167. PETROLEUM—RUNS TO STILL AND REFINERY PRODUCTS, BY PRODUCT: 1973 TO 1986

(In millions of barrels, except percent. Barrels of 42 gallons, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series M 162-177)

Product	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986	PERCENT			
											1973	1980	1985	1986
<b>Input</b> .....	4,880	4,827	5,561	5,133	4,821	4,884	4,617	4,611	4,611	5,076	100.0	100.0	100.0	100.0
Crude petroleum .....	4,537	4,541	5,346	4,934	4,552	4,297	4,265	4,406	4,361	4,641	92.8	96.1	91.0	91.4
Natural gas liquids .....	287	259	186	189	191	188	186	183	186	175	5.1	3.3	3.9	3.5
Other <sup>1</sup> .....	56	27	29	30	178	209	184	213	249	260	1.1	.6	5.1	5.1
<b>Output</b> .....	5,057	4,995	5,753	5,352	5,108	4,898	4,796	5,007	5,011	5,301	100.0	100.0	100.0	100.0
Gasoline (motor) .....	2,982	2,979	2,495	2,376	2,336	2,313	2,313	2,362	2,343	2,464	47.4	44.6	46.7	46.5
Leaded <sup>2</sup> .....	(NA)	(NA)	1,502	1,269	1,166	1,093	1,035	941	833	765	(NA)	23.7	16.6	14.4
Unleaded <sup>2</sup> .....	(NA)	(NA)	993	1,107	1,167	1,219	1,278	1,421	1,510	1,699	(NA)	20.7	30.1	32.1
Distillate fuel oil .....	1,029	968	1,151	974	954	951	887	961	960	1,021	20.3	18.2	19.5	19.3
Residual fuel oil .....	354	451	616	511	482	380	311	326	322	324	7.0	10.0	6.4	6.1
Jet fuel .....	314	318	369	355	353	357	373	414	434	472	6.2	6.8	8.6	8.9
Petrochemical feedstocks .....	133	122	252	254	220	180	153	140	143	148	2.6	4.7	2.8	2.8
Sill gas for fuel <sup>3</sup> .....	177	175	205	197	199	195	192	193	201	234	3.5	3.7	4.0	4.4
Asphalt and road oil <sup>4</sup> .....	175	149	170	144	124	120	136	141	146	150	3.5	2.6	2.9	2.6
Coke (5 bbl. = 1 sh. ton) .....	132	129	137	135	142	150	153	161	166	165	2.6	2.5	3.3	3.5
Liquefied refinery gases .....	126	109	121	119	115	89	120	133	143	152	2.5	2.2	2.8	2.9
Kerosene .....	79	55	67	50	44	42	40	42	34	33	1.6	.9	.7	.8
Other finished products .....	137	126	157	145	137	111	107	113	107	118	2.7	2.8	2.1	2.2
<b>Processing gains</b> .....	-165	-168	192	-219	185	-194	176	203	203	-225	(X)	(X)	(X)	0.0

NA Not available. X Not applicable. <sup>1</sup> Includes unfinished oil run-in net, blending components, other hydrocarbons and alcohol. <sup>2</sup> 1973 through 1980 estimates based on shipments. <sup>3</sup> 1 barrel = 3,000 cu. ft. <sup>4</sup> 6.5 barrels = 1 sh. ton.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

**CRUDE PETROLEUM AND NATURAL GAS—WELLS DRILLED, FOOTAGE, AND DRILLING COST, BY TYPE OF WELL: 1970 TO 1984**

Costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments.

YEAR	WELLS DRILLED		Foot- age drilled (mil. ft.)	DRILLING COST (mil. dol.)		Average depth per well (ft.)	AVERAGE COST PER WELL (\$1,000)		Average cost per ft. (dol.)
	Total	Off- shore		Total	Off- shore		Total	Off- shore	
1970	27,177	1,059	126.6	2,579	599	5,037	86	595	18.64
1971	36,980	1,028	177.6	6,571	1,174	4,805	179	1,142	38.99
1972	62,011	1,272	266.0	22,600	3,646	4,773	399	3,024	77.02
1973	80,616	1,476	366.8	36,666	5,551	4,811	454	3,761	94.30
1974	76,652	1,484	362.6	39,429	6,184	4,731	514	4,203	108.73
1975	67,539	1,270	301.2	25,105	4,991	4,480	372	3,906	83.34
1976	77,210	1,421	350.6	25,208	5,024	4,541	328	3,536	71.60
1977	12,547	533	56.4	1,066	282	4,498	87	526	19.29
1978	16,276	283	66.1	2,257	253	4,059	139	862	34.15
1979	26,553	317	117.1	7,796	644	4,099	272	2,693	68.36
1980	36,725	415	162.0	13,023	1,074	4,183	336	2,589	60.40
1981	35,665	466	144.3	12,459	1,583	4,024	347	3,217	66.34
1982	33,485	459	130.8	9,504	1,489	3,807	294	3,266	72.65
1983	36,976	466	154.0	10,214	1,322	3,952	262	2,721	66.32
1984	3,644	193	23.1	616	139	6,007	181	720	26.75
1985	7,854	271	43.4	2,005	336	5,867	282	1,247	48.23
1986	15,225	444	65.9	6,167	1,446	5,636	536	3,256	95.16
1987	17,533	515	100.3	12,249	2,122	5,718	696	4,121	122.17
1988	17,052	442	100.8	14,736	2,165	5,912	664	4,806	146.20
1989	12,919	293	72.5	7,656	1,213	5,811	609	4,140	109.37
1990	14,863	372	82.8	7,339	1,353	5,516	480	3,636	68.80
1991	10,786	332	57.4	873	178	5,320	81	536	15.21
1992	13,030	474	66.2	2,309	584	5,234	177	1,232	33.66
1993	18,233	511	83.1	6,866	1,659	5,106	377	3,046	73.70
1994	24,558	546	126.6	11,395	2,354	5,154	484	4,312	80.03
1995	23,736	539	117.5	12,232	2,425	4,951	515	4,525	104.09
1996	21,132	519	67.9	7,745	2,249	4,633	367	4,341	79.10
1997	23,251	583	113.9	7,653	2,349	4,900	329	4,172	67.15

Source: Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association Survey on Drilling Costs, annual.

**FEDERAL OFFSHORE LEASING, EXPLORATION, PRODUCTION, AND REVENUE: 1973 TO 1996**

(See source for explanation of terms and for reliability statement)

ASING	Unit	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Exploration	Number	276	1,374	566	696	483	1,398	1,410	21,689	27,984	15,754	10,724			
	Number	187	321	249	351	216	430	357	1,251	1,400	667	142			
	1,000	1,515	7,247	3,141	3,412	2,563	7,680	7,637	120,054	154,384	87,029	55,670			
	1,000	1,033	1,680	1,297	1,767	1,134	2,265	1,866	6,588	7,495	3,512	734			
Leased tracts	Mil. dol.	3,062	1,068	1,787	5,079	4,205	6,612	3,987	5,749	4,037	1,539	187			
WID DEVELOPMENT	drilled:														
	Number	84	97	117	175	191	173	168	134	253	195	65			
	Number	249	292	486	803	739	724	701	597	313	348	279			
	Number	8,421	8,104	8,433	8,954	8,838	10,308	11,164	11,990	13,012	12,265	12,536			
and abandoned	Number	4,599	5,617	7,133	7,576	8,057	8,704	8,913	9,374	9,903	10,487	11,911			
WID PRODUCTION	Mil. dol.	9,495	1,723	2,941	5,617	5,363	9,824	7,623	9,160	8,040	5,244	2,605			
	Mil. dol.	3,083	1,086	1,767	5,079	4,205	6,612	3,987	5,749	4,037	1,539	187			
	Mil. dol.	401	615	1,139	1,512	2,133	3,267	3,815	3,376	3,964	3,639	2,560			
	Mil. dol.	11	20	22	20	19	22	20	32	39	66	58			
P & S	Mil. dol.	2,487	3,925	7,097	9,273	3,056	20,200	22,573	21,034	24,001	22,153	15,711			
	Mil. dol.	1,480	2,208	2,828	2,674	4,784	8,844	8,929	8,935	9,823	9,590	5,795			
	Mil. dol.	141	221	226	254	360	844	1,225	1,106	1,208	1,031	664			
	Mil. dol.	666	1,496	4,135	5,126	7,895	10,503	12,420	10,983	13,172	11,532	9,282			
Total	Mil. bbls	361	303	270	262	256	263	284	304	330	352	350			
	Mil. bbls	34	27	22	23	19	27	37	36	40	37	39			
	Tot. cu. ft.	3,212	3,459	4,365	4,673	4,641	4,850	4,660	3,940	4,537	4,000	3,949			

Source: royalties. <sup>2</sup> Production value is value at time of production, not current value.

Dept. of the Interior, Minerals Management Service, Federal Offshore Statistics, September 1996.



## No. 1170. PETROLEUM INVENTORIES AT THE BEGINNING OF PEAK SEASONS: 1975 TO 1986

FUEL	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Petroleum, total (Sept. 30)	Mill. bbls	1,147	1,304	1,263	1,309	1,447	1,476	1,414	1,485	1,513	1,502	1,518
	Days' supply <sup>1</sup>	72.7	73.4	69.9	74.5	89.8	95.0	94.9	98.8	98.7	98.4	98.4
Motor gasoline (Mar. 31)	Mill. bbls	248.7	262.2	259.6	240.1	262.8	232.4	198.1	182.7	202.1	185.6	184.0
	Days' supply <sup>1</sup>	40.0	38.8	37.4	33.8	43.9	36.6	31.9	29.0	32.2	28.4	27.7
Distillate fuel oil (Sept. 30)	Mill. bbls	220.8	252.8	220.7	220.4	232.4	207.3	181.2	154.0	142.9	117.4	152.4
	Days' supply <sup>1</sup>	102.8	98.1	82.9	83.0	100.1	85.5	71.4	63.0	55.6	46.1	59.0
Residual fuel oil (Sept. 30)	Mill. bbls	76.9	87.5	81.3	81.8	81.9	80.2	81.6	49.7	46.8	43.4	44.0
	Days' supply <sup>1</sup>	34.4	29.9	29.0	34.6	38.0	42.2	40.7	36.8	38.8	39.9	30.8

<sup>1</sup> Days' supply is derived by dividing inventories by previous three month average daily consumption (products supplied).

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

## No. 1171. LIQUEFIED PETROLEUM GASES—SUMMARY: 1980 TO 1986

(In millions of 42-gallon barrels. Includes ethane)

ITEM	1980	1984	1985	1986	ITEM	1980	1984	1985	1986
Production	581	621	622	619	Consumption	538	576	584	584
At natural gas plants	441	486	479	466	Ethane <sup>1</sup>	184	216	210	181
At refineries	121	133	143	152	Propane <sup>1</sup>	298	306	322	303
Imports	79	71	68	66	Butane (incl. isobutane) <sup>2</sup>	76	54	52	60
Refinery input	85	106	111	110	Stocks, Dec. 31	116	101	74	103
Exports	9	18	23	15					

<sup>1</sup> Reported consumption of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane.

<sup>2</sup> Reported consumption of butane-propane mixtures have been allocated 80 percent butane and 20 percent propane.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

## No. 1172. CRUDE PETROLEUM AND NATURAL GAS—PRODUCTION, BY STATE: 1980 TO 1986

[See *Historical Statistics, Colonial Times to 1970*, series M 136 and M 142 for petroleum production, and series M 147-161 for natural gas production]

STATE	CRUDE PETROLEUM PRODUCTION (mill. bbl.)							NATURAL GAS MARKETING PRODUCTION <sup>1</sup> (Bil. cu. ft.)						
	1980	1981	1982	1983	1984	1985	1986	1980	1981	1982	1983	1984	1985	1986, prelim.
Total <sup>2</sup>	3,147	3,126	3,157	3,171	3,241	3,274	3,188	20,180	19,960	18,620	18,822	18,230	17,188	16,808
AL	22	21	20	19	20	22	21	65	79	75	61	102	107	107
AK	592	587	619	626	630	686	681	231	243	264	277	299	321	308
AR	18	18	19	19	19	19	18	112	93	125	126	135	155	132
CA	357	365	402	406	412	424	407	310	381	384	415	476	491	469
CO	30	30	31	29	29	30	29	168	186	210	184	173	178	158
FL	43	35	26	19	14	11	8	41	32	23	21	13	11	9
IL	23	24	26	29	29	30	27	2	1	1	1	2	1	(na)
IN	5	5	6	5	6	5	5	(2)	(2)	(2)	(2)	(2)	(2)	(na)
KS	60	66	71	72	76	75	67	735	640	430	435	468	513	448
KY	6	7	7	6	6	6	6	57	61	52	47	62	73	(na)
LA	469	449	458	480	515	506	512	6,639	6,790	6,172	5,332	5,825	5,014	4,888
MI	34	33	31	32	31	27	26	158	153	153	139	145	132	127
MS	36	34	33	31	33	31	30	176	181	187	151	158	144	143
MT	30	31	31	29	30	30	27	52	57	57	62	51	62	49
NE	6	7	7	6	6	7	7	3	3	2	2	2	2	(na)
NM	75	72	71	75	79	79	76	1,150	1,134	991	895	957	888	710
NY	1	1	1	1	1	1	1	16	16	16	18	25	32	(na)
ND	40	46	47	51	53	61	46	42	43	54	69	70	73	60
OH	13	14	15	15	15	15	13	139	141	139	151	166	182	(na)
OK	150	154	159	159	168	163	149	1,982	2,019	1,934	1,730	1,986	1,936	1,617
PA	3	4	4	4	4	5	4	97	122	121	116	168	150	(na)
TX	977	945	925	903	906	889	840	7,116	6,190	6,489	5,939	6,185	6,053	6,082
UT	25	26	22	30	35	41	39	68	91	94	63	76	63	66
WV	2	3	3	4	4	4	3	157	161	151	130	144	145	130
WY	128	131	118	118	124	121	121	410	410	425	444	517	417	425

NA. Not available. Z. Less than 500 million cubic feet. <sup>1</sup> Excludes nonhydrocarbon gases.

<sup>2</sup> Includes other States not shown separately.

Source: U.S. Energy Information Administration, *Natural Gas Annual*, *Natural Gas Monthly*, *Petroleum Statement*, annual, and *Petroleum Supply Annual*.

# NO. 1173. NATURAL GAS—SUPPLY, CONSUMPTION, RESERVES, AND MARKETED PRODUCTION: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980, prel.
ing wells (yearend)	1,000	117	124	130	170	182	189	211	222	243	250	250
tion value at wells	Bbl. dol.	3.7	5.0	9.0	24.2	32.1	39.5	45.8	43.8	48.5	43.2	51.3
per 1,000 cu. ft.	Dollars	17	22	45	1.18	1.58	1.96	2.48	2.89	2.86	2.51	1.87
reserves <sup>1</sup>	Tril. cu. ft.	291	250	228	201	199	202	202	200	197	193	(NA)
ed production <sup>2</sup>	Tril. cu. ft.	21.92	22.65	20.11	20.47	20.18	19.88	18.52	16.82	18.23	17.20	16.81
from storage	Tril. cu. ft.	1.48	1.53	1.76	2.06	1.97	1.93	2.16	2.27	2.10	2.40	1.94
1 <sup>3</sup>	Tril. cu. ft.	.82	1.03	.95	1.25	.96	.90	.93	.92	.84	.86	.75
ption, total	Tril. cu. ft.	21.14	22.05	19.54	20.24	19.88	18.40	16.00	16.83	17.86	17.28	16.00
idental	Tril. cu. ft.	4.84	4.88	4.92	4.97	4.75	4.55	4.88	4.58	4.43	4.40	4.40
mercial <sup>4</sup>	Tril. cu. ft.	2.40	2.69	2.81	2.79	2.61	2.52	2.61	2.43	2.52	2.43	2.35
total	Tril. cu. ft.	9.25	11.11	8.36	8.40	8.20	8.06	8.94	8.82	7.23	6.87	6.17
ase and plant fuel	Tril. cu. ft.	1.40	1.50	1.40	1.50	1.03	.93	1.11	.96	1.08	.87	.84
her industrial	Tril. cu. ft.	7.85	8.69	6.97	6.90	7.17	7.13	5.83	5.84	6.15	5.80	5.23
rio utilities	Tril. cu. ft.	3.93	3.86	3.16	3.49	3.89	3.64	3.23	2.91	3.11	3.04	2.60
portation <sup>5</sup>	Tril. cu. ft.	.72	.73	.58	.60	.63	.64	.80	.49	.53	.46	.46
ion losses <sup>6</sup>	Tril. cu. ft.	.91	.92	.87	.81	.78	.77	.78	.79	.84	.82	.77
ne to storage <sup>7</sup>	Tril. cu. ft.	.07	.06	.07	.06	.06	.06	.05	.05	.06	.06	.06
unted for gas <sup>8</sup>	Tril. cu. ft.	1.89	1.97	2.10	2.30	1.86	2.23	2.47	1.82	2.30	2.16	2.08
roducton (dry)	Tril. cu. ft.	37.54	43.15	31.10	51.73	53.28	54.71	54.18	54.45	58.30	(NA)	(NA)
roducton (dry)	Tril. cu. ft.	21.01	21.73	19.24	19.88	19.40	19.19	17.78	16.03	17.39	16.36	15.87
roant U.S. of world	Percent	56.0	50.4	42.6	38.0	36.4	35.1	32.8	29.4	29.8	(NA)	(NA)

Not available. <sup>1</sup> Estimated, end of year. Source 1970-1975: American Gas Association, Arlington, VA. (Copyright); later, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. <sup>2</sup> Total production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities or flared. For 1980 and thereafter, it excludes the nonhydrocarbon gases subsequently removed. <sup>3</sup> Includes imports of natural gas. <sup>4</sup> Includes deliveries to municipalities and public authorities for institutional heating and other purposes. <sup>5</sup> Includes fuel. <sup>6</sup> Volumetric reduction in natural gas resulting from the extraction of natural gas constituents at natural gas processing plants. <sup>7</sup> Beginning with 1980, includes liquefied natural gas (LNG) storage in above ground tanks. <sup>8</sup> Derived by finding the sum of additions to storage, exports and consumption from total supply.

NA: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, *International Energy Annual*, and *Energy Review*, March 1987.

## NO. 1174. NATURAL GAS PLANT LIQUIDS—PRODUCTION AND VALUE: 1970 TO 1986

[Barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1970*, series M 143-146]

ITEM	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
reduced	Mil. bbl.	806	834	884	878	878	888	888	888	888	882	884
ase plus	Mil. bbl.	187	182	149	125	126	122	103	85	107	103	98
led petroleum gases	Mil. bbl.	400	447	444	444	441	459	459	480	488	479	488
line <sup>1</sup>	Mil. bbl.	73	108	123	146	145	145	155	166	185	180	177
pane <sup>1,2</sup>	Mil. bbl.	206	214	202	182	181	190	189	197	193	190	186
ane (incl. isobutane) <sup>2</sup>	Mil. bbl.	121	124	119	115	115	124	114	116	111	109	104
finished petroleum	Mil. bbl.	9	6	2	9	8	7	4	4	1	5	2
ucts	Mil. bbl.	9	6	2	9	8	7	4	4	1	5	2
roducts:												
se value	Dol. per bbl.	2.10	2.93	4.85	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
se yield	Gal. per 1,000											
cu. ft.		1.37	1.36	1.42	1.47	1.63	1.65	1.86	1.80	1.79	1.84	<sup>3</sup> 1.82
se processed	Tril. cu. ft.	19	20	18	28	15	15	14	13	14	13	<sup>3</sup> 13

of available. <sup>1</sup> Reported production of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane. <sup>2</sup> Reported production of ethane-propane mixtures have been allocated 60 percent ethane and 40 percent propane. <sup>3</sup> Estimated.

. Through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Statistics*, *Petroleum Statement Annual*, *Petroleum Supply Annual*, and *Natural Gas Annual*.

## No. 1175. COAL AND COKE—SUMMARY: 1970 TO 1985

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1985, was 478 billion tons. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93-126]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1985 <sup>1</sup>
<b>COAL<sup>2</sup></b>											
Total production.....	Mill. sh. tons	813	855	781	830	824	836	782	806	879	888
Value.....	Mill. dol.	3,878	12,871	18,552	20,452	21,748	22,850	20,319	22,844	22,139	21,839
World production.....	Mill. sh. tons	3,295	3,865	4,101	4,173	4,198	4,375	4,402	4,623	4,780	(na)
Bituminous coal and lignite: <sup>3</sup>											
Number of mines.....	Number	5,801	6,168	5,837	5,588	5,569	5,365	4,685	4,902	4,784	(na)
Production.....	Mill. sh. tons	603	648	778	824	818	836	782	806	870	888
Value, total.....	Mill. dol.	3,773	12,472	18,359	20,198	21,514	22,850	20,319	22,844	22,139	21,839
Average per ton.....	Dollars	6.26	19.23	23.65	24.52	26.29	27.28	25.99	25.61	25.20	24.59
Method of mining:											
Underground.....	Mill. sh. tons	339	293	320	337	316	339	300	352	361	353
Surface.....	Mill. sh. tons	264	356	456	487	503	499	482	544	533	536
Percent of total prod.....	Percent	43.8	54.8	58.7	59.0	61.4	58.5	61.6	60.7	60.3	60.3
Exports.....	Mill. sh. tons	71	68	85	90	110	106	78	61	69	86
Value.....	Mill. dol.	951	3,233	3,329	4,523	5,809	5,997	4,057	4,133	4,466	3,930
Imports.....	1,000 sh. tons	36	940	2,059	1,194	1,043	742	1,271	1,286	1,952	2,212
Value.....	Mill. dol.	(2)	22	51	30	30	30	43	45	70	80
Consumption <sup>4</sup> .....	Mill. sh. tons	516	556	677	689	729	707	737	791	818	804
Electric power utilities.....	Mill. sh. tons	318	404	526	568	598	594	625	684	694	685
Industrial.....	Mill. sh. tons	184	148	144	126	128	105	103	116	118	112
Productivity average: <sup>5</sup>											
Daily employment.....	1,000.....	140	190	224	225	226	217	178	176	189	(na)
Days worked.....	Number.....	228	232	206	210	188	196	197	204	204	(na)
Tons per worker.....											
Per day.....	Sh./ton	16.84	14.74	15.33	16.32	18.08	18.13	20.98	22.19	23.05	(na)
Per year.....	Sh./ton	4,296	3,420	3,188	3,427	3,363	3,497	4,133	4,527	4,702	(na)
Production, by State:											
Alabama.....	Mill. sh. tons	20.8	22.6	23.9	26.4	24.5	26.6	23.8	27.1	27.6	23.2
Illinois.....	Mill. sh. tons	85.1	59.6	59.5	62.5	51.9	60.3	58.8	63.6	58.2	62.3
Indiana.....	Mill. sh. tons	22.3	25.1	27.5	30.9	29.3	31.8	31.8	37.8	33.9	32.5
Kentucky.....	Mill. sh. tons	125.3	143.8	149.6	150.1	157.6	160.2	131.2	189.5	152.3	180.2
Montana.....	Mill. sh. tons	3.4	22.1	32.5	29.9	33.8	27.9	28.9	33.0	33.3	32.6
Ohio.....	Mill. sh. tons	55.4	48.8	43.5	39.4	37.4	36.5	39.8	39.3	36.6	36.4
Pennsylvania.....	Mill. sh. tons	80.5	64.1	88.2	67.1	78.1	79.4	89.8	77.5	71.4	74.3
Virginia.....	Mill. sh. tons	35.0	36.5	37.0	41.0	42.0	39.6	26.0	40.4	40.9	42.1
West Virginia.....	Mill. sh. tons	144.1	109.3	112.4	121.6	112.8	128.5	115.0	131.0	127.8	129.5
Wyoming.....	Mill. sh. tons	7.2	23.6	71.8	94.9	103.0	103.0	112.2	130.9	140.7	136.2
Other States.....	Mill. sh. tons	44.0	76.0	129.2	138.8	148.2	154.1	143.8	158.9	181.3	183.3
Anthracite production.....	Mill. sh. tons	9.7	8.2	4.8	6.1	5.4	4.8	4.1	4.2	4.7	3.9
<b>COKE</b>											
Production <sup>6</sup> .....	Mill. sh. tons	68.5	57.2	52.9	48.1	42.8	28.1	25.8	30.6	28.7	25.5
Oven coke <sup>7</sup> .....	Mill. sh. tons	65.7	56.5	52.9	48.1	42.8	28.1	25.8	30.6	28.7	25.5
Value of product at plant.....	Mill. dol.	2,193	5,261	6,882	8,029	(na)	(na)	(na)	(na)	(na)	(na)
Coke and breeze.....	Mill. dol.	1,989	4,607	5,459	4,784	(na)	(na)	(na)	(na)	(na)	(na)
Avg. market value per ton.....	Dollars	28	84	98	103	113	115	114	105	104	99.9
Coal charged.....	Mill. sh. tons	96.5	83.8	77.4	66.7	61.0	40.9	37.0	44.0	41.1	36.0
Average value per ton.....	Dollars	12.47	44.21	50.70	58.28	62.88	64.97	59.30	58.57	54.30	60.83
Yield of coke from coal.....	Percent	69.1	68.4	68.4	69.2	70.1	68.7	69.7	69.4	69.8	70.8

NA Not available. Z Less than \$500,000. <sup>1</sup> Preliminary. <sup>2</sup> Includes bituminous coal, lignite, and anthracite. <sup>3</sup> All domestic product data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, data are for all mines. Beginning 1982, includes anthracite, which accounts for approximately 5 percent of total coal production. <sup>4</sup> Includes some categories not shown separately. <sup>5</sup> Data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, for mines producing 10,000 short tons or more. Beginning 1982, includes all types of coal. <sup>6</sup> Includes beehive coke. <sup>7</sup> Prior to 1979, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1970 and 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports*, *Weekly Coal Production*, *Coal Production*, annual; *Coke Plant Report*, and *Quarterly Coal Report*.

## No. 1176. WORLD COAL TRADE: 1974 TO 1985

[In millions of short tons]

COUNTRIES	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985 <sup>1</sup>
<b>Exporting countries, total<sup>2</sup></b>												
United States.....	209.8	212.5	210.2	234.7	222.5	254.8	276.0	287.4	291.3	284.2	327.8	384.3
Australia.....	60.7	66.3	60.0	54.3	40.7	68.0	66.7	106.5	106.5	76.5	81.2	91.9
South Africa.....	32.5	33.5	34.3	42.3	42.6	44.8	45.6	54.3	44.8	58.9	79.7	96.0
Soviet Union.....	2.5	3.0	6.6	14.0	17.0	25.7	29.9	32.5	29.9	32.2	40.7	48.1
West Germany.....	28.8	28.8	29.6	31.1	31.6	28.4	28.2	22.5	23.0	24.1	22.7	28.9
Canada.....	19.2	16.2	14.4	16.0	21.0	17.2	13.8	13.1	11.2	11.5	12.8	10.5
Poland.....	11.9	12.9	13.0	13.3	15.1	15.3	18.1	17.7	18.4	17.8	28.7	28.7
China, Mainland.....	44.1	42.4	42.9	43.3	44.2	45.8	34.5	16.6	30.6	39.0	47.1	39.8
China, Taiwan.....	4.4	5.5	4	5	6	17	4.2	4.1	5.1	6.2	7.8	8.1
<b>Importing countries, total<sup>3</sup></b>												
Western Europe/Mediterranean.....	298.9	212.5	210.2	234.7	222.5	254.8	276.0	287.4	291.3	284.2	327.8	384.3
Japan.....	79.3	60.8	60.2	66.9	64.3	107.4	126.9	129.4	126.5	117.1	132.2	148.8
Eastern Europe.....	70.7	68.5	67.0	67.1	57.5	64.5	75.6	86.0	86.5	81.6	94.5	101.1
Canada.....	35.6	35.1	35.4	36.8	36.4	40.2	34.8	30.1	37.0	41.2	39.9	42.9
Other.....	13.6	16.8	16.1	16.9	14.6	19.4	17.4	16.3	17.3	16.2	16.2	16.4

<sup>1</sup> Preliminary. <sup>2</sup> Includes areas not shown separately. <sup>3</sup> Includes trade with Japan only.

Source: U.S. Energy Information Administration, 1973-1983, and 1985, *Annual Prospects for World Coal Trade 1987; 1984, Outlook for U.S. Coal Imports*.

CEMENT, SAND, GRAVEL, STONE, GYPSUM, LIME, AND PHOSPHATE ROCK: 1970 TO 1985

Historical Statistics, Colonial Times to 1970, series M 188-194 and series M 203-204. Lime excludes Puerto Rico]

	Unit	1970	1979	1979	1979	1988	1981	1982	1983	1984	1988
ation <sup>1</sup> .....	MM. sh. ton.....	76.1	68.7	85.5	85.9	76.7	72.9	64.3	71.3	76.7	78.9
.....	Percent.....	96.1	95.8	95.2	95.8	95.9	96.2	96.5	95.9	95.8	95.9
.....	Mil. sh. ton.....	76.4	70.7	68.0	87.2	77.7	73.0	65.1	71.9	81.2	84.0
.....	Mil. sh. ton.....	73.4	67.8	83.8	83.4	74.7	70.2	62.7	66.9	77.9	80.7
.....	Mil. dol.....	1,366	2,220	3,623	4,061	3,780	3,666	3,199	3,440	4,020	4,142
per ton.....	Dollar.....	17.68	31.41	41.17	46.57	50.89	52.20	51.04	49.89	51.62	51.30
.....	Mil. sh. ton.....	2.5	3.8	6.6	9.4	5.2	4.0	2.9	4.3	6.8	14.5
.....	Mil. dol.....	34	71	191	302	196	151	111	161	294	437
.....	1,000 sh. ton.....	123	417	55	149	186	300	201	118	80	98
tion (est.).....	Mil. sh. ton.....	630	774	940	962	977	977	973	1,010	1,045	1,071
el sold <sup>2</sup> .....	MM. sh. ton.....	944	789	988	979	793	720	621	982	803	980
.....	Mil. dol.....	1,116	1,340	2,302	2,427	2,289	2,260	1,998	2,270	2,621	2,812
r used by.....	MM. sh. ton.....	986	981	1,051	1,101	986	874	791	983	957	1,002
.....	Mil. dol.....	1,470	2,120	2,866	3,399	3,405	3,276	3,056	3,475	3,911	4,225
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
shments <sup>3</sup> .....	Number.....	108	110	118	113	114	113	109	111	113	116
apply.....	Mil. sh. ton.....	15.5	15.1	23.1	22.3	19.7	18.9	17.1	20.8	23.1	24.6
.....	Mil. sh. ton.....	9.4	9.8	14.9	14.8	12.4	11.5	10.5	12.9	14.3	14.7
r consump-.....	Mil. sh. ton.....	8.1	5.4	8.3	7.8	7.4	7.6	6.7	8.0	6.9	9.9
.....	1,000 sh. ton.....	41	75	132	91	88	157	123	117	131	83
am pro-.....	MM. sh. ton.....	8.4	9.2	14.0	14.5	11.8	11.7	11.2	13.9	15.5	16.0
.....	Mil. dol.....	132	188	367	442	270	243	196	270	321	367
cts sold,.....	MM. dol.....	353	514	1,248	1,392	1,242	1,198	1,122	1,806	2,274	2,416
, value.....	Mil. dol.....	323	466	1,171	1,312	1,149	1,099	1,032	1,504	2,162	2,301
.....	Number.....	194	171	155	154	153	150	147	139	129	115
.....	1,000 sh. ton.....	19,747	19,133	20,443	20,945	19,010	18,856	14,075	14,867	15,922	15,690
.....	Mil. dol.....	286	524	750	862	843	664	696	758	811	809
.....	Dollars.....	14.49	27.38	36.67	41.18	44.34	46.89	49.46	50.96	50.95	51.70
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
tion.....	MM. ton.....	125.5	187.5	191.2	204.8	231.4	202.5	114.5	138.6	176.7	193.2
nt.....	Mil. ton.....	18.6	23.5	23.5	25.4	26.2	26.2	14.8	19.4	23.2	25.2
roduction.....	Mil. ton.....	38.7	48.8	55.2	56.9	60.0	59.1	41.2	46.9	54.2	56.0
nt.....	Mil. ton.....	12.0	15.0	16.9	17.5	18.4	18.0	12.7	14.4	16.4	17.3
.....	Mil. dol.....	203	1,122	929	1,046	1,257	1,438	950	1,021	1,182	1,236
.....	Dollars.....	5.25	22.99	16.84	18.38	20.95	24.33	23.04	21.75	21.80	22.05
.....	Mil. sh. ton.....	.14	.04	1.00	.98	.54	.01	.03	.01	.01	.04
.....	Mil. dol.....	3.8	1.6	24.4	21.6	12.9	.4	1.3	.4	.3	1.7
.....	Dollars.....	27.87	43.83	24.38	22.04	23.99	30.00	38.29	37.90	27.62	46.61
.....	Mil. sh. ton.....	11.7	12.3	14.2	15.8	15.7	11.5	10.8	13.2	12.7	10.1
nt.....	Mil. sh. ton.....	3.8	4.0	4.5	5.1	5.0	3.8	3.5	4.2	4.0	3.2
.....	Mil. dol.....	60.0	429.2	297.4	356.5	431.4	373.2	293.6	327.3	324.6	263.6
.....	Dollars.....	5.11	34.96	20.94	22.56	27.41	32.57	27.06	24.73	25.56	26.16
apparent <sup>4</sup> .....	Mil. sh. ton.....	27.2	34.2	40.6	43.6	45.0	38.7	31.7	38.4	46.0	41.4
uction.....	Mil. sh. ton.....	93.6	118.6	137.8	145.3	158.9	157.7	140.4	153.5	165.5	161.7

uerto Rico; excludes Alaska except for imports and exports. <sup>2</sup> Includes natural, slag, and hydraulic lime plants, separately, except 1970 excludes slag cement. <sup>3</sup> Represents sand stone and gravel used by Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. <sup>4</sup> Each combination mine and plant is counted as one establishment. <sup>5</sup> Made from domestic, imported, and byproduct or consumption; P<sub>2</sub>O<sub>5</sub> content not available. <sup>6</sup> Amount sold or used plus imports minus exports.

Bureau of Mines, Minerals Yearbook.

NO. 1178. POTASH—SUMMARY: 1970 TO 1985

ands of short tons, except value. See also Historical Statistics, Colonial Times to 1970, series M 201-202]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1988
potassium salts (marketable).....	4,853	4,576	4,769	4,708	4,756	4,578	3,710	3,053	3,350	2,831
equivalent K <sub>2</sub> O.....	2,729	2,501	2,483	2,453	2,468	2,377	1,966	1,575	1,724	1,428
fol.).....	98.1	223.1	226.5	279.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
ium salts by producers.....	4,703	3,819	4,804	5,014	4,701	4,045	3,734	3,252	3,510	2,761
equivalent K <sub>2</sub> O.....	2,729	2,094	2,543	2,632	2,444	2,103	1,987	1,668	1,807	1,395
l (mil. dol.).....	92.4	187.9	226.5	279.2	353.9	328.9	265.6	220.8	241.8	178.4
llars).....	19.64	49.19	47.15	55.68	75.28	81.31	71.13	67.90	68.89	78.48
umption of potash materials.....	4,403	6,271	8,556	9,375	9,031	8,712	6,986	8,071	8,761	8,343
equivalent K <sub>2</sub> O.....	2,605	3,797	5,189	5,693	5,481	5,267	4,253	4,894	5,323	5,061
l.).....	94.7	267.2	399.2	520.8	648.0	750.4	575.4	600.6	658.1	499.1
sh materials.....	966	1,419	1,577	1,233	1,746	978	1,049	622	922	1,072
equivalent K <sub>2</sub> O.....	544	779	892	700	926	541	572	331	492	565
l.).....	28.5	92.7	88.6	79.5	179.8	107.9	93.2	55.8	85.7	(NA)
mption of potassium salts <sup>2</sup> .....	8,140	8,671	11,782	13,156	11,987	11,779	9,671	10,701	11,349	10,032
equivalent K <sub>2</sub> O.....	4,730	5,112	6,840	7,626	6,999	6,849	5,647	6,231	6,838	5,891
on (marketable), approximate.....	20,013	27,269	28,795	28,404	30,707	29,849	27,167	30,232	31,588	31,537

liable. <sup>1</sup> Derived from reported value of amount sold or used. <sup>2</sup> Amount sold or used plus imports minus

Bureau of Mines, Minerals Yearbook.

## No. 1179. IRON ORE—SUMMARY: 1970 TO 1985

[In millions of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Number of mines	74	67	54	51	49	37	32	27	20	20	20
Production <sup>1</sup>	86.8	78.8	85.8	81.8	86.7	88.8	73.2	35.4	37.8	51.3	48.8
Lake Superior	50.8	48.7	44.0	72.7	77.2	82.3	87.5	31.0	35.8	49.7	47.4
Northeastern	3.5	1.0	2.0	8.0	8.6	7.3	5.7	4.4	2.0	1.6	1.4
Western	14.3	9.8	9.8								
Hematite <sup>2</sup>	33.8	19.2	11.5	15.0	13.9	11.8	10.8	6.7	5.4	(NA)	(NA)
Magnetite <sup>3</sup>	53.0	59.4	43.1	64.8	71.0	57.8	62.8	28.7	32.2	(NA)	(NA)
Other	2.4	1.2	1.1	.8	.8	-	-	-	-	(NA)	(NA)
Shipments <sup>4</sup>	87.2	75.7	54.1	83.2	85.2	88.6	72.2	35.8	44.8	50.9	49.4
Value <sup>5</sup> (mil. dol.)	942	1,821	1,423	2,401	2,814	2,544	2,915	1,492	1,945	2,248	2,077
Average price per ton at mine (dol.)	10.80	21.41	26.32	28.86	32.64	36.58	40.39	41.72	43.81	44.17	42.03
Stocks, Dec. 31 (at mines)	15.3	12.3	14.8	12.4	11.3	11.7	12.7	12.1	4.1	5.3	6.0
Price (Lake Superior ores) Dec. 31											
Natural ores, basis 51.5% Fe (dol./lg. ton)	10.80	18.50	21.18	22.30	24.56	28.50	32.53	32.53	30.03	30.03	(NA)
Imports for consumption <sup>6</sup>	44.9	48.7	37.9	33.6	33.8	25.1	28.3	14.5	13.2	17.2	15.8
Canada	23.9	19.1	25.3	19.2	22.6	17.3	18.8	9.3	8.8	11.2	8.8
Venezuela	13.0	13.1	8.2	6.1	4.6	3.6	5.1	1.8	1.3	1.5	2.1
Brazil	2.0	7.5	2.2	4.0	3.1	2.0	1.7	1.0	1.3	2.5	2.5
Value (mil. dol.)	480	880	957	845	923	773	948	471	446	529	452
Exports	5.5	2.5	2.1	4.2	5.1	5.7	5.5	3.2	3.8	5.0	5.0
Value (mil. dol.)	68	60	53	137	179	231	246	151	183	239	241
World production (est.)	754	932	828	833	869	877	845	788	728	817	845

- Represents zero. NA Not available. <sup>1</sup> Includes Southeastern district and byproduct ore, not shown separately.  
<sup>2</sup> Predominant mineral. <sup>3</sup> Beginning 1978, includes byproduct ore. <sup>4</sup> Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1180. GOLD AND SILVER—SUMMARY: 1970 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series M 268-269, for mine production]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986, proj.
<b>GOLD</b>										
Ore produced <sup>1</sup>	1,000 sh. ton	3,887	5,722	8,893	12,729	17,818	24,142	30,487	35,908	60,889
Production, U.S.	1,000 fine oz.	1,743	1,052	870	1,379	1,486	2,008	2,086	2,427	3,739
Value	Mil. dol.	63	170	594	834	551	849	732	771	1,376
World production	1,000 fine oz.	47,522	38,478	29,179	41,280	44,101	44,998	46,475	48,673	50,887
Industrial consumption										
U.S., net	1,000 fine oz.	5,973	3,983	3,216	3,276	3,423	3,101	3,164	2,909	2,976
Imports <sup>2</sup>	Mil. dol.	237	457	2,750	2,157	1,894	1,977	2,947	2,896	5,894
Canada	Mil. dol.	152	182	1,234	1,314	1,124	987	1,554	1,555	2,444
Soviet Union	Mil. dol.	-	1	88	22	4	-	-	-	188
South Africa	Mil. dol.	(2)	8	39	186	36	18	-	-	79
Exports	Mil. dol.	38	493	3,648	3,072	1,089	1,338	1,813	1,254	1,729
Price per fine oz. <sup>3</sup>	Dollars	38.4	161.5	812.6	459.8	375.9	424.0	380.7	317.7	388.2
Production:										
Nevada	1,000 fine oz.	480	333	276	525	757	961	1,111	1,276	2,089
South Dakota	1,000 fine oz.	579	305	298	278	165	310	311	358	(9)
Utah	1,000 fine oz.	408	190	180	228	175	236	(8)	135	(8)
<b>SILVER</b>										
Ore produced <sup>1</sup>	1,000 sh. ton	934	919	2,936	5,579	6,836	6,658	6,382	5,347	6,425
Production, U.S.	1,000 fine oz.	45,008	34,938	28,888	40,683	40,248	43,431	44,582	39,433	34,220
Value	Mil. dol.	80	154	897	428	320	497	383	242	187
World production	1,000 fine oz.	300,991	303,112	342,804	381,617	371,159	386,533	412,089	421,041	419,781
Industrial consumption										
U.S., net <sup>4</sup>	1,000 fine oz.	126,404	157,850	124,894	116,670	116,840	118,464	114,841	118,555	118,940
Imports <sup>2</sup>	Mil. dol.	104	394	1,806	1,028	927	2,124	963	952	789
Canada	Mil. dol.	84	150	880	375	303	420	301	288	281
Mexico	Mil. dol.	9	86	282	228	205	190	336	251	257
Peru	Mil. dol.	19	78	354	273	143	269	197	78	57
Exports	Mil. dol.	49	148	1,910	332	209	377	206	161	140
Price per fine oz. <sup>3</sup>	Dollars	1.77	4.42	10.11	10.52	7.95	11.44	8.14	6.14	5.47
Production:										
Idaho	Mil. fine oz.	19.1	13.9	13.7	11.1	14.8	17.7	16.9	16.9	11.2
Arizona	Mil. fine oz.	7.3	6.3	6.3	8.1	6.3	4.6	4.2	4.9	4.2
Utah	Mil. fine oz.	6.0	2.8	2.2	2.9	4.3	4.8	(8)	(8)	(8)
Colorado	Mil. fine oz.	2.8	3.4	3.0	3.0	1.9	2.1	2.2	.6	.6

- Represents zero. D Withheld to avoid disclosure. <sup>2</sup> Less than \$500,000. <sup>3</sup> Gold and silver are also produced from base-metal ores and placers. In 1975, those sources accounted for 38 percent of gold produced and 65 percent of silver.

<sup>4</sup> General imports, 1970 and 1975; thereafter, imports for consumption. <sup>5</sup> Selling price. <sup>6</sup> Includes gold-silver ore.

<sup>7</sup> Excludes coinage.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1181. LEAD—SUMMARY: 1970 TO 1986

in thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242-248]

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Production of refined primary lead.....	957	636	623	634	640	546	566	567	436	637	464
Waste and base bullion <sup>1</sup> .....	526	530	553	584	580	485	507	508	364	459	379
Imports and base bullion.....	136	106	70	50	43	61	58	61	72	79	24
Secondary lead.....	597	656	645	653	745	707	630	555	686	670	678
Refined lead.....	1,070	1,222	1,238	1,267	1,363	1,294	1,154	1,130	1,054	1,186	1,166
Cast lead.....	244	101	244	211	90	112	101	144	178	147	155
Lead and matte.....	112	66	56	44	46	65	36	52	76	47	96
Refined pig lead <sup>2</sup> .....	6	21	9	12	161	26	56	19	5	26	12
Production of metal, primary and secondary.....	1,361	1,297	1,579	1,497	1,180	1,287	1,185	1,256	1,331	1,268	1,240
Common lead.....	1,361	1,297	1,579	1,497	1,180	1,287	1,185	1,256	1,331	1,268	1,240
Price per lb. (cents).....	15.09	21.53	33.65	52.64	42.46	36.53	25.54	21.66	25.56	19.07	22.06
Price per lb. (dollars).....	13.76	18.73	29.66	54.52	41.21	33.30	24.66	19.27	20.12	17.84	18.43
Yield of recoverable lead <sup>3</sup> .....	572	621	584	579	607	491	565	495	356	456	375
Production of recoverable lead <sup>3</sup> .....	179	267	384	610	515	358	289	215	182	174	165
Production, primary (est.).....	3,626	3,633	3,466	3,511	3,506	3,439	3,539	3,579	3,494	3,736	3,540
Capacity.....	(NA)	(NA)	5,230	5,241	(NA)	(NA)	(NA)	5,027	5,027	(NA)	(NA)

NA Not available. <sup>1</sup> Excludes lead content of antimonial lead. <sup>2</sup> Pigs, bars, and anodes. <sup>3</sup> Includes Alaska.  
Bureau of Mines, *Mining Yearbook*.

## No. 1182. COPPER—SUMMARY: 1970 TO 1986

in thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 235-241]

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Copper produced:											
Domestic ores.....	1,720	1,413	1,595	1,302	1,666	1,264	1,144	1,215	1,219	1,265	
Waste produced <sup>1</sup> (mil. sh. tons).....	256	263	306	244	306	201	196	169	179	166	
Yield of copper (percent).....	.59	.47	.47	.46	.51	.55	.51	.58	.62	.62	
Production from domestic ores.....	1,605	1,374	1,448	1,066	1,427	1,037	979	1,081	1,035	1,001	
World total.....	24	17	16	13	16	12	11	12	11	11	
From domestic ores.....	1,521	1,266	1,557	1,241	1,577	1,156	1,134	1,201	1,106	1,183	
Waste, matte, etc., refinery.....	244	157	114	98	125	194	169	83	59	(D)	
Refined, domestic and foreign.....	1,785	1,443	1,671	1,339	1,702	1,352	1,303	1,284	1,165	1,183	
Copper produced from old scrap only.....	1,248	972	1,711	1,564	1,583	1,309	1,194	1,234	1,256	1,252	
Manufactured <sup>2</sup> .....	504	369	666	676	658	571	508	555	528	528	
Refined metallic copper.....	362	324	310	803	474	556	636	573	464	627	
Refined metallic copper (est.).....	132	147	225	471	364	285	507	490	416	553	
Refined metallic copper (est.).....	221	172	61	16	27	34	90	101	42	14	
Refined metallic copper (est.).....	470	519	374	354	472	552	362	390	(NA)	(NA)	
Production of recoverable copper.....	1,720	1,413	1,595	1,302	1,666	1,264	1,144	1,215	1,219	1,265	
Production of recoverable copper (est.).....	916	813	1,043	849	1,147	848	748	823	678	870	
Production of recoverable copper (est.).....	120	66	77	42	68	72	37	(D)	17	(D)	
Production of recoverable copper (est.).....	166	146	181	165	170	(D)	(D)	(D)	(D)	(D)	
Production of recoverable copper (est.).....	296	177	213	174	233	206	187	(D)	(D)	(D)	
Production of recoverable copper (est.).....	220	169	77	72	77	136	173	363	324	365	
Price per lb. (cents).....	58.2	64.2	63.3	102.4	85.1	74.3	79.3	68.2	67.0	66.1	
Production.....	6,752	6,069	8,633	8,432	8,820	8,784	8,967	9,264	9,462	9,426	
Capacity.....	(NA)	(NA)	11,180	(NA)	(NA)	(NA)	12,692	12,695	(NA)	(NA)	

(D) to avoid disclosure of individual company data. NA Not available. <sup>1</sup> Includes old tailings, smelted or refined comparable with mine production figures which include recoverable copper content of ore not classified as waste. <sup>2</sup> Includes production from foreign area. <sup>3</sup> Includes copper imported for immediate consumption plus material held under bond. Beginning 1979, includes imports for consumption. Compares copper in ore and concentrates, blister, and scrap.

## No. 1183. COBALT—SUMMARY: 1970 TO 1986

(in millions of pounds of contained cobalt, except price)

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Production.....	7	-	-	-	-	-	-	-	-	-	-	-
Scrap <sup>1</sup> .....	1	3	5	10	12	12	10	9	7	9	9	2.6
Production.....	12.4	8.6	17.5	19.0	20.0	16.3	15.6	12.9	17.2	25.3	17.7	12.3
Production.....	(NA)	2.2	7.5	7.9	8.6	6.2	4.2	5.0	7.7	11.8	4.8	7
Production.....	(NA)	-	2.4	2.1	3.5	2.2	1.5	1.2	2.3	3.8	4.3	3.5
Production.....	(NA)	1.1	1.3	.9	1.2	1.1	1.2	.8	1.0	1.0	1.0	.8
Production.....	1.5	1.6	.9	1.5	.7	.6	.6	.6	.6	.7	.6	1.0
Production.....	13.4	12.8	16.6	20.0	17.4	15.3	11.7	9.5	11.3	12.9	13.5	14.4
Production.....	81.0	49.5	44.5	45.2	44.2	43.3	42.2	45.1	47.3	47.6	(NA)	(NA)
Production.....	79.1	47.6	43.9	40.8	40.8	40.8	40.8	43.8	45.9	46.2	(NA)	(NA)
Production.....	1.9	1.8	3.7	4.4	3.4	2.5	1.4	1.3	1.4	1.4	1.1	1.5
Price <sup>2</sup> (dollars).....	2.20	3.66	5.58	6.40	24.58	26.00	14.58	8.56	5.76	10.40	11.43	7.49

NA Not available. <sup>1</sup> Reported consumption of purchased scrap. <sup>2</sup> Includes countries not shown. <sup>3</sup> Content of unwrought cobalt and cobalt alloys, and waste and scrap. <sup>4</sup> Includes cobalt sold but not delivered. <sup>5</sup> Stocks only. <sup>6</sup> 1970-77 weighted average based on the market price quoted by a major U.S. cobalt dealer; 1980-86 weighted average "Metals Week" prices. <sup>7</sup> Represents low price for years. Price per 6.40 lb. to 20.00 per lb.

Tables 1182 and 1183: U.S. Bureau of Mines, *Mining Yearbook*.



## No. 1184. NICKEL—SUMMARY: 1970 TO 1985

[Quantities in thousands of short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985 prel.
Mine production.....	16	17	18	14	14	15	15	12	3	-	15	6
Plant production:												
Primary <sup>1</sup> .....	16	14	14	13	11	12	11	10	3	43	10	5
Secondary <sup>2</sup> .....	49	42	47	48	44	57	49	52	43	50	56	57
Imports (est. nickel content).....	156	181	188	195	240	177	189	209	130	52	177	
Exports (gross weight).....	31	30	47	39	36	51	57	47	57	44	59	51
Consumption.....	156	146	183		181	186	156	145	104	128	137	120
Stocks (consumer), Dec. 31.....	25	35	32	19	20	20	15	23	19	20	21	19
Price per pound <sup>3</sup> (dollars).....	1.33	2.20	2.20	2.41	2.10	3.20	2.85	2.85	2.24	2.20	2.22	2.28
World production, est.....	683	680	673	613	725	756	686	600	682	735	633	657

- Represents zero. D Withheld to avoid disclosing company proprietary data. <sup>1</sup> From domestic ores. <sup>2</sup> Includes nickel recovered from iron and steel scrap. <sup>3</sup> Through 1970, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario; thereafter, New York dealer price.

## No. 1185. TIN—SUMMARY: 1970 TO 1985

[In thousands of short tons, except price. See headnote, table 1184, for exclusions]

ITEM	1970		1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1985 prel.
Production: Domestic smelters .....	(b)	7.2	6.5	5.1	3.9	2.2	3.9	2.8	4.4	3.3	3.5	3.5	3.5	
Secondary sources .....	22.4	17.5	23.3	23.7	20.5	7.0	15.8	15.7	17.5	15.8	15.4	15.4	15.4	
Imports for consumption:														
Metal .....	66.7	48.9	51.6	53.3	50.7	50.6	30.8	37.5	45.4	37.3	39.4	39.4	39.4	
Ore (tin content) .....	5.2	7.1	4.3	5.0	.9	.3	2.2	1.1	3.8	1.8	4.3	4.3	4.3	
Exports .....	5.0	4.0	5.2	3.8	7	2.6	6.4	1.5	1.8	1.6	1.7	1.7	1.7	
Price of Straits tin at NY, dol. per lb. <sup>2</sup> .....	1.74	3.40	6.30	7.54	8.46	7.33	6.54	6.55	6.24	5.80	3.70	3.70	3.70	
Consumption .....	83	62	66	69	62	60	51	50	64	56	48	48	48	
World mine production, est .....	256	245	266	270	270	278	242	217	219	208	198	198	198	

D Withheld to avoid disclosure of individual company data. <sup>1</sup> Excludes reexports. <sup>2</sup> See footnote 5, table 1158.

## No. 1186. TUNGSTEN CONCENTRATE—SUMMARY: 1970 TO 1985

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-226, for related data]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1985 prel.
Production:														
Concentrates (80% WO <sub>3</sub> basis) <sup>1</sup> .....	1,000 sh. ton	10.1	5.8	7.0	6.3	6.2	3.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tungsten content.....	ML. lb.	9.3	5.5	6.6	6.0	7.8	3.5	2.2	2.6	2.2	1.7	1.7	1.7	1.7
Shipments from mines:														
Reported value f.o.b. mines.....	ML. dol.	23.8	29.1	55.8	50.8	62.2	22.1	10.5	13.4	9.1	5.8	5.8	5.8	5.8
Avg. value per lb. of tungsten.....	Dollars	2.55	5.30	8.40	8.38	7.86	6.35	4.70	5.20	4.23	3.21	3.21	3.21	3.21
Imports for consumption <sup>2</sup> .....	ML. lb.	1.3	6.9	11.4	11.4	11.8	7.9	6.3	12.6	10.5	5.6	5.6	5.6	5.6
Consumption <sup>3</sup> .....	ML. lb.	16.7	14.0	21.8	20.4	21.7	9.9	11.4	18.9	15.1	10.6	10.6	10.6	10.6
Stocks, <sup>4</sup> end of year.....	ML. lb.	2.2	2.5	1.6	1.4	1.7	4.0	2.5	2.2	2.5	1.2	1.2	1.2	1.2
World production <sup>5</sup> .....	ML. lb.	71.4	84.5	107.1	14.6	110.8	92.9	94.2	110.6	108.5	90.4	90.4	90.4	90.4

NA Not available. <sup>1</sup> A short ton of 80% tungsten trioxide (WO<sub>3</sub>) contains 951.72 pounds of tungsten.

<sup>2</sup> Tungsten content. <sup>3</sup> General imports.

Source of tables 1184-1186: U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1187. URANIUM INDUSTRY—SUMMARY: 1973 TO 1985

[Middle demand case. See table 939. See also *Historical Statistics, Colonial Times to 1970*, series M266-267]

ITEM	Unit	1973	1975	1977	1978	1979	1980		1982	1983	1984	1985
Production.....	1,000 sh. tons	13.2	11.8	14.9	16.5	18.7	21.9	19.2	13.4	10.6	7.4	5.7
Net imports (U <sub>3</sub> O <sub>8</sub> ).....	1,000 sh. tons	-8	.2	.8	-8	-1.6	-1.1	-1.1	6.3	2.4	5.2	3.2
Utility inventories (U <sub>3</sub> O <sub>8</sub> equivalent).....	1,000 sh. tons	(NA)	(NA)	21.5	35.6	42.8	54.4	64.0	68.6	75.0	80.1	76.9
Price (1983 dol./lb U <sub>3</sub> O <sub>8</sub> ):												
Long-term contract price.....	Dollars	20.40	36.50	46.40	45.30	43.10	35.50	29.40	25.90	27.20	22.80	21.10
Spot market price.....	Dollars	13.10	40.80	66.20	62.20	56.40	38.60	26.80	20.80	23.00	16.80	14.30
Delivered price.....	Dollars	14.50	18.10	30.50	31.10	31.80	34.20	35.70	41.80	38.20	31.30	28.85
Capital expenditures (1983 dollars):	ML. dol.	(NA)	451	1,159	1,069	1,060	949	461	173	67	37	32
Mining and milling.....	ML. dol.	(NA)	251	780	617	642	625	300	66	30	12	13
Exploration.....	ML. dol.	100	210	369	452	418	324	161	77	37	25	19
Employment.....	1,000	6.6	9.7	16.8	21.4	22.2	19.9	13.7	9.1	5.8	2.9	1.9
Mining and milling.....	1,000	5.0	7.8	14.8	17.0	18.1	16.5	11.4	8.3	5.2	2.7	1.7
Exploration.....	1,000	1.6	2.0	4.1	4.4	4.1	3.4	2.3	.8	.4	.2	.2

NA Not available. <sup>1</sup> Natural U<sub>3</sub>O<sub>8</sub> only. <sup>2</sup> Includes natural U<sub>3</sub>O<sub>8</sub> (uranium oxide), natural UF<sub>6</sub> (uranium hexafluoride), natural UF<sub>6</sub> under usage agreement, UF<sub>6</sub> at enrichment suppliers, enriched UF<sub>6</sub>, and fabricated fuel. <sup>3</sup> Average U.S. contract price and market price settlements.

Source: U.S. Department of Energy, *Domestic Uranium Mining and Milling Industry*, annual.

## No. 1188. ZINC—SUMMARY: 1970 TO 1986

<sup>1</sup> Thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 248-250, for production]

SM AND STATE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, [prel.]
output, primary slab zinc.....	578	436	480	448	521	376	362	352	340	279	268	279
dol.).....	236	341	310	278	366	281	341	184	215	271	232	212
ic ores.....	404	308	355	285	281	258	286	213	232	218	218	211
ores.....	474	150	85	154	240	120	86	88	28	61	70	89
refined secondary slab zinc.....	77	58	51	38	59	32	55	82	76	88	80	88
common zinc (cents per lb.).....	15.3	39.0	34.4	31.0	37.3	37.4	44.6	38.5	41.4	48.6	40.3	36.0
production, est.....	5,321	5,526	6,407	6,483	8,900	8,688	8,708	8,881	8,835	7,194	7,489	7,345
and refining capacity.....	(NA)	(NA)	7,886	8,487	8,524	(NA)	(NA)	(NA)	8,529	8,800	8,700	8,824
zn, recoverable zinc.....	534	488	488	334	295	380	344	334	308	279	258	294
.....	57	45	40	24	11	15	(D)	(D)	(D)	(D)	(D)	(D)
.....	41	41	31	36	33	31	(D)	(D)	(D)	(D)	(D)	(Z)
.....	51	75	82	65	68	66	58	70	83	50	54	42
.....	59	77	71	29	13	37	41	58	63	(D)	(D)	(D)
.....	118	83	80	97	94	123	130	134	121	128	115	113
.....	208	145	136	83	78	75	118	72	58	101	81	89

to avoid disclosure of individual company data. NA Not available. Z Less than 500 tons.

Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

## No. 1189. BAUXITE—SUMMARY: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series M 256-257]

SM	Unit	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
	ML. lg. ton.....	2.5	2.2	2.0	2.2	1.8	1.8	.9	.8	1.0	.8	.6
	ML. lg. ton.....	2.1	1.8	1.8	1.8	1.5	1.5	.7	.7	.8	.7	.5
	ML. dol.....	30.1	25.1	23.2	24.9	22.4	20.5	12.3	11.3	15.6	12.9	10.4
a, dried)	ML. lg. ton.....	13.6	11.5	13.8	13.6	13.9	12.6	10.0	7.5	9.3	7.0	6.4
	ML. lg. ton.....	7.5	5.4	6.4	6.4	6.0	5.4	4.1	3.1	3.7	1.5	2.1
	ML. lg. ton.....	.5	2.6	3.4	3.9	4.0	3.6	4.3	3.7	3.7	3.7	3.3
	ML. lg. ton.....	2.8	1.8	2.3	1.5	1.3	1.1	.4	.2	.3	.2	.1
	ML. dol.....	158.8	245.1	307.5	366.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
pped)	1,000 lg. ton.....	5	18	23	24	28	40	48	73	81	55	88
	ML. dol.....	.2	1.7	1.5	3.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
ry equivalent)	ML. lg. ton.....	15.7	12.4	14.5	15.4	15.7	13.3	8.1	8.0	10.4	8.1	6.8
in, est	ML. lg. ton.....	58.9	73.8	79.7	84.2	87.8	84.0	78.1	77.4	86.4	83.0	84.8

table. <sup>1</sup> Includes countries not shown separately. <sup>2</sup> Source: U.S. Bureau of the Census. See footnote 1, table

pt as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1190. ALUMINUM—SUMMARY: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

SM	Unit	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
	ML. sh. ton.....	4.8	4.9	6.1	6.4	6.5	6.4	5.2	5.4	6.4	5.8	5.3
an	ML. sh. ton.....	4.0	3.9	4.8	5.0	6.1	4.0	3.6	3.7	4.5	3.9	3.3
y	ML. sh. ton.....	4.3	5.0	5.2	5.3	5.6	5.5	5.5	5.5	6.4	5.2	4.5
rium <sup>1</sup>	ML. sh. ton.....	.8	1.0	1.3	1.4	1.4	1.6	1.6	1.7	1.9	1.9	2.0
ary metal)	BL. dol.....	2.6	3.7	6.8	7.8	9.3	9.8	8.0	8.5	10.4	(NA)	(NA)
um	BL. dol.....	2.2	3.0	5.2	6.1	7.3	7.5	5.5	5.8	7.3	6.2	5.4
per lb. <sup>2</sup> )	Cents/lb.....	28.7	39.8	54.0	61.0	71.8	78.0	78.0	77.8	81.0	81.0	81.0
uminum	BL. dol.....	.5	.8	1.4	1.7	2.0	2.3	2.5	2.7	3.1	(NA)	(NA)
umption <sup>3</sup>	1,000 sh. ton.....	486	550	1,080	840	713	935	988	1,203	1,826	1,986	2,188
	BL. dol.....	.2	.4	1.1	1.0	1.0	1.4	1.3	1.6	2.5	2.0	2.7
	1,000 sh. ton.....	612	440	520	773	1,483	867	824	855	608	1,001	830
	BL. dol.....	.4	.4	.7	1.1	2.4	1.5	1.2	1.3	1.3	1.3	1.2
at domestic)	ML. sh. ton.....	4.5	4.6	6.8	6.9	6.1	6.2	5.6	6.4	7.2	7.0	7.2
in, est	ML. sh. ton.....	10.8	13.4	15.6	16.0	17.0	16.8	14.8	15.3	17.3	18.9	18.8
capacity	ML. sh. ton.....	12.0	15.4	18.9	19.4	18.7	19.0	19.2	19.5	20.1	19.9	19.8

table. <sup>1</sup> Recoverable aluminum content from scrap, old and new. <sup>2</sup> Based on published producers' prices for  
<sup>3</sup> Average of prices for primary aluminum, 1970-1978, quoted by *American Metal Market*; thereafter *Metals*  
 and semicrude (including metal and alloys, plates, bars, etc., and scrap). <sup>4</sup> Compiled by Aluminum  
 in data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and  
 inventories and net trade.

Bureau of Mines, *Minerals Yearbook*.

## No. 1191. MAGNESIUM—SUMMARY: 1970 TO 1986

(In thousands of short tons, except as indicated. Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals)

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1986
Production (domestic).....	124	148	159	185	200	208	200	145	181	207	198
Primary <sup>1</sup> .....	112	120	126	149	162	168	154	102	115	159	150
Secondary (recovered from scrap).....	12	28	33	36	37	40	46	43	66	48	48
Exports.....	36	53	28	42	54	57	35	40	47	48	40
Value (mil. dol.).....	22.5	48.2	51.8	75.8	113.8	127.7	90.8	104.8	124.7	136.7	113.8
Imports.....	3	8	6	7	5	4	7	6	8	9	9
Value (mil. dol.).....	2.5	11.5	8.0	10.1	9.0	8.3	17.6	15.8	18.3	25.7	25.1
Consumption.....	89	94	104	108	108	98	91	75	82	90	84
Castings and wrought products.....	29	19	20	18	19	17	15	14	15	14	17
Alloys (aluminum).....	37	47	56	59	61	54	51	40	46	48	41
Other.....	33	28	28	31	28	24	25	21	21	27	26
Price per pound (cents).....	35	62	96-99	99-101	101-108	107-125	125-134	134	138	143-148	148-183
World production (primary).....	242	258	284	318	339	348	340	280	286	380	361

<sup>1</sup> For 1975-1980, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production.

## No. 1192. PLATINUM-GROUP METALS—SUMMARY: 1970 TO 1986

(In thousands of troy ounces, except as indicated. The platinum group is comprised of six closely related metals. The metals commonly occur together in nature and are among the scarcest of the metallic elements. The metals are refractory, are chemically inert toward a wide variety of materials even at high temperatures; are used as catalysts in the chemical, petroleum refining, and automotive industries, and as corrosion-resistant materials in the chemical, electrical, glass, and dental-medical industries)

ITEM	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
World mine production, total <sup>2</sup> .....	4,338	5,714	8,440	8,487	8,848	8,831	8,434	8,525	7,648	7,938	7,894
United States.....	17	19	8	7	3	7	8	6	15	(D)	(D)
U.S.S.R.....	2,200	2,850	3,180	3,200	3,250	3,350	3,500	3,600	3,700	3,900	3,850
South Africa.....	1,503	2,800	2,880	3,017	3,160	3,110	2,800	2,800	3,500	3,700	3,800
Primary refined.....	21	17	8	8	3	7	9	8	24	7	34
Secondary refined.....	350	270	257	308	331	382	344	303	■	258	291
Imports.....	1,411	1,820	2,821	3,479	3,502	2,850	2,494	3,218	4,474	3,980	4,477
Value (mil. dol.).....	108	273	450	841	1,177	900	554	753	1,118	1,026	1,347
Exports.....	414	650	703	900	765	883	838	1,229	1,182	889	751
Value (mil. dol.).....	43	88	102	202	341	302	182	310	276	187	202
Consumption <sup>3</sup> .....	1,331	1,308	2,280	2,756	2,208	1,921	1,873	1,814	2,200	2,271	2,298
Industry stocks, Jan. 1.....	1,086	1,122	1,013	861	781	973	918	1,107	943	1,319	1,128
Producer price per troy ounce (dol.):											
Platinum.....	133	164	237	352	439	475	475	475	475	475	518
Palladium.....	36	93	71	113	214	130	110	130	147	127	131
Rhodium.....	215	338	510	733	786	841	800	800	825	915	1,188
Iridium.....	156	477	380	257	506	■	800	800	800	800	800
Ruthenium.....	53	80	56	45	45	45	45	45	45	(?)	(?)
Osmium.....	215	200	150	150	150	150	137	110	(?)	(?)	(?)

D Withheld to avoid disclosing company proprietary data. <sup>1</sup> Preliminary. <sup>2</sup> Includes countries not shown separately. <sup>3</sup> Reported sales to consumers. <sup>4</sup> Price suspended June 7, 1984. <sup>5</sup> Price suspended Jan. 13, 1984.

## No. 1193. TITANIUM—SUMMARY: 1970 TO 1986

(In 1986, approximately 69 percent of the titanium metal was used in jet engines, airplanes, and space and missile applications; approximately 20 percent was used in the chemical processing industry, power generation, and in marine and ordnance applications; and 17 percent in steel and other alloys)

ITEM	Unit	1970	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986
Sinterite concentrates:												
Mine shipments.....	1,000 sh. ton	821	702	581	846	584	524	233	(D)	(D)	(D)	(D)
Value.....	Mil. dol.	18.6	28.9	25.6	38.0	32.0	37.0	19.1	(D)	(D)	(D)	(D)
Imports.....	1,000 sh. ton	96	122	309	184	357	236	348	258	410	807	488
Value.....	Mil. dol.	1.0	2.1	4.5	2.8	6.7	5.8	8.8	9.3	11.1	14.8	18.8
Consumption.....	1,000 sh. ton	972	748	792	791	849	858	683	731	783	756	808
Titanium dioxide pigments:												
Production.....	1,000 sh. ton	655	803	701	742	727	781	880	780	836	880	817
Imports for consumption.....	1,000 sh. ton	80	26	118	105	96	125	139	175	184	186	208
Apparent consumption.....	1,000 sh. ton	(NA)	808	802	837	733	806	741	853	918	981	888
Price, Dec. 31:												
Anatase.....	Cents/lb	28	38	48	53	57	69	68	69	69	72	77
Rutile.....	Cents/lb	26-27	44	51	59	63	75	76	76	76	76	82
World production:												
Sinterite concentrate.....	1,000 sh. ton	3,108	3,184	3,875	3,910	4,107	4,021	3,338	2,948	3,785	3,793	3,788
Titanium slag.....	1,000 sh. ton	853	832	1,037	842	1,313	1,246	1,157	1,180	1,280	1,410	1,417
Rutile concentrates, natural <sup>1</sup> .....	1,000 sh. ton	480	422	333	380	480	389	373	342	378	414	438

D Withheld to avoid disclosing company proprietary data. NA Not available. <sup>1</sup> Excludes U.S. production data to avoid disclosing company proprietary data. <sup>2</sup> Estimated.

Source of tables 1181-1183: U.S. Bureau of Mines, Minerals Yearbook.

## No. 1184. CHROMITE—SUMMARY: 1970 TO 1986

[In thousands of short tons, except as indicated]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Production <sup>1</sup>	1,405	1,252	1,013	1,024	982	896	507	190	305	414	468
Value, mil. dol.	21.8	50.7	51.4	56.6	56.5	49.9	29.7	10.4	15.5	20.2	21.7
Imports	407	289	480	353	406	482	277	144	238	301	341
Exports	248	349	157	250	170	111	34	(2)	-	-	22
Stocks, end of year	210	210	185	194	138	145	70	13	48	41	19
Consumption <sup>2</sup>	41	136	23	27	8	71	6	11	55	101	98
Imports	73	45	29	26	44	57	5	5	4	4	1
Exports	1,403	881	1,010	1,214	977	889	558	320	512	590	427
Industry	912	532	534	774	577	503	283	54	226	273	377
Industry	183	237	198	180	148	80	72	87	85	85	50
Industry	213	186	236	242	240	238	195	184	189	222	(?)
SI (consumer)	733	952	1,301	907	675	726	546	456	327	300	314
SI	6,572	9,136	12,064	10,277	10,915	10,016	9,231	9,131	10,756	11,530	11,394
SI	1,573	2,288	3,488	3,834	3,783	3,184	2,880	2,762	3,756	4,077	3,840
SI	1,930	2,290	3,640	2,535	3,200	3,200	3,240	3,240	3,240	3,240	3,250
SI	624	573	595	813	547	484	355	294	288	300	202

1. zero. 2. Fewer than 500 short tons. 3. Includes countries not shown separately. 4. For 1986, chemical with metallurgical industry.

Bureau of Mines, Minerals Yearbook.

## No. 1195. FERROALLOYS—SUMMARY: 1970 TO 1986

Production data for ferroalloys are developed by the Bureau of Mines by means of monthly and annual surveys. Defined as an alloy of iron and contains a sufficient amount of one or more chemical elements to be useful as an adding these elements into molten metal, usually steel. The major consumers of ferroalloys are the steel and y industries; see tables 1275-1278]

ITEM	QUANTITY (1,000 sh. tons)						VALUE (mil. dol.)					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Production <sup>1</sup>	2,488.6	1,788.1	1,486.1	1,153.9	941.7	854.8	548.1	808.7	1,129.9	790.6	698.2	664.6
Imports	807.4	558.1	194.3	185.5	159.8	111.8	134.5	222.5	99.6	106.3	100.9	90.9
Exports	173.0	128.4	181.6	(?)	(?)	(?)	32.0	53.9	70.3	(?)	(?)	(?)
SI	(NA)	22.1	(NA)	(?)	(?)	(?)	(NA)	(NA)	(NA)	(?)	(?)	(?)
SI	659.2	708.9	681.4	496.1	404.7	371.3	196.2	321.5	442.6	259.4	190.4	218.4
SI	97.7	131.1	124.5	139.4	121.6	126.1	(NA)	(NA)	(NA)	171.8	157.2	148.8
SI	370.9	223.5	237.5	120.8	108.5	115.7	126.3	177.5	179.9	102.1	97.7	87.6
SI	1.4	.5	1.3	(D)	(D)	(D)	9.4	3.5	34.5	9.8	8.8	(D)
SI	178.1	96.0	85.4	113.5	54.9	53.6	6.5	10.9	13.1	18.1	7.9	7.2
SI	(NA)	(NA)	165.5	133.5	108.0	83.7	(NA)	(NA)	173.8	185.0	136.3	116.2
SI	151.1	97.4	128.5	124.8	98.5	72.8	55.7	58.9	93.1	68.7	63.4	39.2
SI	(NA)	(NA)	27.0	8.8	7.5	10.8	(NA)	(NA)	80.7	98.1	71.9	78.0
SI	(NA)	(NA)	14.4	4.4	2.1	5.4	(NA)	(NA)	85.5	88.5	61.8	65.2
SI	3.0	3.3	12.3	4.1	5.2	5.1	2.0	3.3	11.5	5.9	7.2	7.9
SI	(NA)	927.3	1,148.1	1,226.0	1,131.2	1,314.2	(NA)	452.8	643.7	429.4	600.6	641.3
SI	385.5	913.6	1,115.9	1,178.8	1,086.9	1,259.2	60.5	488.0	585.9	537.0	488.4	544.6
SI	305.5	451.9	683.5	548.0	532.7	584.5	33.3	151.4	240.8	162.5	155.9	179.4
SI	22.4	70.4	71.2	143.7	165.4	223.0	4.1	42.0	42.6	72.9	74.0	100.6
SI	41.3	322.9	302.3	433.8	335.0	397.6	8.8	192.7	155.8	187.2	158.6	178.4
SI	(NA)	13.7	33.2	43.2	64.3	56.0	(NA)	18.9	57.8	92.4	112.0	96.6
SI	(NA)	7.7	21.3	25.2	51.8	40.9	(NA)	5.2	21.4	55.4	63.4	65.2
SI	1.9	1.6	4.1	4.7	4.0	4.6	3.1	8.8	28.4	24.1	19.8	21.6
SI	1.3	4.4	7.9	13.3	8.6	9.7	.8	4.0	8.0	13.0	9.1	9.6

to avoid disclosure of individual company data. NA Not available. 1. Includes other not shown separately. 2. Included with ferromanganese.

Bureau of Mines, Minerals Yearbook.

## No. 1196. BERYLLIUM—SUMMARY: 1970 TO 1986

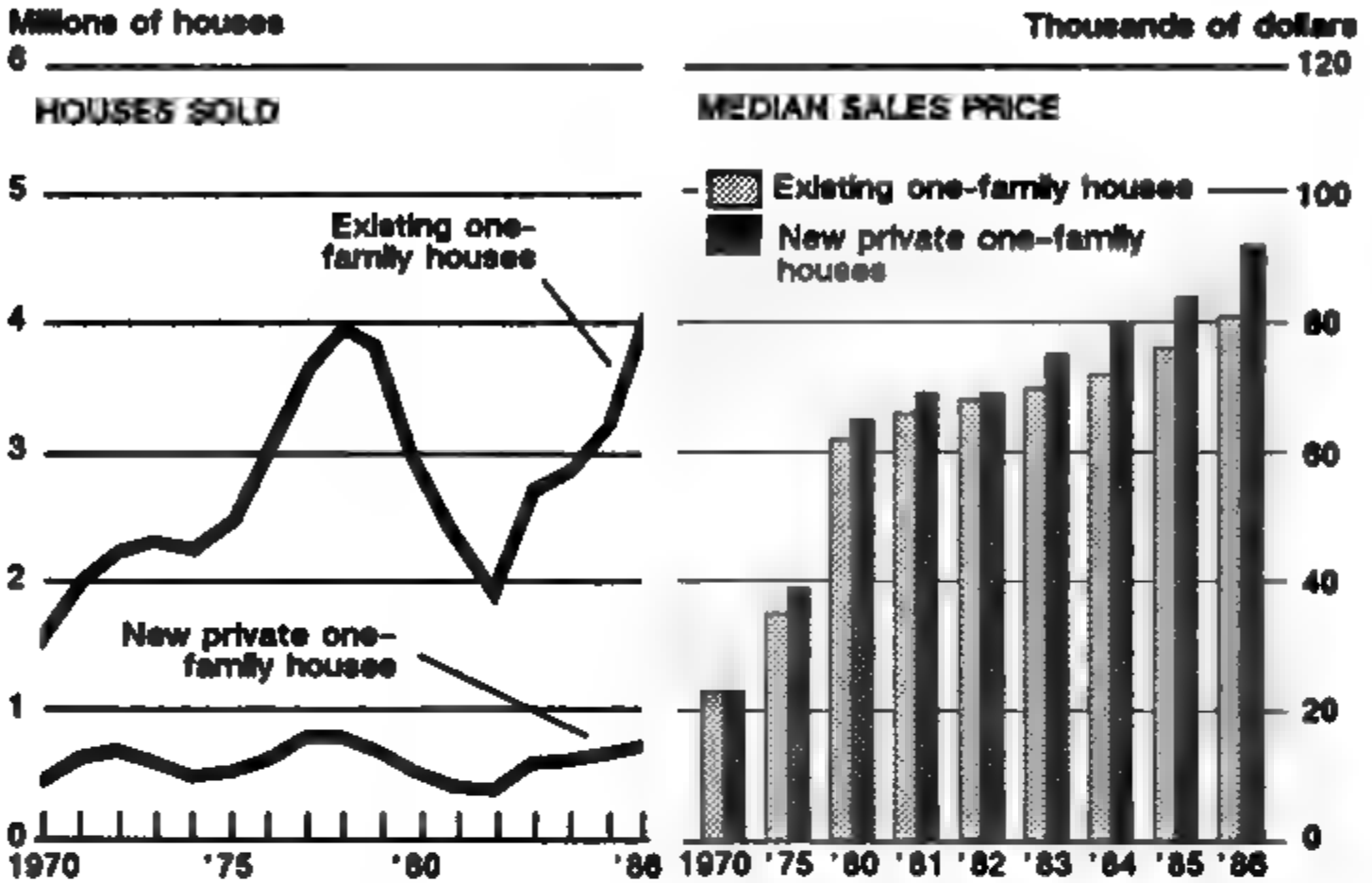
except as indicated Represents beryllium mineral concentrates. Beryllium has great stiffness, (exceeding that of including steels), useful heat dissipation properties, a very high strength-to-weight ratio, useful nuclear moderating properties, and excellent corrosion resistance. Its major use is as a beryllium-copper alloy in communications, lighting, and other electronic and electrical applications]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Production	4,942	1,479	1,031	1,037	1,703	2,139	2,952	2,184	1,332	1,546	1,510
Imports	9,496	4,850	5,916	9,518	8,508	8,141	5,387	6,988	9,003	(NA)	(NA)
Exports	36	32	40	47	68	84	121	128	88	87	88
SI	5,896	3,548	1,346	836	1,350	2,223	5,112	7,037	5,853	(NA)	(NA)
SI	6,857	3,290	2,888	2,842	10,272	10,809	9,003	9,950	9,950	9,975	9,974

table. 1. Includes bertrandite ore which was calculated as equivalent to beryl containing 11% BeO.

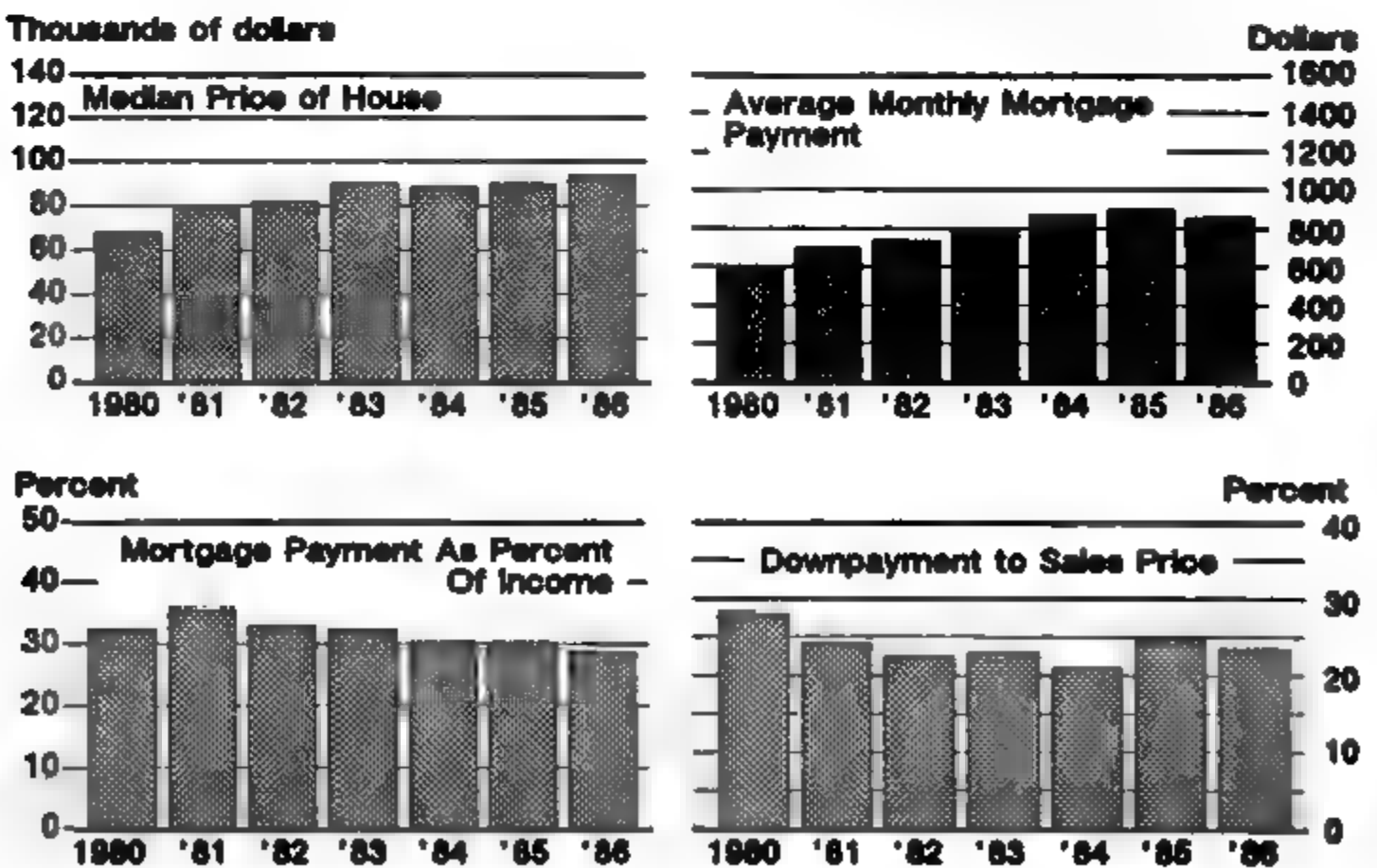
Bureau of Mines, Minerals Yearbook.

Figure 26.1  
Houses Sold and Sales Price: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1212, 1213 and 1215.

Figure 26.2  
Recent Home Buyers-General Characteristics: 1980 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1231.



## Section 26

# Construction and Housing

presents data on the construction industry and on various indicators of its activity housing units and their characteristics and occupants; on public housing; on mort-commercial buildings.

al source of these data is the U.S. Bureau of the Census, which issues a variety of ations. Construction statistics compiled by the Bureau appear in its monthly *Construc-*eries with various quarterly or annual supplements; *Housing Starts* and *Housing Com-*nt data by type of structure and by 4 major census regions; *New One-Family Houses* *Sale* also provides statistics annually on physical and financial characteristics for all by the 4 major census regions; *Value of New Construction Put in Place* includes osite construction cost indexes; *Price Index of New One-Family Houses Sold* pre-/ figures and annual regional data; and *Housing Units Authorized by Building Permits* imately 17,000 permit-issuing jurisdictions in the United States. Statistics on expendi-ns of residential properties are issued quarterly and annually in *Residential Alterations* Reports of the censuses of construction industries (see below) are also issued on

as Bureau publications include the *Current Housing Reports* series, which comprises *ousing Vacancies*, the quarterly *Market Absorption of Apartments*, the Annual Hous-nd reports of the censuses of housing and of construction industries. *Construction* shed quarterly by the International Trade Administration, U.S. Department of Com-is many of the census series and other construction statistics series from the Federal nd private agencies.

es include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, rformation Systems Company, New York, NY, which presents State data on construc- the National Association of Home Builders with State-level data on housing starts; L ASSOCIATION OF REALTORS, which presents data on existing home sales; the nomic Analysis, which presents data on residential capital and gross housing prod-ederal Home Loan Bank Board, the Department of Housing and Urban Development e Veterans Administration, which publish financial data. Data on conventional home ) provided by the Federal Home Loan Bank Board. The Department of Housing and )ment provides data on the gross flow of long-term mortgage loans in its study, *The tpage Credit, 1970-1979*. Data on mortgages insured by the Federal Housing Admin- ) and on VA-guaranteed loans are also presented in this section. The Energy Informa- tion provides data on commercial buildings through its periodic sample surveys.

and surveys.—Censuses of the construction industry were first conducted by the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every years ending in "2" and "7"). The latest reports are for 1982.

ensus of Construction Industries, in accordance with the 1972 *Standard Industrial Manual* (see text, section 13), defines a construction establishment as a relatively ice of business where the usual business activities related to construction are con-

through 1930, the Bureau of the Census collected some housing data as part of its opulation and agriculture. Beginning in 1940, separate censuses of housing have 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units d and issued on occupancy and structural characteristics, plumbing facilities, value,

udies of the 1950, 1960, 1970, and 1980 censuses estimated the underenumeration ousing units at 2.9 percent, 2.4 percent, 1.7 percent, and 1.5 percent respectively. ite in 1980 for all housing units was 2.6 percent or approximately 2.3 million units, 1 h were vacant housing units.



The Annual Housing Survey (*Current Housing Reports*, series H-150 and H-170), which began in 1973, provided an annual and ongoing series of data on selected housing and demographic characteristics until 1983. In 1984 the name of the survey was changed to the American Housing Survey. It is currently based on a biennial national sample and on 11 annual MSA samples. All samples represent a cross section of the housing stock in their respective areas. Estimates are subject to both sampling and nonsampling errors; caution should therefore, be used in making comparisons with 1970 and 1980 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

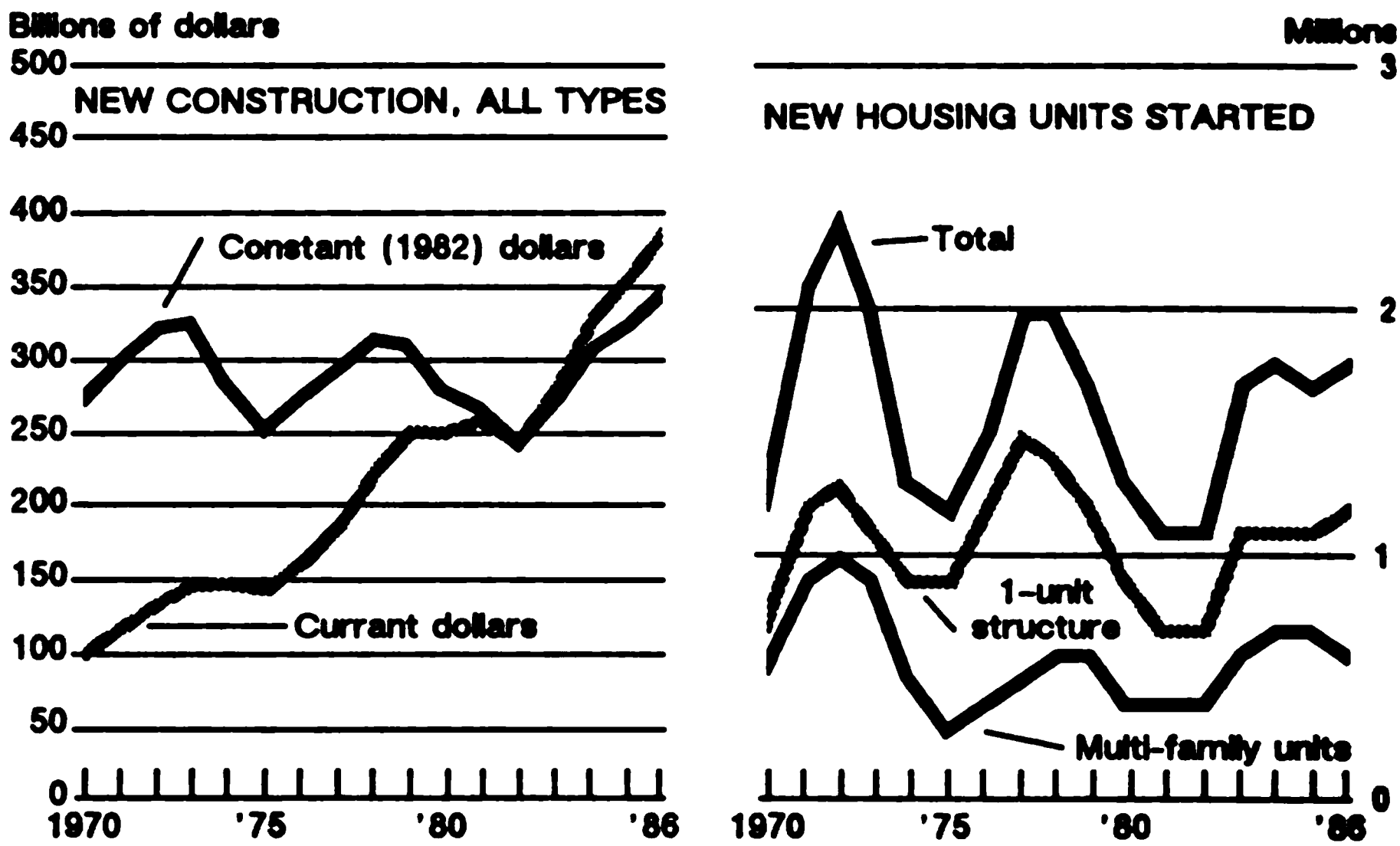
**Housing units.**—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Figure 26.3  
Value of New Construction and Housing  
Units Started: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1200 and 1208.

## 1. 1197. CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1972 TO 1982

ability sample of about 167,000 construction establishments with payroll in 1972, 161,000 in 1977, and 172,000 in 1982; see Appendix III, N.E.C.—Not elsewhere classified]

INDUSTRY	Estab- lish- ments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added <sup>2</sup> (mil. dol.)
		Total	Con- struction workers	Total	Con- struction workers	Total	Net construction <sup>1</sup>	
.....	437.9	4,146	3,467	40,806	32,167	155,899	111,232	66,197
uction.....	430.0	4,083	3,464	39,528	32,036	152,722	110,716	67,810
ing contractors.....	133.1	1,450	938	10,159	7,740	84,350	33,245	17,864
uction contractors.....	26.0	827	709	9,255	7,537	31,481	25,357	16,200
contractors.....	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,726
.....	480.0	4,273	3,566	54,980	43,112	224,886	164,516	96,864
uction.....	474.9	4,234	3,546	54,566	42,963	221,622	163,463	96,116
ing contractors.....	156.0	1,181	963	13,537	10,041	69,787	46,262	25,040
uction contractors.....	31.3	917	757	14,267	10,966	50,726	40,272	26,573
contractors.....	287.7	2,136	1,827	26,762	21,934	81,106	74,929	46,502
.....	486.7	4,276	3,463	76,886	60,176	324,512	233,267	146,866
uction.....	450.8	4,235	3,438	76,097	60,017	321,100	232,005	144,846
ing contractors.....	123.2	964	756	17,049	11,847	117,111	57,267	33,666
ly houses.....	72.1	310	253	3,606	2,749	20,129	14,116	7,877
ertial buildings.....	7.5	63	50	1,076	760	7,953	3,570	1,951
uilders.....	14.1	106	53	1,874	710	18,085	8,641	5,492
uildings and warehouses.....	7.4	154	122	3,231	2,344	18,116	9,294	5,766
ial buildings, n.e.c.....	22.1	360	276	7,260	5,065	52,825	21,547	12,512
uction contractors.....	26.2	862	703	19,444	15,359	71,024	54,854	36,060
nd street construction.....	10.1	219	160	3,866	3,136	19,035	14,067	6,833
rail, and elevated highway.....	1.0	38	32	816	665	3,548	2,812	1,466
er, and utility lines.....	9.4	187	160	3,576	2,807	12,129	10,462	7,005
struction, n.e.c.....	7.7	415	329	11,063	8,649	36,310	26,362	16,963
contractors <sup>2</sup> .....	290.4	2,369	1,879	41,806	33,011	132,965	119,984	75,299
heating, air-conditioning.....	60.2	512	396	9,691	7,477	33,521	26,846	16,862
perhanging, decorating.....	24.8	136	121	1,876	1,569	4,666	4,399	3,360
ork.....	39.6	435	352	9,107	7,347	26,441	25,252	15,123
nd other stonework.....	20.2	121	110	1,551	1,344	4,333	4,046	2,667
drywall, insulation.....	16.4	200	172	3,573	2,930	10,206	9,215	6,006
ng.....	30.8	133	117	1,612	1,352	5,512	4,759	2,829
id sheet metal work.....	21.1	191	159	3,036	2,321	10,034	9,315	5,460
ork.....	20.0	167	136	2,310	1,802	8,377	7,447	4,492
steel erection.....	3.7	62	53	1,291	1,056	3,660	3,233	2,376
and foundation work.....	19.6	136	115	2,152	1,757	8,473	7,337	5,607
elding equipment, n.e.c.....	3.8	60	49	1,449	1,145	4,256	3,971	2,952
de contractors, n.e.c.....	25.1	172	136	2,960	1,931	9,379	6,324	5,306
d developers, n.e.c.....	5.9	40	18	569	157	3,425	1,263	1,019

receipts less payments for construction work subcontracted to others, not shown separately. <sup>2</sup> Total receipts for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately. Includes other industries each with less than \$3.0 billion in total receipts, not shown separately.

ureau of the Census, *Census of Construction Industries, 1972, 1977, and 1982*, series CC.

## 1196. CONSTRUCTION MATERIALS—PRODUCER PRICE INDEXES: 1970 TO 1986

apt as noted. For discussion of producer price index, see text, section 15. Covers materials incorporated as a building or normally installed during construction and not readily removable. Excludes consumer durables such as cars, refrigerators, etc. See also *Historical Statistics, Colonial Times to 1970*, series N 140-155]

MODITY	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986
.....	112.6	174.0	226.3	251.4	266.4	283.0	296.0	297.7	296.4	296.8	296.3
Douglas fir.....	106.7	212.0	339.7	363.6	353.0	311.6	296.2	361.5	311.5	336.8	331.5
.....	114.7	175.3	304.6	324.2	297.4	291.6	285.9	319.9	319.8	300.7	299.5
.....	114.6	160.3	235.9	260.0	252.0	266.2	262.4	283.7	319.7	307.2	310.1
.....	116.0	160.4	235.4	264.3	260.4	273.4	279.4	302.3	307.9	312.1	317.5
.....	108.4	161.2	235.6	250.5	246.5	245.7	232.1	244.1	241.6	231.3	235.3
al board.....	101.0	127.1	187.4	182.4	206.2	231.7	239.5	260.0	259.0	257.2	260.7
.....	112.4	166.9	182.3	204.4	235.3	249.8	262.6	264.7	272.5	276.8	251.2
ducts:											
on.....	113.2	227.8	296.6	303.4	335.3	394.2	416.8	406.4	405.8	406.1	402.6
g <sup>1</sup> .....	42.9	77.4	80.9	101.4	106.7	107.0	99.7	92.4	96.9	101.1	102.2
ete and strip <sup>1</sup> .....	34.0	58.7	75.3	83.8	86.1	97.9	100.0	106.3	113.7	113.7	107.3
.....	114.6	241.4	273.5	296.5	331.9	356.9	365.3	358.0	365.9	365.9	364.5
products.....	124.7	171.6	207.6	261.7	305.0	295.8	263.6	276.1	277.1	262.5	259.7
n tube, 6,000.....											
.....	100.7	159.9	189.7	218.1	242.2	295.9	262.9	265.5	310.5	310.5	310.6
brass fittings.....	111.2	162.3	199.1	217.1	246.7	267.5	278.7	269.3	302.7	311.8	322.1
.....	110.6	150.7	174.4	187.1	206.5	224.2	237.2	243.8	252.9	259.7	269.3
.....	113.0	162.5	207.6	229.6	255.2	278.6	290.5	296.8	309.6	311.9	316.4
.....	112.6	172.3	217.7	244.0	274.0	296.3	310.0	313.3	325.7	336.2	336.9
.....	112.2	170.5	214.0	244.1	273.9	291.2	297.6	302.0	309.6	320.1	325.1
ducts.....	108.9	151.2	197.2	217.9	231.5	249.6	260.6	277.6	286.6	295.9	306.1
.....	99.7	144.0	229.1	252.3	256.3	256.2	256.1	266.0	346.7	336.6	350.7
coatings.....	102.7	225.9	292.0	325.3	366.6	407.5	368.4	364.0	369.5	406.7	399.6
.....	123.2	196.2	250.7	256.3	287.9	(NA)	358.6	369.7	370.7	374.9	377.6

file. <sup>1</sup> June 1962 = 100. <sup>2</sup> Dec. 1969 = 100.

ureau of Labor Statistics, *Producer Price Indexes, monthly and annual*.

## No. 1188. PRICE AND COST INDEXES FOR CONSTRUCTION: 1970 TO 1986

(1982=100. Excludes Alaska and Hawaii. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 116-137, for construction cost indexes on a 1947-49 base.)

NAME OF INDEX	1970	1975	1976	1979	1980	1981	1983	1984	1985	1986
Price index for new one-family houses sold <sup>1</sup>	35.1	52.3	70.4	80.1	88.8	97.0	102.6	106.3	108.4	111.3
Dept. of Commerce composite <sup>2</sup>	55.1	68.4	71.5	80.9	89.7	97.1	102.8	106.4	108.6	111.8
Federal Highway Admin., Highways <sup>3</sup>	39.5	65.9	81.3	97.1	111.0	106.7	99.8	105.6	117.2	116.9
Bureau of Reclamation composite <sup>4</sup>	37	59	71	78	87	85	101	103	105	108
Federal Energy Regulatory Commission:										
Pipeline	37	63	76	82	91	99	101	103	(NA)	(NA)
Turner Construction Co. Building construction <sup>5</sup>	40	61	66	78	84	93	105	111	115	119
E.H. Boeckh, building cost index: <sup>6</sup>										
Small residential structures	36.3	57.4	73.9	80.7	87.4	92.2	105.9	111.9	116.1	117.3
Apartments, hotels, and office buildings	38.3	57.1	71.0	78.5	83.4	91.6	106.4	111.2	113.0	114.8
Commercial and factory buildings	36.6	56.2	70.8	77.1	84.1	92.2	105.3	109.4	111.3	113.2
Engineering News-Record: <sup>7</sup>										
Building construction	37.4	58.5	74.9	81.4	87.0	93.9	106.7	108.2	108.7	111.2
General construction	36.2	57.8	72.6	78.5	84.6	92.5	106.3	108.4	108.7	112.1
Handy-Whitman public utility: <sup>8</sup>										
Building	37	66	77	86	96	100	103	107	110	113
Electric light and power <sup>9</sup>	35	60	72	79	87	95	103	105	107	107

NA Not available. <sup>1</sup> Excludes value of site. <sup>2</sup> Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. <sup>3</sup> Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). <sup>4</sup> Derived from the four quarterly indexes which are weighted averages of costs of labor, materials, and equipment for the construction of dams and reclamation projects. <sup>5</sup> Eastern office. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. <sup>6</sup> Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. <sup>7</sup> Building construction index computed on basis of hypothetical unit of construction requiring 4 bbl. of portland cement, 1,066 lb. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.36 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. <sup>8</sup> Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. <sup>9</sup> As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review* bi-monthly.

## No. 1200. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1960 TO 1986

(In millions of dollars. Represents value of construction put in place during year, differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69.)

YEAR	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	Total	Private			Public	Total	Private			Public
		Total	Residential buildings	Nonresidential buildings			Total	Residential buildings	Nonresidential buildings	
1960	54,736	36,875	22,975	10,149	15,863	(NA)	(NA)	(NA)	(NA)	(NA)
1965	78,474	56,554	30,235	17,995	21,920	276,033	198,783	107,240	63,223	77,299
1966	61,812	57,906	28,811	18,701	23,848	275,956	195,318	86,982	66,586	60,837
1967	63,521	58,144	28,737	18,856	25,377	272,994	189,976	84,372	61,929	62,898
1968	93,183	85,745	34,172	18,402	27,437	286,451	203,456	108,280	68,942	64,886
1969	100,464	72,671	37,214	22,530	27,793	291,289	210,743	108,836	64,348	60,548
1970	101,261	73,374	35,863	22,770	27,908	277,818	202,989	102,285	60,951	74,859
1971	117,904	86,205	46,514	23,672	29,699	302,795	229,096	130,477	58,788	73,689
1972	133,887	103,857	60,893	28,025	30,030	323,535	253,192	152,562	59,959	70,543
1973	147,388	115,020	65,085	29,949	32,348	327,299	257,108	148,976	65,809	70,184
1974	147,783	109,631	55,967	31,325	38,132	285,186	218,795	116,514	59,274	69,399
1975	144,311	102,810	51,581	27,545	41,702	255,670	186,284	98,542	46,037	68,287
1976	162,953	122,084	68,273	27,028	40,889	278,864	210,507	122,513	48,138	68,357
1977	186,046	148,807	92,004	29,893	39,441	295,878	235,388	148,320	47,114	60,549
1978	225,934	178,440	109,638	37,580	47,485	315,895	251,057	154,884	58,510	64,839
1979	252,411	200,720	118,444	49,506	51,690	311,973	250,349	144,450	62,877	61,824
1980	251,719	193,251	100,281	55,431	58,488	280,741	218,813	112,972	63,833	61,826
1981	280,180	203,611	98,241	64,895	58,549	268,055	211,039	102,140	67,758	57,016
1982	246,588	192,855	84,676	69,365	53,713	248,821	192,812	84,883	68,325	53,808
1983	281,286	227,494	125,521	65,676	53,772	274,106	220,731	122,089	63,234	53,377
1984	328,641	270,877	153,848	81,147	57,684	306,770	253,483	144,389	74,767	58,287
1985	365,994	291,685	158,474	85,317	64,328	324,817	266,642	145,787	85,487	58,175
1986	366,817	316,589	167,148	91,171	72,228	347,631	283,585	168,582	79,829	64,288

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

## No. 1201. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1970 TO 1986

dollars, except percent. Represents value of construction put in place during year; differs from building permit and contract data in timing and coverage. Includes installed cost of normal building service equipment and selected special production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of dredging equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-60.

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Value of new construction put in place	101,281	144,311	252,411	251,718	280,180	248,558	281,288	328,641	355,984	388,317
Annual percent change <sup>1</sup>	5.2	7.3	11.7	-.3	3.4	5.2	14.1	16.8	8.3	9.2
Total	73,374	102,610	200,730	183,251	203,611	192,858	227,484	270,977	291,865	316,588
	72.4	71.1	79.5	73.8	73.3	78.2	80.9	82.5	81.9	81.4
Buildings <sup>2</sup>	35,863	51,581	118,444	100,381	99,241	84,678	125,521	153,848	158,474	187,148
Single units	27,059	38,317	89,272	68,829	69,424	57,001	84,649	113,826	114,882	133,182
Multi-unit	17,541	29,838	72,257	52,821	51,965	41,462	72,203	85,805	86,123	102,154
Nonresidential	9,518	8,879	17,015	18,708	17,460	15,538	22,447	28,221	28,539	31,098
Residential	8,604	15,264	27,172	30,752	29,817	27,875	30,872	40,023	43,812	53,958
Industrial buildings <sup>3</sup>	22,770	27,545	49,505	55,431	64,895	69,355	65,675	81,147	95,317	91,171
Manufacturing	6,537	8,018	14,950	13,837	17,030	17,343	12,851	13,745	15,789	13,747
Warehousing	(*)	4,873	9,451	13,318	17,473	23,049	20,768	25,940	31,580	28,591
Other	1,307	1,072	2,150	2,830	3,718	4,101	5,185	6,751	7,301	7,451
Commercial buildings <sup>4</sup>	9,753	7,833	15,483	18,827	18,775	14,235	15,025	22,167	28,048	28,170
Retail	829	867	1,548	1,837	1,865	1,543	1,780	2,132	2,409	2,702
Office	815	834	883	1,243	1,331	1,475	1,583	1,880	1,886	2,343
Institutional	2,529	3,209	3,530	4,048	4,907	5,875	6,559	6,297	5,583	5,422
Other	800	839	1,540	1,794	1,788	1,733	1,905	2,455	2,729	2,745
Sanitary	1,875	3,731	5,586	5,274	4,812	3,882	3,255	3,161	2,187	2,048
Water supply	11,920	18,884	27,732	30,915	33,795	33,864	31,579	30,915	32,952	33,948
Sewer and telegraph	2,968	3,683	6,343	6,733	7,074	7,110	6,471	7,174	7,484	8,427
Gas and electric	8,952	15,001	21,389	24,181	26,721	28,754	25,108	23,741	25,468	25,520
Light, power <sup>5</sup>	581	949	2,195	2,319	2,280	2,585	2,951	3,513	4,048	3,088
Other	5,807	9,868	14,821	16,048	17,774	18,313	17,836	15,654	15,968	16,956
Transportation	2,299	2,220	3,982	5,005	5,945	5,489	3,784	4,303	5,182	5,191
Other pipelines	284	1,944	591	809	742	377	457	271	272	286
Other	946	1,068	1,452	1,250	1,268	1,289	1,484	1,905	2,728	2,275
Total	27,908	41,702	51,880	58,488	58,548	53,713	53,772	57,864	64,328	72,228
	27.6	28.9	20.5	23.2	21.7	21.8	19.1	17.5	18.1	18.8
Development	10,473	15,243	15,558	16,517	17,782	16,997	17,276	17,883	20,172	23,494
Federal	1,106	754	1,211	1,848	1,722	1,658	1,700	1,636	1,511	1,456
State	316	687	1,112	1,441	1,655	1,632	1,809	1,826	1,968	1,657
Local	5,819	7,780	6,903	6,050	6,737	5,927	5,374	5,557	6,708	6,440
Other	838	1,745	1,848	1,785	2,083	1,991	2,088	2,039	2,017	1,998
Total	2,584	4,266	4,884	5,583	5,585	5,789	6,265	6,822	7,967	9,943
Streets	9,982	11,902	14,895	17,225	16,799	16,164	17,199	18,771	21,758	23,359
Highways	717	1,389	1,647	1,880	1,984	2,205	2,544	2,839	3,283	3,819
Redevelopment	1,907	3,257	4,587	5,080	5,300	5,027	4,820	4,654	4,744	4,688
Other	1,543	4,801	7,298	7,171	5,935	5,529	5,260	6,241	7,186	8,105
Facilities	1,083	1,785	2,490	3,268	3,004	2,902	2,083	2,821	2,854	3,370
Other	2,182	3,345	5,215	5,318	5,754	4,889	4,580	4,854	4,512	5,313
Ship	24,798	35,614	43,128	48,827	48,136	43,705	43,214	46,423	52,282	59,706
Federal government	8,753	13,580	13,215	15,899	14,841	14,012	13,886	14,068	15,900	19,289
State and streets	9,726	11,595	14,367	18,769	18,048	15,648	16,731	18,255	21,267	22,957
Non, development	540	618	873	821	898	908	820	727	935	871
Other	4,777	9,821	14,872	15,538	14,550	13,139	11,777	13,354	14,160	18,478
Development	3,110	6,088	8,564	9,841	10,413	10,008	10,557	11,240	12,046	12,522
Non, development	1,367	2,638	3,915	4,270	4,404	4,119	4,000	3,927	3,810	3,887
Other	720	1,683	2,343	2,818	3,151	2,986	3,380	3,798	4,272	4,195
Facilities	717	1,389	1,647	1,880	1,984	2,205	2,544	2,839	3,283	3,819
Other	305	397	658	873	894	899	824	678	681	712

<sup>1</sup> Immediate year, except 1970, change from 1965. Minus sign ( - ) indicates decrease. For explanation of average change, see Guide to Tabular Presentation. <sup>2</sup> Includes farm residential. <sup>3</sup> Excludes building by privately financed firms. <sup>4</sup> Office buildings included in "other commercial." <sup>5</sup> Includes construction with Rural Electrification (REA) funds.

Bureau of the Census, *Construction Reports*, series C30.

### NO. 1202. VALUE OF NEW CONSTRUCTION PUT IN PLACE IN CONSTANT (1982) DOLLARS: 1970 TO 1986

(In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see com.  
For description of nature of revisions and deflators used, see *Construction Reports*, series C30-805)

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total	277,818	285,870	311,873	290,741	298,856	346,821	274,108	308,778	324,817	347,801
Average annual percent change <sup>1</sup>	.1	-1.8	5.1	-10.0	-4.5	-8.0	11.1	12.6	5.2	7.1
Private	202,869	188,284	250,348	218,813	211,838	192,812	220,731	253,483	268,842	283,888
Percent of total	73.1	72.9	80.2	77.9	78.7	78.2	80.5	82.1	82.1	81.3
Residential buildings <sup>2</sup>	102,285	98,542	144,450	112,872	102,140	84,863	122,088	144,388	145,787	168,882
New housing units	77,218	88,378	110,743	78,379	71,486	56,980	82,062	108,873	105,505	120,888
1 unit	50,047	58,571	80,858	58,537	53,511	41,454	70,211	80,382	79,237	82,888
2 or more units	27,172	29,807	21,085	18,842	17,985	15,526	21,851	28,510	26,268	27,888
Improvements	25,067	29,164	33,707	34,594	30,654	27,873	30,037	37,525	40,282	48,888
Nonresidential buildings <sup>3</sup>	80,851	49,037	62,877	63,833	67,758	68,325	63,234	74,787	85,497	78,888
Industrial	17,483	14,272	19,026	15,948	17,823	17,341	12,385	12,885	14,145	12,888
Office	(*)	8,857	12,008	15,323	18,291	23,035	20,000	23,888	26,331	25,888
Hotels, motels	3,502	1,909	2,724	3,373	3,891	4,089	4,990	6,228	6,550	6,588
Other commercial	26,104	13,943	19,807	19,153	17,581	14,232	14,452	20,408	25,153	24,888
Religious	2,488	1,543	1,988	1,884	1,746	1,541	1,712	1,985	2,158	2,388
Educational	2,450	1,128	1,088	1,428	1,397	1,474	1,534	1,530	1,700	2,088
Hospital, institutional	8,771	5,714	4,488	4,858	6,141	5,871	8,318	5,811	5,011	4,788
Miscellaneous	2,142	1,871	1,854	2,088	1,888	1,732	1,833	2,283	2,448	2,488
Farm nonresidential	5,020	6,540	7,110	8,057	4,830	3,891	3,131	2,915	1,973	1,788
Public utilities	32,193	30,381	34,233	34,888	35,054	33,883	30,788	29,545	30,884	31,388
Telephone, telegraph	7,324	6,084	7,882	7,804	7,418	7,113	6,257	8,818	7,025	7,718
Other public utilities	24,869	24,297	26,350	27,084	27,636	26,750	24,539	22,727	23,859	23,688
Railroads	1,499	1,513	2,538	2,350	2,241	2,588	2,883	3,431	3,708	2,788
Electric light, power <sup>4</sup>	18,323	18,242	18,240	18,321	18,628	18,308	17,383	14,848	14,843	15,888
Gas	6,273	3,516	4,853	5,505	6,013	5,489	3,731	4,185	4,950	4,888
Petroleum pipelines	774	3,027	720	888	753	377	452	283	280	388
All other private	2,519	1,704	1,880	1,273	1,257	1,270	1,471	2,500	2,888	2,888
Public	74,850	88,387	61,834	61,838	57,818	53,808	63,377	65,387	68,175	64,388
Percent of total	26.9	27.1	19.8	22.1	21.3	21.8	19.5	17.9	17.9	18.5
Buildings	28,230	27,228	19,781	21,258	18,827	18,888	16,857	16,513	18,128	20,388
Housing, redevelopment	3,153	1,441	1,603	1,854	1,774	1,858	1,857	1,837	1,382	1,313
Industrial	846	1,224	1,418	1,738	1,631	1,743	1,888	1,787	1,787	1,461
Educational	15,043	13,810	8,778	9,255	7,057	5,924	5,178	5,122	6,014	7,388
Hospital	2,247	3,107	2,100	2,053	2,184	1,991	2,020	1,881	1,810	1,739
Other	6,943	7,843	5,982	6,438	5,883	5,785	8,081	6,287	7,145	8,788
Highways and streets	26,368	18,218	15,880	15,782	15,908	18,267	17,533	18,363	18,880	20,188
Military facilities	1,808	2,281	1,921	1,924	1,953	2,208	2,518	2,915	3,408	3,408
Conservation, development	5,153	5,429	5,771	5,771	5,536	5,026	4,541	4,554	4,434	4,434
Sewer systems	4,187	8,024	8,184	8,129	6,182	5,524	5,212	8,088	6,902	7,888
Water supply facilities	2,973	2,872	3,079	3,852	3,082	2,802	2,885	2,580	2,551	3,188
Miscellaneous	5,864	5,335	6,039	5,400	5,708	4,893	4,812	4,138	4,138	4,138

<sup>1</sup> Change from immediate prior year, except 1970, change from 1966. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. <sup>2</sup> Includes farm residential. <sup>3</sup> Excludes building by privately owned public utilities. <sup>4</sup> Office buildings included in "Other Commercial." <sup>5</sup> Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

### NO. 1203. VALUE OF PRIVATELY OWNED NONRESIDENTIAL BUILDING PROJECTS, BY CONSTRUCTION STATUS, 1975 TO 1986, AND BY TYPE OF PROJECT, 1986

(In billions of dollars)

CONSTRUCTION STATUS	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986				
												Total	Industrial	Office building	Other commercial	Other <sup>1</sup>
Value of projects—																
Started	20.1	48.0	48.3	65.8	55.5	63.3	84.7	90.8	88.7	11.1	25.4	30.6	22.7			
Completed	28.0	40.1	48.4	52.7	58.3	60.3	66.2	82.8	88.3	14.4	34.1	28.2	21.8			

<sup>1</sup> Privately owned hotels and motels, religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

### 104. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1975 TO 1986

\* New structures and additions, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also Historical Statistics, Colonial Times to 1870, series N 78-100.

Year	Total	Residential buildings	NONRESIDENTIAL BUILDINGS								Non building construction
			Total	Commercial <sup>1</sup>	Miscellaneous <sup>2</sup>	Educational <sup>3</sup>	Hospital	Public buildings	Religious	Social and recreational <sup>4</sup>	
(\$ mil.)											
1975	92.7	31.3	31.6	8.2	6.8	5.9	3.7	2.1	.6	3.1	29.8
1976	110.1	44.2	30.0	10.2	4.5	4.9	4.5	2.1	.9	3.0	35.9
1977	138.7	62.0	35.1	13.6	5.4	5.2	4.5	2.3	1.0	3.3	43.6
1978	158.9	74.9	45.0	20.6	8.2	5.7	3.8	1.5	1.2	3.0	39.9
1979	168.4	74.6	50.2	24.4	7.6	6.3	4.8	1.6	1.3	4.1	43.7
1980	146.4	63.7	52.5	24.8	8.4	6.8	5.3	1.8	1.2	4.4	39.2
1981	153.5	60.2	60.1	31.7	8.6	5.8	6.4	1.4	1.2	4.8	35.2
1982	156.2	58.2	58.6	28.2	8.5	6.1	7.8	1.8	1.2	4.8	37.4
1983	193.6	93.6	62.3	33.7	5.3	6.2	8.5	2.1	1.6	5.0	37.8
1984	211.5	101.4	74.3	42.1	7.3	7.7	7.2	2.7	1.7	6.7	35.8
1985	232.3	108.7	83.2	47.8	7.7	8.8	7.8	3.0	2.0	8.0	40.5
1986	243.3	120.6	81.3	44.7	6.5	10.5	7.8	3.0	2.1	8.7	41.3
(SPACE sq. ft.)											
1975	2,300	1,441	949	408	146	152	63	46	28	106	(x)
1976	2,819	1,867	952	440	152	118	71	42	31	89	(x)
1977	3,536	2,440	1,086	584	175	112	86	43	32	106	(x)
1978	4,101	2,815	1,286	758	219	104	53	22	36	98	(x)
1979	3,905	2,528	1,377	816	243	102	57	20	34	108	(x)
1980	3,092	1,892	1,200	686	216	95	54	18	28	101	(x)
1981	2,797	1,620	1,177	733	187	74	60	14	26	85	(x)
1982	2,442	1,497	945	571	119	74	70	19	25	68	(x)
1983	3,379	2,349	1,029	647	110	74	83	20	29	68	(x)
1984	3,635	2,398	1,238	808	147	90	70	23	29	71	(x)
1985	3,822	2,414	1,406	939	158	100	73	26	32	78	(x)
1986	3,854	2,537	1,327	855	141	116	73	26	33	81	(x)

<sup>1</sup> applicable. <sup>2</sup> includes nonindustrial warehouses. <sup>3</sup> includes science. <sup>4</sup> includes miscellaneous.

F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in Dodge Reports.

### No. 1205. CONSTRUCTION CONTRACTS—VALUE, BY STATE: 1980 TO 1986

(Units of dollars. See footnote, table 1204. Represents value of construction in States in which work was actually done.)

Year	1984	1985	1986			STATE	1980	1984	1985	1986		
			Total (incl. non-bldg.)	Residential	Non-residential					Total (incl. non-bldg.)	Residential	Non-residential
1980	211,480	232,277	243,285	120,637	81,304	MO	2,813	3,789	3,851	4,254	2,026	1,557
1981	1,918	3,026	2,866	3,001	1,456	MT	395	721	886	486	182	124
1982	706	1,804	1,500	1,182	267	NE	830	1,140	1,040	1,021	428	306
1983	3,137	6,006	6,629	6,427	3,705	NV	1,187	1,331	1,629	2,023	1,177	832
1984	1,324	1,887	1,849	1,499	739	NH	477	1,040	1,355	1,600	1,078	327
1985	17,668	27,409	32,456	36,925	21,211	NJ	3,790	6,427	8,077	8,678	4,300	3,188
1986	2,791	4,777	4,667	3,788	2,014	NM	1,371	1,786	1,771	1,603	726	613
1987	1,440	2,784	3,365	4,018	2,098	NY	5,880	9,475	11,388	11,991	5,108	4,186
1988	306	512	715	863	290	NC	3,471	5,826	6,671	6,661	3,868	2,126
1989	510	782	985	1,150	214	ND	456	574	567	483	199	150
1990	12,847	18,926	17,820	17,804	10,589	OH	6,221	6,216	6,943	8,367	3,282	3,191
1991	3,939	6,601	7,566	9,111	4,667	OK	2,300	3,287	2,660	2,132	937	743
1992	1,216	867	673	1,147	551	OR	1,926	1,748	1,634	1,516	718	488
1993	636	618	758	659	268	PA	5,248	6,700	7,008	8,488	3,738	2,821
1994	5,313	7,074	7,513	6,997	4,015	RI	322	537	628	802	428	210
1995	2,775	3,458	4,045	4,756	2,097	SC	2,522	2,886	3,448	3,208	1,780	1,032
1996	1,540	1,856	1,532	1,309	449	SD	421	514	466	433	161	122
1997	1,867	2,329	2,227	2,234	1,001	TN	2,789	4,257	4,394	4,511	2,408	1,407
1998	2,185	2,459	2,843	3,020	1,287	TX	13,611	21,287	21,306	16,802	6,631	6,088
1999	3,270	4,321	3,889	3,110	1,101	UT	1,116	1,801	1,633	1,618	758	630
2000	538	895	765	1,045	563	VT	258	467	467	599	361	104
2001	3,062	4,734	5,703	6,305	3,224	VA	3,451	8,578	7,586	8,626	4,479	3,040
2002	2,712	4,729	5,808	6,336	3,499	WA	4,795	3,748	4,409	4,864	2,157	1,703
2003	4,174	4,899	5,827	6,971	3,060	WV	885	822	868	873	239	273
2004	2,748	3,780	4,285	4,852	2,483	WI	2,289	2,681	3,008	3,172	1,277	1,048
2005	1,561	1,740	1,643	1,486	682	WY	844	980	889	486	108	106

F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in Dodge Reports.



**NO. 1205. VALUE OF PRIVATE CONSTRUCTION AUTHORIZED BY BUILDING PERMITS: 1977 TO 1986**

[In billions of dollars. "14,000, 16,000, and 17,000 places" series are based on U.S. total of approximately 14,000, 16,000, and 17,000 places identified in 1972, 1978, and 1984 respectively, with local building permit systems]

TYPE OF CONSTRUCTION	14,000 PLACES		16,000 PLACES							17,000 PLACES		
	1977	1978	1978	1979	1980	1981	1982	1983	1984	1984	1985	1986
<b>Total</b>	<b>82.9</b>	<b>86.6</b>	<b>101.6</b>	<b>107.4</b>	<b>102.1</b>	<b>103.7</b>	<b>96.5</b>	<b>127.5</b>	<b>153.4</b>	<b>155.0</b>	<b>170.5</b>	<b>184.1</b>
Residential units	50.0	55.4	58.9	65.3	47.2	41.9	40.5	60.3	76.7	77.7	84.9	88.0
In structures with—												
1 unit	40.0	43.2	45.3	42.6	33.1	28.7	27.4	49.1	53.5	54.3	59.5	73.1
2-4 units	2.6	3.0	3.1	3.3	3.3	3.2	2.7	4.3	4.8	4.9	4.6	4.4
5 units or more	7.4	9.3	9.6	10.4	10.8	10.0	10.4	15.8	18.3	18.4	20.8	18.1
Nonhousekeeping residential buildings	1.0	1.3	1.3	1.6	1.6	2.0	2.6	3.1	3.7	3.7	3.9	4.1
Nonresidential buildings	23.7	30.8	32.2	35.3	34.8	39.3	34.8	37.0	48.7	47.2	52.7	50.1
Industrial buildings	5.5	7.4	7.8	9.3	8.0	7.9	8.1	5.8	9.1	9.2	9.5	9.7
Office buildings	4.3	6.6	6.8	9.1	9.9	14.6	12.9	12.8	15.9	16.1	18.1	14.5
Stores and other mercantile	5.7	7.3	7.6	9.0	6.7	6.2	5.5	7.4	9.6	9.9	12.0	12.1
Hospitals and other institutional	2.0	2.1	2.1	2.3	1.6	1.7	2.0	2.4	2.0	2.1	2.5	2.8
All other nonresidential	6.1	7.4	7.9	8.7	8.7	8.8	8.3	8.9	9.9	9.9	10.1	11.8
Additions and alterations	8.2	9.1	9.2	11.2	16.5	20.5	20.6	23.5	26.3	26.4	29.1	31.8

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review*.

**NO. 1207. NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED BY STATE: 1985 AND 1986**

[Based on about 17,000 places in U.S. having building permit systems]

STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)			STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)		
	1985	1986		1985	1986			1985	1986		1985	1986	
		Total	1 unit		Total	1 unit			Total	1 unit		Total	1 unit
U.S.	1,733.3	1,798.4	1,877.8	84,804	98,006	73,896	MO	27.2	33.2	17.4	1,181	1,586	1,124
AL	17.2	19.2	11.5	537	686	528	MT	2.0	1.2	.7	87	57	46
AK	4.0	1.4	1.0	319	117	96	NE	5.0	6.2	3.2	221	252	202
AZ	71.8	61.8	33.6	3,119	3,083	2,329	NV	14.0	15.7	9.9	584	758	584
AR	9.9	8.7	5.1	388	376	291	NH	17.8	18.0	12.3	882	1,113	884
CA	271.4	314.8	145.7	16,188	20,865	13,206	NJ	55.0	57.4	42.6	3,130	3,550	2,809
CO	32.8	31.0	20.4	1,570	1,827	1,315	NM	11.8	11.5	8.1	587	604	532
CT	24.5	27.7	20.5	1,289	1,677	1,429	NY	61.9	60.2	41.3	3,573	3,730	2,875
DE	4.8	5.5	4.2	202	235	204	NC	70.7	63.0	42.7	2,984	2,064	2,488
DC	.8	.8	1	24	21	8	ND	2.6	1.7	.9	102	83	59
FL	202.6	195.5	110.0	8,484	8,742	6,050	OH	33.0	44.5	25.8	1,724	2,537	1,888
GA	73.1	78.9	50.7	3,130	3,886	3,126	OK	10.7	9.0	6.3	502	466	380
HI	7.3	7.2	4.5	488	485	322	OR	11.3	10.7	7.0	580	828	535
ID	4.3	3.8	2.9	217	217	190	PA	43.6	53.4	44.0	2,184	2,994	2,889
IL	38.7	51.9	30.6	2,238	3,391	2,540	RI	5.4	7.3	4.7	241	360	280
IN	23.0	29.7	17.2	1,100	1,578	1,251	SC	32.8	26.8	19.1	1,380	1,357	1,134
IA	5.2	5.5	3.1	242	268	200	SD	2.5	2.0	1.3	91	91	83
KS	13.3	13.1	7.3	609	782	598	TN	38.1	34.4	21.6	1,515	1,701	1,323
KY	13.8	13.5	8.0	523	642	497	TX	143.1	96.7	88.1	6,720	5,180	4,286
LA	18.8	10.5	6.8	804	567	501	UT	16.5	13.8	9.1	741	698	576
ME	6.1	9.6	6.8	282	505	409	VT	4.1	4.5	3.5	218	267	224
MD	42.1	42.4	34.3	1,919	2,269	2,029	VA	54.1	73.5	54.4	2,980	3,983	3,166
MA	39.2	45.2	26.1	2,342	3,087	2,265	WA	35.5	36.4	19.3	1,794	2,043	1,437
MI	37.6	47.2	27.0	1,829	2,437	1,819	WV	1.5	1.9	1.4	58	83	72
MN	26.6	33.2	20.7	1,551	2,142	1,819	WI	20.2	21.8	13.2	917	1,130	884
MS	8.6	8.3	5.9	352	368	303	WY	1.2	.9	.8	52	48	46

Source: U.S. Bureau of the Census, *Construction Reports*, series C40, annual.

**NO. 1208. NEW HOUSING UNITS STARTED: 1960 TO 1987**

[Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156-159]

YEAR	Total (1,000)	Per-cent change	PRIVATELY OWNED (1,000)		Publicly owned (1,000)	YEAR	Total (1,000)	Per-cent change	PRIVATELY OWNED (1,000)		Publicly owned (1,000)
			Total	1-unit structures					Total	1-unit structures	
1960	1,298	— 16.6	1,252	995	44	1977	2,002	29.3	1,987	1,451	15
1965	1,510	— 3.3	1,473	984	37	1978	2,036	1.7	2,020	1,439	16
1966	1,196	— 20.8	1,185	779	31	1979	1,780	— 13.6	1,745	1,184	15
1967	1,322	10.5	1,292	844	30	1980	1,313	— 25.4	1,292	852	30
1968	1,545	16.9	1,508	869	38	1981	1,100	— 16.2	1,084	705	16
1969	1,500	— 2.9	1,487	811	33	1982	1,072	— 2.6	1,062	683	10
1970	1,469	— 2.1	1,434	813	35	1983	1,712	69.7	1,703	1,088	9
1971	2,085	41.9	2,052	1,151	32	1984	1,756	2.6	1,750	1,084	6
1972	2,379	14.1	2,367	1,309	22	1985	1,745	— .6	1,742	1,072	3
1973	2,057	— 13.5	2,045	1,132	12	1986	1,807	3.6	1,806	1,179	2
1974	1,353	— 34.2	1,338	808	15	1986, Jan.-July <sup>a</sup>	(NA)	(NA)	1,891	1,211	(NA)
1975	1,171	— 13.4	1,160	802	11	1987, Jan.-July <sup>a</sup>	(NA)	(NA)	1,892	1,184	(NA)
1976	1,538	32.2	1,538	1,162	10						

NA Not available. <sup>1</sup> Change from 1969. <sup>2</sup> Change from 1964. <sup>3</sup> Average seasonally adjusted annual rate.

<sup>a</sup> Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

# 99. NEW PRIVATELY-OWNED HOUSING UNITS STARTED—SELECTED CHARACTERISTICS: 1970 TO 1986

NOTE: For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 158-163 and 170.]

	Total units <sup>1</sup>	STRUCTURES WITH—			REGION				CONDOMINIUM UNITS <sup>2</sup>			TYPE OF ASSISTANCE <sup>3</sup>	
		One unit	2-4 units	5 or more units	North-east	Mid-west	South	West	Total	Single-family	Multi-family	FHA	VA
1970-1979	1,434	813	85	536	216	294	812	311	(NA)	(NA)	(NA)	421	81
1980-1986	2,052	1,151	120	781	264	434	869	486	(NA)	(NA)	(NA)	526	94
1970-1986	2,357	1,309	141	906	330	443	1,057	527	(NA)	(NA)	(NA)	371	104
1970-1979	2,045	1,132	118	795	277	440	899	429	241	66	172	183	86
1980-1986	1,338	868	66	382	183	317	553	285	175	46	130	95	73
1970-1979	1,160	802	84	204	149	294	442	275	65	20	45	98	77
1980-1986	1,536	1,182	86	268	169	400	569	400	85	30	64	144	100
1970-1986	1,997	1,451	122	414	202	485	783	538	118	41	77	178	131
1970-1979	2,020	1,433	125	462	200	451	824	545	156	42	114	178	127
1980-1986	1,745	1,194	122	429	178	349	746	471	198	43	156	178	122
1970-1979	1,292	852	110	331	125	218	643	308	186	35	160	177	95
1980-1986	1,064	705	81	268	117	165	562	240	181	36	148	111	75
1970-1986	1,062	663	80	320	117	149	591	205	170	40	130	152	73
1970-1979	1,703	1,068	113	522	186	218	935	362	276	77	199	121	107
1980-1986	1,750	1,064	121	544	204	243	666	436	201	96	194	63	97
1970-1979	1,742	1,072	93	576	252	240	782	468	225	79	146	(NA)	(NA)
1980-1986	1,805	1,179	84	542	294	296	733	483	214	60	134	(NA)	(NA)

NOTE: <sup>1</sup> For 1970-1979, characteristics such as type of structure, and region, include data for publicly owned units of ownership under which the owners of the individual housing units are also joint owners of the common areas of the community, includes a small number of cooperatively-owned units. <sup>2</sup> Source: U.S. Department of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter unpublished data. <sup>3</sup> FHA and VA assistance as noted, U.S. Bureau of the Census, *Construction Reports*, series C20.

# 1210. NEW PRIVATELY-OWNED HOUSING UNITS STARTED, BY STATE: 1963 TO 1986

(In thousands of units)

REGION AND STATE	1963	1964	1965	1966, prel.	REGION, DIVISION AND STATE	1963	1964	1965	1966, prel.
1963-1966	1,702.9	1,749.9	1,742.0	1,805.6	South Atlantic—Con.				
1967-1970	187.6	203.7	252.0	293.0	Maryland	36.0	36.9	40.0	44.2
1971-1974	218.1	244.7	240.0	296.0	District of Columbia	.3	.4	.3	.6
1975-1978	934.6	886.0	782.0	733.0	Virginia	53.6	62.8	60.3	77.3
1979-1982	362.2	435.5	468.0	483.0	West Virginia	2.5	2.8	2.0	3.2
1983-1986					North Carolina	53.6	62.7	73.2	71.7
					South Carolina	28.3	33.1	33.0	29.1
					Georgia	72.2	80.0	82.6	90.8
					Florida	180.4	196.7	180.2	198.3
					East South Central				
					Kentucky	14.9	15.7	16.5	15.8
					Tennessee	37.5	42.4	42.9	38.2
					Alabama	16.9	20.1	22.3	20.2
					Mississippi	12.7	13.9	11.4	9.8
					West South Central				
					Arkansas	12.5	12.7	13.6	11.0
					Louisiana	40.2	30.8	21.2	11.7
					Oklahoma	50.2	28.5	14.5	9.6
					Texas	317.5	222.1	153.6	95.7
					Mountain				
					Montana	2.6	3.4	3.1	1.8
					Idaho	4.1	4.3	5.0	4.3
					Wyoming	2.8	2.0	1.7	1.2
					Colorado	50.0	41.9	34.8	32.3
					New Mexico	11.1	16.2	12.2	11.7
					Arizona	62.6	73.1	70.5	82.7
					Utah	13.0	18.2	15.8	14.6
					Nevada	15.1	12.9	13.7	16.2
					Pacific				
					Washington	27.8	29.4	34.3	35.5
					Oregon	8.9	8.6	10.4	10.1
					California	186.5	212.9	263.8	284.1
					Alaska	12.7	7.5	8.0	1.6
					Hawaii	5.3	5.3	6.7	8.7
1963-1966	127.3	141.4	146.0	196.0					
1967-1970	31.6	33.5	34.5	45.6					
1971-1974	20.2	23.5	22.8	31.1					
1975-1978	34.2	35.0	37.4	52.6					
1979-1982	23.4	30.1	34.6	46.4					
1983-1986	17.9	19.3	18.7	22.2					
1963-1966	96.7	103.3	92.0	96.0					
1967-1970	26.2	30.4	29.0	33.3					
1971-1974	7.9	7.7	5.9	5.8					
1975-1978	22.5	30.8	31.7	35.2					
1979-1982	5.5	3.9	3.2	1.8					
1983-1986	3.1	4.5	2.5	2.2					
	8.7	7.1	5.5	6.3					
	16.8	18.9	14.1	13.4					
1963-1966	436.8	479.7	496.0	621.0					
1967-1970	3.4	4.3	4.2	5.7					

Source: National Association of Home Builders, Economics Division, Washington, DC. Data provided from the Economic Fore-

### NO. 1211. CHARACTERISTICS OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES COMPLETED: 1970 TO 1986

[Percent distribution, except as indicated. Data beginning 1980 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported]

CHARACTERISTIC	1970	1980	1984	1985	1986	CHARACTERISTIC	1970	1980	1984	1985	1986
Total houses (1,000)	783	957	1,025	1,072	1,120	Bedrooms	100	100	100	100	100
Financing	100	100	100	100	100	2 or less	13	17	24	25	21
Mortgage	84	81	81	81	83	3	53	53	58	57	56
FHA-insured	30	16	13	15	20	4 or more	24	20	16	18	20
VA-guaranteed	7	3	6	7	8	Bathrooms	100	100	100	100	100
Conventional	47	55	61	57	54	1 or less	32	16	14	13	10
Farmers Home Administration	3	2	3	3	2	1 1/2	20	10	10	11	9
Cash or equivalent	16	16	19	16	16	2	32	48	48	48	47
Floor area	100	100	100	100	100	2 1/2 or more	16	25	28	29	33
Under 1,200 sq. ft.	36	21	19	20	17	Heating fuel	100	100	100	100	100
1,200-1,599 sq. ft.	26	26	30	30	30	Electricity	28	50	48	44	44
1,600-1,999 sq. ft.	18	22	21	21	21	Gas	82	41	46	48	47
2,000-2,399 sq. ft.	21	13	12	12	14	Oil	6	3	2	3	1
2,400 sq. ft. and over	15	17	17	17	18	Other	1	5	5	4	4
Average (sq. ft.)	1,500	1,740	1,700	1,765	1,825	Heating system	100	100	100	100	100
Median (sq. ft.)	1,355	1,595	1,605	1,605	1,680	Warm air furnace	71	57	55	54	54
Number of stories	100	100	100	100	100	Electric heat pump	24	24	30	30	28
1	74	60	54	52	51	Other	29	19	15	15	17
2 or more	17	31	40	42	44	Central air-conditioning	100	100	100	100	100
Split level	10	8	6	6	5	With	34	53	71	70	69
Foundation	100	100	100	100	100	Without	66	37	29	30	31
Full or partial basement	37	36	32	36	37	Fireplaces	100	100	100	100	100
Slab	36	45	50	48	45	No fireplace	65	43	41	41	38
Crawl space	27	19	18	16	18	1 or more	35	56	59	59	62
						Parking facilities	100	100	100	100	100
						Garage	58	66	66	70	74
						Carport	17	7	6	5	4
						No garage or carport	25	24	28	25	21

NA Not available.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

### NO. 1212. NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION AND TYPE OF FINANCING, 1970 TO 1986, AND BY SALES PRICE GROUP, 1986

[In thousands. Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. 1, inside front cover]

YEAR AND SALES-PRICE GROUP	Total sales	REGION				FINANCING TYPE			
		North-east	Mid-west	South	West	Conven-tional	FHA-VA	Farmers Home Administration	Cash
1970	405	61	100	203	121	213	244	(1)	27
1971	656	82	127	270	176	314	314	(1)	26
1972	718	86	130	306	187	447	242	(1)	30
1973	634	85	120	257	181	465	134	(1)	34
1974	519	89	108	207	130	378	112	(1)	26
1975	549	71	106	222	150	369	122	43	22
1976	649	72	126	247	196	458	134	23	31
1977	619	85	162	317	255	592	166	34	36
1978	617	76	145	331	262	575	174	26	43
1979	708	67	112	304	225	485	166	18	36
1980	545	50	81	267	145	302	199	14	32
1981	436	46	60	219	112	244	142	14	26
1982	412	47	46	216	99	183	173	11	34
1983	623	76	71	323	152	350	217	6	46
1984	639	94	78	306	160	423	149	8	56
1985	686	112	82	323	170	403	208	11	64
1986 total	789	138	96	322	196	411	300	12	89
Under \$50,000	36	(8)	5	25	6	13	(8)	9	3
\$50,000 to \$59,999	51	4	9	31	8	16	26	(8)	4
\$60,000 to \$69,999	65	6	12	59	10	30	51	(8)	6
\$70,000 to \$79,999	66	7	13	51	26	32	59	(8)	5
\$80,000 to \$89,999	105	24	22	66	52	67	(8)	(8)	14
\$90,000 to \$119,999	92	21	10	33	27	61	34	(8)	7
\$120,000 to \$149,999	83	20	11	26	26	64	9	(8)	8
\$150,000 and over	140	53	(8)	37	36	128	(8)	(8)	11

(1) Base figure too small to meet statistical standards for reliability. \* Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

MEDIAN SALES PRICE OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY  
REGION: 1970 TO 1986

definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover]

	U.S.	North-east	Mid-West	South	West	YEAR	U.S.	North-east	Mid-West	South	West
.....	23,400	30,600	24,400	20,300	24,000	1980 .....	64,600	69,500	63,400	59,600	72,300
.....	25,200	30,600	27,200	22,500	25,500	1981 .....	68,900	76,000	65,900	64,400	77,800
.....	27,600	31,400	29,300	25,800	27,300	1982 .....	69,300	78,200	68,900	66,100	75,000
.....	32,500	37,100	32,900	30,900	32,400	1983 .....	75,300	82,200	79,500	70,900	80,100
.....	35,900	40,100	36,100	34,500	35,800	1984 .....	79,300	88,600	85,400	72,000	87,300
.....	35,900	44,000	39,600	37,300	40,500	1985 .....	64,300	103,300	80,300	75,000	92,600
.....	44,200	47,300	44,800	40,500	47,200	1986 <sup>1</sup> .....	92,000	125,000	68,900	80,200	95,700
.....	48,800	51,600	51,500	44,100	53,500						
.....	55,700	58,100	59,200	50,300	61,300						
.....	62,900	65,500	63,800	57,300	69,600						

at: 1st qtr., \$97,900, 2d qtr., \$104,000.

ureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characterizing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

NEW MOBILE HOMES PLACED FOR RESIDENTIAL USE AND AVERAGE SALES PRICE, BY  
REGION: 1974 TO 1986

is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and not attached to a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Data are based on a national sample and subject to sampling variability; see source. For composition of regions, see fig. 1, inside front cover]

YEAR	UNITS PLACED (1,000)					AVERAGE SALES PRICE (\$1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
.....	332.0	23.3	67.5	170.8	70.4	9.3	9.4	9.3	8.3	11.6
.....	229.3	14.7	46.5	110.8	55.2	10.6	10.5	10.7	9.0	13.6
.....	249.6	16.8	51.5	114.8	68.5	12.3	11.6	11.6	10.6	16.0
.....	257.5	16.7	50.7	112.5	77.7	14.2	12.9	13.5	12.1	18.1
.....	279.9	17.4	49.5	135.3	77.7	15.9	14.3	15.1	13.7	20.6
.....	279.9	16.9	47.3	145.2	70.5	17.6	15.8	16.1	15.6	23.1
.....	233.7	12.3	32.3	140.3	48.7	19.8	18.5	18.6	18.2	25.4
.....	229.2	12.0	30.1	143.5	43.6	19.9	19.0	18.9	18.4	25.6
.....	234.1	12.4	25.6	161.1	35.0	19.7	19.6	20.0	18.5	24.7
.....	278.1	16.3	34.3	186.0	41.4	21.0	21.4	20.4	19.7	27.0
.....	287.9	19.8	35.2	193.4	39.4	21.5	22.2	21.1	20.2	27.4
.....	283.4	20.2	36.6	187.8	38.9	21.8	22.7	21.5	20.4	28.7
.....	256.1	21.2	37.2	162.3	35.4	22.4	24.4	21.8	20.7	29.9

ureau of the Census, *Construction Reports*, series C20.

215. EXISTING ONE-FAMILY HOUSES SOLD AND PRICE, BY REGION: 1970 TO 1986

is (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing service. Definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover]

YEAR	HOUSES SOLD (1,000)					MEDIAN SALES PRICE (\$1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
.....	1,612	251	501	566	292	23.0	25.2	20.1	22.2	24.3
.....	2,018	311	583	735	389	24.8	27.1	22.1	24.3	26.5
.....	2,252	361	630	788	473	26.7	29.8	23.9	26.4	28.4
.....	2,334	367	674	847	446	28.9	32.8	25.3	29.0	31.0
.....	2,272	354	646	639	434	32.0	35.6	27.7	32.3	34.8
.....	2,476	370	701	862	543	35.3	39.3	30.1	34.8	39.6
.....	3,084	439	661	1,033	712	38.1	41.8	32.9	36.5	46.1
.....	3,650	515	1,101	1,231	803	42.9	44.4	36.7	39.8	57.3
.....	3,966	518	1,144	1,416	911	48.7	47.9	42.2	45.1	66.7
.....	3,827	526	1,061	1,353	667	55.7	53.6	47.8	51.3	77.4
.....	2,973	403	806	1,092	672	62.2	60.8	51.9	58.3	69.3
.....	2,419	353	632	917	516	68.4	63.7	54.3	64.4	96.2
.....	1,990	354	490	760	386	67.8	63.5	55.1	67.1	96.9
.....	2,719	493	709	1,036	461	70.3	72.2	58.6	69.2	94.9
.....	2,668	511	755	1,073	529	72.4	78.7	57.1	71.3	95.8
.....	3,214	622	886	1,172	554	75.5	88.9	68.9	75.2	95.4
.....	3,565	703	991	1,261	610	80.3	104.8	63.5	78.2	100.9

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# NO. 1216. MEDIAN SALES PRICE OF EXISTING ONE-FAMILY HOMES, BY SELECTED METROPOLITAN AREA: 1984 TO 1987

[In thousands of dollars. Areas are metropolitan statistical areas (MSA's) except as indicated; for definitions and components, see Appendix II]

METROPOLITAN AREA	1984	1985	1986	1987, 2nd qtr	METROPOLITAN AREA	1984	1985	1986	1987, 2nd qtr
U.S., all areas	72.4	75.5	80.3	(NA)	Louisville, KY-IN	48.9	50.8	51.7	53.4
Alton, OH PMSA	50.4	52.7	58.2	58.9	Memphis, TN-AR-MO	64.1	64.8	70.8	78.9
Albany-Schenectady-Troy, NY	52.9	60.3	72.7	86.5	Miami-Ft. Lauderdale, FL PMSA	79.5	80.5	81.1	84.4
Albuquerque, NM	73.4	76.8	81.8	82.5	Minneapolis-St. Paul, MN-WI	88.2	87.5	89.9	71.7
Anaheim-Santa Ana, CA PMSA	133.7	136.2	147.7	167.3	Nashville-Davidson, TN	74.0	75.2	77.9	80.2
Baltimore, MD	86.1	72.6	74.0	77.8	New York-Northern New Jersey-Long Island, NY-NJ-CT PMSA	106.3	134.0	180.8	183.8
Baton Rouge, LA	73.5	74.8	70.9	68.1	Oldham City, OK	63.9	64.7	63.0	66.2
Birmingham, AL	65.1	64.5	68.3	72.7	Omaha-NE-IA	58.2	58.3	58.8	68.8
Boston, MA PMSA	100.0	134.2	159.2	175.8	Orlando, FL	70.1	70.3	72.5	78.4
Buffalo-Niagara Falls, NY PMSA	44.8	46.7	52.4	57.0	Philadelphia, PA-NJ PMSA	65.2	70.8	74.5	84.4
Chicago, IL PMSA	79.5	81.1	86.1	80.9	Phoenix, AZ	74.7	74.7	78.4	81.4
Cincinnati, OH-KY-IN PMSA	58.9	60.2	(NA)	65.9	Portland, OR PMSA	62.9	61.5	62.6	64.3
Cleveland, OH PMSA	62.7	64.4	66.9	(NA)	Providence, RI PMSA	59.6	67.5	67.8	108.8
Columbus, OH	59.9	62.2	65.5	67.2	Rochester, NY	59.7	64.2	68.3	72.3
Dallas-Ft. Worth, TX PMSA	62.2	67.7	92.8	90.0	St. Louis, MO-IL	61.8	65.7	70.9	74.7
Denver CO PMSA	62.7	64.3	66.4	67.5	Salt Lake City-Ogden, UT	65.8	66.7	68.5	68.4
Des Moines, IA	52.4	52.5	55.9	56.8	San Antonio, TX	67.5	67.7	69.2	73.2
Detroit, MI PMSA	48.5	51.7	56.1	56.6	San Diego, CA	100.2	105.4	118.2	127.1
El Paso, TX	57.8	57.8	56.0	58.0	San Francisco-Oakland-San Jose, CA PMSA	129.8	(NA)	(NA)	(NA)
Fl. Lauderdale-Hollywood-Pompano Beach, FL PMSA	73.1	74.6	77.7	79.7	Syracuse, NY	50.7	58.8	64.3	68.1
Grand Rapids, MI	42.8	46.7	50.4	53.4	Tempe-St. Petersburg-Clearwater, FL	58.4	58.4	61.1	65.7
Hartford, CT PMSA	67.4	98.8	129.0	157.0	Toledo, OH	50.7	51.9	56.0	58.2
Houston, TX PMSA	77.6	78.8	89.9	87.4	Tulsa, OK	67.3	66.7	65.5	67.4
Indianapolis, IN	53.1	55.0	59.0	63.8	Washington, DC-MD-VA	93.0	97.1	101.2	120.4
Jacksonville, FL	55.7	58.4	62.8	65.8	West Palm Beach-Boca Raton-Delray Beach, FL	64.8	66.3	90.1	104.3
Kansas City, MO-KS	58.1	61.4	65.4	71.1					
Las Vegas, NV	78.3	75.1	77.5	77.9					
Los Angeles-Long Beach, CA PMSA	115.3	(NA)	128.8	139.6					

NA Not available.

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, Existing Home Sales, monthly. (Copyright.)

# NO. 1217. EXISTING HOME SALES, BY STATE: 1982 TO 1986

[In thousands. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	1982	1983	1984	1985	1986	DIVISION AND STATE	1982	1983	1984	1985	1986
U.S. <sup>1</sup>	2,120.0	2,824.0	3,088.0	3,489.0	3,997.0	S.A.	288.1	334.3	384.2	446.3	722.2
Region: <sup>2</sup>						DE	7.3	9.3	10.0	12.3	12.9
Northeast	389.3	573.5	609.4	756.3	845.4	MD	43.8	60.8	68.8	80.9	86.9
Midwest	519.7	759.9	805.6	817.1	1,042.8	DC	5.6	7.5	7.8	8.9	11.6
South	818.3	1,088.1	1,127.8	1,236.9	1,323.9	VA	71.3	103.1	98.1	107.2	130.4
West	438.9	611.6	690.2	703.8	782.0	WV	21.8	32.2	34.6	37.7	38.7
N.E.						NC	70.0	89.0	103.2	123.3	138.2
ME	96.7	185.2	179.4	208.8	216.7	SC	30.2	36.7	48.0	52.8	58.0
NE	14.8	21.0	23.3	27.1	30.8	GA	35.8	51.0	80.1	85.1	75.1
NH	7.9	15.2	16.9	19.3	17.4	FL	100.3	127.7	137.6	151.3	188.4
VT	6.0	7.4	8.2	9.9	12.4	S.W.C.	188.8	288.0	231.3	282.1	288.6
MA	42.5	65.0	66.5	80.5	84.6	KY	37.1	58.5	57.3	57.7	58.6
RI	6.2	8.9	11.0	13.2	13.5	TN	46.8	71.1	78.7	98.2	112.0
CT	21.3	37.8	44.5	58.0	52.0	AL	31.9	41.8	53.3	59.7	60.8
M.A.						MS	23.0	32.6	32.0	35.5	34.2
NY	205.9	418.3	438.0	588.3	694.7	W.S.C.	234.4	361.6	342.3	344.6	385.1
NJ	120.9	188.8	148.9	190.7	216.8	AR	31.3	43.0	43.4	48.6	52.8
PA	73.0	112.9	118.7	148.8	158.8	LA	45.7	63.0	50.3	44.1	34.8
E.N.C.						OK	52.1	64.7	61.9	48.8	48.4
OH	333.4	480.6	526.7	625.8	708.7	TX	185.3	181.1	185.7	203.8	198.9
IN	83.0	129.1	138.3	162.5	179.9	Mt.	198.6	188.2	181.3	185.4	195.7
IL	41.4	57.2	64.5	80.1	86.1	MT	9.3	12.4	12.4	11.1	11.9
MI	60.0	115.5	122.5	140.5	178.2	ID	9.3	11.3	12.3	11.5	11.9
WI	94.8	135.1	138.4	167.2	188.8	WY	5.1	5.5	6.2	6.5	6.1
W.N.C.						CO	38.4	48.1	47.1	48.3	47.5
MN	188.3	288.4	284.8	291.3	333.9	NM	15.9	18.3	18.1	19.8	18.5
IA	44.3	58.8	65.5	73.9	96.8	AZ	37.9	50.7	59.8	71.7	73.8
MO	28.8	39.1	41.9	39.5	48.1	UT	12.5	14.7	15.0	15.5	14.8
ND	48.4	72.1	61.0	85.8	86.4	NV	8.2	10.2	9.4	10.0	11.0
SD	6.4	8.4	10.0	8.9	9.5	Pac.	288.3	442.4	478.9	688.2	988.3
NE	8.6	13.3	11.8	11.3	13.2	WA	33.7	44.8	44.9	43.8	50.8
KS	18.8	24.9	24.9	24.5	25.6	OR	24.4	34.4	35.7	39.3	46.8
	93.4	49.3	48.8	47.4	54.4	CA <sup>3</sup>	233.8	343.2	382.1	407.2	484.6
						AK	4.9	12.1	9.2	10.0	6.1
						HI	4.1	7.8	7.0	7.9	18.9

<sup>1</sup> U.S. and region totals are derived independently and therefore are not equal to the sum of the States. <sup>2</sup> Provided by the California Association of Realtors®.

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, Existing Home Sales, monthly. (Copyright.)

# **B. NEW APARTMENTS COMPLETED AND RENTED IN 3 MONTHS, BY REGION: 1960 TO 1966**

1 with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For composition of regions, see fig. 1, inside front cover]

YEAR AND PERCENT	NUMBER (1,000)					PERCENT RENTED IN 3 MONTHS				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1960	188.1	14.2	43.8	81.5	48.6	75	77	77	74	75
1961	135.3	1.8	38.8	88.4	25.1	60	65	68	78	75
1962	117.9	4.8	21.8	68.8	23.7	72	74	79	75	72
1963	191.5	3.5	41.1	115.1	31.8	88	73	88	83	88
1964	313.2	3.8	41.2	194.4	73.8	87	84	78	83	70
1965	385.2	8.1	54.0	188.1	137.0	88	88	72	88	88
1966	488.8	17.8	84.1	171.7	185.1	88	78	78	88	88
1967	30.8	3.5	7.8	14.8	4.3	70	88	75	70	88
1968	34.3	.8	7.5	15.1	11.2	71	87	84	84	74
1969	67.1	(2)	11.7	35.6	18.7	84	(2)	84	84	84
1970	84.3	.4	8.2	31.2	24.5	85	87	88	83	87
1971	81.8	1.0	7.7	28.6	23.3	84	88	71	81	84
1972	180.2	11.8	21.0	48.4	72.2	88	72	87	80	88

in \$0 or .5 percent.

1. Bureau of the Census, *Current Housing Reports*, series H-131, and unpublished data.

## **No. 1219. GROSS HOUSING PRODUCT—SUMMARY: 1970 TO 1986**

[In billions of dollars. For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1970	1980	1983	1984	1985	1986	1970	1980	1983	1984	1985	1986
housing output <sup>1</sup>	80.5	251.2	330.8	358.7	386.7	420.4	207.4	298.9	312.8	320.0	327.9	336.9
new	87.3	240.1	318.8	344.5	375.7	410.5	188.1	285.8	300.3	307.9	316.2	325.5
occupied	61.3	178.3	233.9	252.3	272.7	298.0	132.6	212.0	220.5	226.1	230.5	238.0
new	26.0	81.8	84.7	82.2	103.0	114.5	58.2	73.8	79.8	81.8	85.7	88.5
new	3.3	11.0	12.1	12.2	10.9	9.9	18.3	14.3	12.5	12.1	11.7	11.4
durable goods and services	12.7	47.2	57.2	61.1	62.9	65.0	29.9	58.4	54.1	54.8	53.4	52.1
1 housing product	77.8	204.0	279.8	296.6	323.8	355.4	171.5	243.5	258.7	265.2	274.5	284.7

1. national consumption expenditures (see text, section 14) for housing, less expenditures for transient hotels, motels, and other group housing.

2. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Current Business*, July issues.

## **No. 1220. RESIDENTIAL CAPITAL—STOCKS AND AVERAGE AGE: 1960 TO 1986**

1. 31. Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 649]

ITEM	CURRENT DOLLARS (bil. dol.)					CONSTANT (1982) DOLLARS (bil. dol.)					AVERAGE AGE <sup>1</sup> (years)				
	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986
1. housing capital	888	1,220	4,184	5,517	5,914	2,454	3,319	4,484	5,008	5,180	21.2	25.1	23.7	24.0	23.9
farm:	572	983	3,331	4,401	4,721	2,058	2,889	3,572	3,988	4,107	28.6	25.7	24.5	24.8	24.7
nonfarm:	49	125	508	888	756	174	343	543	831	657	28.3	18.1	17.6	18.5	18.4
units (units)	42	55	134	152	158	153	150	145	137	138	43.7	43.9	42.8	42.9	42.9
sleeping	5	10	24	27	28	18	27	25	25	25	21.8	14.6	18.3	21.8	22.3
res.	4	14	73	91	93	8	29	77	88	88	4.7	4.7	7.1	8.2	8.3
total, State	12	25	85	112	120	42	88	91	101	104	11.2	14.8	18.8	21.7	22.0
2. nonhousing capital	436	791	2,734	3,558	3,824	1,555	2,151	2,929	3,230	3,334	17.5	18.5	18.2	18.8	18.7
farm:	371	639	2,187	2,857	3,072	1,333	1,748	2,345	2,587	2,872	17.1	17.2	18.8	17.4	17.3
nonfarm:	28	88	363	487	529	102	243	387	441	459	18.8	11.1	12.5	13.8	13.7
units (units)	19	24	57	84	85	70	84	82	58	57	29.5	28.8	28.4	28.4	28.5
sleeping	2	8	12	13	13	8	18	13	11	11	12.7	9.0	18.0	18.3	18.8
res.	3	10	41	47	47	4	21	43	46	45	3.5	3.3	5.3	5.8	5.8
total, State	10	18	57	72	77	34	81	81	85	87	9.8	12.7	18.2	17.6	17.7

dollar stocks. <sup>2</sup> Includes equipment, not shown separately. <sup>3</sup> Based on straight-line depreciation.

1. Bureau of Economic Analysis, *Survey of Current Business*, August 1987, and *Fixed Reproducible Tangible Wealth Stocks, 1925-85*.



## No. 1221. HOUSING UNITS—SUMMARY OF CHARACTERISTICS: 1960 TO 1983

[In thousands, except as indicated. As of April, except 1980 as of fall. For information on methodology, see Appendix M. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover.]

CHARACTERISTIC	1960	1970	1980	1983				
				Total	Regions			
					North- east	Mid- west	South	West
All housing units	99,326	98,672	98,411	99,516	26,953	23,874	31,180	18,443
All year-round units	58,584	67,690	86,693	91,675	19,362	23,421	30,700	18,201
Occupied units	53,024	63,445	80,390	84,636	16,221	21,818	27,831	16,866
Owner occupied	32,797	39,888	51,795	54,724	11,009	14,835	18,825	9,955
Percent of all occupied	61.9	62.9	64.4	64.7	60.4	60.1	67.4	59.0
Renter occupied	20,227	23,556	28,595	29,914	7,212	6,583	8,108	6,912
Vacant year-round	3,560	4,254	5,303	7,037	1,131	1,803	2,769	1,334
For sale only	522	501	848	955	120	275	364	198
Homeowner vacancy rate	1.6	1.2	1.6	1.7	1.1	1.8	1.9	1.9
For rent	1,453	1,806	2,179	1,906	303	470	753	381
Rental vacancy rate	6.7	6.8	7.1	6.9	4.0	6.4	7.5	5.1
Other vacant	1,084	2,087	3,176	4,176	708	1,058	1,852	796
Vacant, seasonal and migratory	1,742	873	1,718	1,845	700	453	486	341
Cooperatives and condominiums:								
Owner occupied	(NA)	(NA)	(NA)	1,749	422	341	466	489
Cooperatives	(NA)	(NA)	(NA)	380	227	58	35	40
Condominiums	(NA)	(NA)	1,225	1,369	195	284	461	448
Vacant for sale only	(NA)	(NA)	(NA)	145	14	25	65	41
Public or subsidized housing: <sup>1</sup>								
Units in public housing project	(NA)	(NA)	(NA)	2,180	639	525	707	309
Private housing unit with government rent subsidy	(NA)	(NA)	(NA)	1,196	361	252	293	273
Units in structure <sup>2</sup> —								
1-unit	43,758	48,791	57,183	61,462	10,864	16,546	22,298	11,754
Percent of total units	77.3	69.1	65.9	67.1	58.2	70.8	72.6	64.8
2-4 units	7,552	9,007	9,882	11,373	3,847	2,966	2,516	2,041
5 or more units	8,236	9,829	15,478	14,820	4,274	3,148	4,028	3,388
Mobile home or trailer	767	2,073	4,416	3,989	348	756	1,858	1,037
Year structure built: <sup>3</sup>								
April 1970 or later	(X)	(X)	22,744	23,886	2,833	4,826	10,301	5,826
1960-March 1970	(X)	16,956	17,087	18,144	3,082	4,242	6,763	4,088
1950-1959	16,046	14,499	14,871	14,331	2,826	3,544	5,013	3,147
1940-1949	6,840	6,786	8,842	8,101	1,549	1,782	3,051	1,718
1939 or earlier	33,832	27,458	22,414	27,413	9,481	6,827	5,573	3,482
Percent built prior to 1940	57.7	40.6	25.8	28.9	48.9	38.1	18.2	19.0
Units with <sup>4</sup> —								
1-3 rooms	11,400	11,028	13,568	13,533	3,406	2,788	3,834	3,435
4 rooms	12,435	14,113	16,969	17,828	3,409	4,100	6,356	3,989
5 rooms	14,323	16,998	20,017	21,937	3,812	5,809	6,180	4,058
6 rooms	11,141	13,608	16,945	18,324	3,698	4,940	6,330	3,184
7 or more rooms	9,020	11,950	19,184	20,053	4,784	5,703	6,020	3,988
Median number of rooms	4.9	5.0	5.1	5.1	5.2	5.3	5.1	4.9
Persons per unit (median):								
Owner occupied	3.1	3.0	2.6	2.5	2.7	2.6	2.5	2.4
Renter occupied	2.6	2.3	2.0	2.0	2.0	1.9	2.2	2.1
Units lacking some or all plumbing facilities <sup>5</sup>	7,899	4,398	2,394	2,235	371	483	1,174	325
Percent	13.2	6.5	2.7	2.4	1.9	2.0	3.8	1.2
Percent of units with—								
Telephone <sup>6</sup>	78.5	87.0	93.0	90.4	91.3	92.2	95.3	90.5
Air conditioning <sup>7</sup>	12.4	36.7	55.0	59.1	48.8	61.7	78.2	37.2
Central system <sup>8</sup>	1.9	10.7	27.5	29.2	6.6	29.5	45.4	23.9
Public sewer <sup>9</sup>	(NA)	70.2	74.1	74.3	78.8	78.5	85.6	83.3
Public or private company water <sup>10</sup>	(NA)	61.7	63.6	64.4	65.8	61.0	61.5	62.1
Year householder moved into unit:								
April 1970 or later	(NA)	(NA)	(NA)	61,855	12,036	15,289	20,885	13,682
1965-March 1970	(NA)	(NA)	(NA)	7,004	1,666	1,852	2,325	1,129
1960-1964	(NA)	(NA)	(NA)	5,090	1,301	1,379	1,843	788
1950-1959	(NA)	(NA)	(NA)	6,387	1,827	1,812	1,911	947
1949 or earlier	(NA)	(NA)	(NA)	4,483	1,358	1,316	1,387	433

NA Not available. X Not applicable. <sup>1</sup> Refers to specified renter-occupied units. <sup>2</sup> For 1960, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970, 1980, and 1983 all year-round units. For 1980 and 1983, air conditioning based on occupied housing units. <sup>3</sup> January 1970 or later. <sup>4</sup> 1960 to 1980. <sup>5</sup> Occupied housing units.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1980*, vol. 1; *1980 Census of Housing*, vol. 1, chapters A and B; and *Current Housing Reports*, series H-150-83, Annual Housing Survey, part A.

## No. 1222. HOUSING UNITS—SELECTED CHARACTERISTICS, BY STATE: 1960

[As of April 1]

	Total housing units (1,000)	YEAR-ROUND HOUSING UNITS										
		Total (1,000)	Percent with—			Occupied housing units						
			Structure built		5 or more units in structure	Total (1,000)	Percent—			Median value (dol.) specified owner <sup>1</sup>	Median selected monthly owner costs <sup>2</sup> (dol.)	Median gross rent <sup>3</sup> (dol.) specified renter
			1979 to March 1980	1939 or earlier			Owner occupied units	With 1.01 or more persons per room	Householder moved into unit 1979 to March 1980			
U.S.	56,411	56,739	25.9	26.1	17.5	50,390	64.4	4.6	22.8	47,290	396	243
Alabama	1,467	1,451	30.9	16.3	8.1	1,342	70.1	5.4	20.8	33,900	295	186
Alaska	163	154	52.7	4.7	22.1	131	58.3	10.1	38.6	78,300	640	366
Arizona	1,111	1,072	46.6	5.8	18.3	967	68.3	7.2	28.8	54,800	365	263
Arkansas	899	899	32.9	17.3	7.2	816	70.5	5.2	23.1	31,100	280	186
California	9,279	9,223	27.2	14.7	24.0	8,630	55.9	7.4	26.0	64,500	411	263
Colorado	1,194	1,170	30.1	18.0	21.4	1,061	64.5	2.8	33.0	64,100	422	252
Connecticut	1,159	1,145	18.1	32.0	17.5	1,094	63.9	2.6	18.1	65,800	434	281
Delaware	239	230	26.7	20.8	16.7	207	69.1	2.8	21.1	44,400	351	247
District of Columbia	277	277	7.0	39.1	62.7	253	35.6	8.1	20.1	68,900	389	244
Florida	4,379	4,279	43.9	6.7	23.7	3,744	68.3	5.3	26.8	45,100	337	256
Georgia	2,028	2,014	33.3	14.7	14.0	1,872	65.0	5.3	23.9	36,900	340	211
Hawaii	334	332	36.9	10.5	39.1	294	51.7	15.3	26.6	118,100	483	311
Idaho	375	360	38.4	21.9	8.6	324	72.0	4.5	26.8	45,600	332	219
Illinois	4,320	4,304	19.4	34.7	22.3	4,046	62.6	4.2	20.8	52,800	406	246
Indiana	2,082	2,066	22.0	32.1	10.8	1,927	71.7	3.1	21.0	37,200	304	219
Iowa	1,131	1,121	20.5	44.4	10.2	1,053	71.8	2.1	20.8	40,800	346	225
Kansas	955	951	22.7	33.6	9.7	872	70.2	2.4	24.0	37,800	330	219
Kentucky	1,369	1,355	28.7	24.7	10.1	1,263	70.0	4.7	21.2	34,200	268	198
Louisiana	1,546	1,537	30.8	15.9	11.1	1,412	65.5	7.1	23.2	43,000	313	214
Maine	501	428	23.2	47.5	10.0	395	68.8	3.1	20.1	37,900	317	216
Maryland	1,571	1,550	23.6	22.4	11.1	1,451	62.0	3.1	20.8	56,300	413	266
Massachusetts	2,206	2,141	15.4	47.3	20.5	2,033	57.5	2.6	18.2	46,400	424	265
Michigan	3,590	3,451	22.1	27.6	12.5	3,195	72.7	3.1	20.0	48,800	369	250
Minnesota	1,619	1,530	25.2	33.3	17.3	1,445	71.7	2.3	21.8	53,100	375	236
Mississippi	912	905	32.5	15.6	8.0	827	71.0	6.0	20.4	31,400	284	180
Missouri	1,989	1,983	23.9	29.4	11.4	1,793	68.8	3.4	21.3	36,700	317	211
Montana	326	315	30.7	30.3	9.9	284	66.6	3.8	27.8	46,600	347	200
Nebraska	825	819	23.8	38.9	12.3	571	68.4	2.1	22.9	36,000	359	213
Nevada	340	336	51.6	5.7	23.2	304	59.6	4.7	37.7	68,700	464	310
New Hampshire	386	349	27.5	39.0	14.3	323	67.6	2.4	22.0	48,800	408	251
New Jersey	2,772	2,690	18.1	33.4	20.8	2,549	62.0	3.5	18.7	60,200	456	270
New Mexico	508	493	36.5	11.6	12.2	441	68.1	6.8	29.5	45,300	324	216
New York	6,898	6,706	11.9	43.3	35.8	6,340	68.8	4.9	17.1	45,800	430	249
North Carolina	2,275	2,224	32.0	17.3	6.5	2,043	68.4	4.5	20.6	36,000	320	205
North Dakota	259	253	30.8	34.9	14.3	226	68.7	2.7	24.6	48,800	381	222
Ohio	4,106	4,076	20.6	32.8	14.1	3,834	66.4	2.5	20.2	44,900	347	224
Oklahoma	1,237	1,230	30.0	20.2	10.1	1,119	70.7	3.7	26.4	35,800	305	214
Oregon	1,083	1,072	34.2	20.6	15.1	992	65.1	2.9	29.8	58,900	371	244
Pennsylvania	4,596	4,513	16.4	44.6	12.2	4,220	69.8	2.4	15.8	48,800	336	225
Rhode Island	373	363	18.1	43.0	16.4	339	58.8	2.5	19.5	46,600	391	222
South Carolina	1,154	1,123	34.4	15.2	8.4	1,030	70.2	6.0	20.6	35,100	312	211
South Dakota	277	270	26.6	40.7	11.2	243	68.8	3.8	23.5	36,800	352	186
Tennessee	1,747	1,727	31.1	16.7	11.5	1,619	68.6	4.4	22.0	35,800	299	203
Texas	5,549	5,485	35.2	12.2	16.4	4,929	64.3	7.2	29.1	39,100	346	245
Utah	480	481	37.7	18.8	12.5	449	70.7	5.8	28.8	57,300	381	235
Vermont	223	223	24.4	46.9	9.4	178	68.8	2.5	21.6	42,200	336	226
Virginia	2,021	2,000	24.4	17.7	16.2	1,883	65.6	3.4	23.3	48,000	362	222
Washington	1,689	1,652	32.0	21.3	17.2	1,541	68.8	2.9	29.0	59,900	362	254
West Virginia	746	737	24.9	34.2	6.2	696	73.6	4.1	18.0	39,500	290	195
Wisconsin	1,854	1,756	23.1	36.6	12.3	1,652	68.2	2.4	20.7	48,900	391	234
Wyoming	186	182	40.4	22.6	10.0	166	69.2	4.2	34.2	59,800	381	252

owner-occupied housing units include one-family houses on less than 10 acres without a commercial establishment located on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, and units occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. Owner with a mortgage. Selected monthly owner costs is the sum of payments for mortgage, deeds of trust, or other property, real estate taxes, fire and hazard insurance on the property, utilities (electricity, gas, and water), and other costs (kerosene, wood, etc.). <sup>1</sup> "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuel (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by the owner in addition to rent). <sup>2</sup> "Specified renter-occupied" housing units include renter-occupied units except one-family or more acres.

## No. 1223. OCCUPIED HOUSING UNITS—TENURE, BY RACE OF HOUSEHOLDER: 1920 TO 1983

[In thousands, except as indicated. As of April 1, except 1983, as of fall. Prior to 1980, excludes Alaska and Hawaii. Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960 to 1983. For 1923, includes the small number of quasifamilies; for 1930, represents private families only. See also *Historical Statistics, Colonial Times to 1970*, series N 236-245]

RACE OF HOUSEHOLDER AND TENURE	1920	1930	1940	1950	1960	1970	1980	1983
<b>ALL RACES</b>								
Occupied units, total	24,352	29,906	34,855	42,826	53,024	63,445	80,380	84,836
Owner occupied	11,114	14,200	15,186	23,580	32,797	39,868	51,795	54,724
Percent of occupied	45.6	47.8	43.8	55.0	61.9	62.9	64.4	64.7
Renter occupied	13,238	15,624	19,669	19,246	20,227	23,580	28,585	29,914
<b>WHITE</b>								
Occupied units, total	21,628	26,983	31,581	39,044	47,860	58,808	69,810	72,562
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,005	46,871	48,144
Percent of occupied	48.2	50.2	45.7	57.0	64.4	65.4	67.6	67.7
Renter occupied	11,315	13,439	17,143	16,803	17,067	19,801	22,139	23,418
<b>BLACK AND OTHER</b>								
Occupied units, total	2,528	2,922	3,283	3,783	5,144	6,838	11,580	12,076
Owner occupied	603	737	776	1,319	1,974	2,861	5,124	5,580
Percent of occupied	23.9	25.2	23.6	34.9	38.4	42.1	44.2	46.2
Renter occupied	1,923	2,185	2,516	2,464	3,170	3,956	6,456	6,496

Source: U.S. Bureau of the Census, *Census of Housing: 1980*, vol. 1, 1970, vol. 1, 1960 *Census of Housing*, vol. 1, chapter A (HCS0-1-A); and *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

## No. 1224. OCCUPIED HOUSING UNITS—FINANCIAL SUMMARY: 1970 TO 1983

[In thousands, except as indicated. See headnote, table 1221. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 302-307]

CHARACTERISTIC	1970	1980	1983				
			Total	Region			
				North- east	Mid- west	South	West
Occupied units, total	63,466	80,380	84,836	18,221	21,618	27,891	16,898
Mortgaged	(NA)	25,463	27,756	5,112	7,410	9,217	5,918
Percent	(NA)	64.6	63.8	58.9	62.2	62.5	73.8
Not mortgaged	(NA)	13,846	15,777	3,562	4,487	5,594	2,124
Median income:							
Owner occupied (dol.)	8,700	19,800	24,400	26,300	24,300	21,700	28,000
Renter occupied (dol.)	6,300	10,500	12,400	12,400	11,800	12,400	13,500
Specified owner occupied <sup>1</sup>	31,891	39,470	43,535	8,674	11,806	14,911	8,043
With value of:							
Less than \$20,000	16,739	4,777	2,409	362	731	1,218	96
\$20,000-\$24,999	4,674	2,494	1,486	281	503	837	85
\$25,000-\$34,999	4,436	5,511	4,207	683	1,466	1,840	208
\$35,000-\$49,999	2,045	6,466	8,703	1,740	2,846	3,377	740
\$50,000-\$99,999	996	14,382	19,484	4,272	5,366	6,086	3,739
\$100,000 and over		3,610	7,269	1,344	875	1,772	3,176
Median—							
Value (dol.)	17,000	47,200	59,700	61,900	52,500	52,100	68,100
Real estate taxes <sup>2</sup> (dol.)	(NA)	460	564	1,100	635	270	572
Units monthly costs <sup>3</sup> —							
With mortgages (dol.)	(NA)	396	463	503	453	426	500
Owned clear (dol.)	(NA)	126	166	223	178	137	134
Specified renter occupied <sup>4</sup>	22,334	27,252	29,214	7,149	6,489	8,791	6,804
With gross rent of—							
Less than \$80	5,468	1,080	646	114	150	302	80
\$80-\$99	3,701	651	551	116	109	201	125
\$100-\$119	3,332	818	1,707	448	395	580	295
\$120-\$149	3,772	1,678	2,364	545	637	606	376
\$150-\$199	3,304	4,219	7,377	1,854	2,086	2,097	1,338
\$200-\$299	1,194	10,023	15,186	3,843	2,804	4,144	4,374
\$300 and over	265	7,516	1,401	226	286	652	229
No cash rent	1,300	1,267	315	316	286	304	362
Median rent (dol.)	108	243					

NA Not available. <sup>1</sup> Includes only 1-family homes on less than 10 acres and no business on the property. <sup>2</sup> Taxes paid previous year. <sup>3</sup> Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage. <sup>4</sup> Excludes 1-family homes on 10 acres or more.

Source: U.S. Bureau of the Census, *Census of Housing, 1970 and 1980*, vol. 1, and *Current Housing Reports*, H-150-83, Annual Housing Survey: 1983, parts A and C.

No. 1225. HEATING EQUIPMENT AND FUELS FOR OCCUPIED UNITS: 1950 TO 1983

ITEM	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1950	1965	1970	1980	1983	1950	1965	1970	1983	1985
l units, total .....	42,828	63,024	63,445	80,380	84,838	100.0	100.0	100.0	100.0	100.0
ment:										
mace.....	11,508	17,378	27,515	39,279	44,320	26.9	32.8	43.4	46.9	52.4
.....				2,635	2,171				3.5	2.6
st water .....	10,071	11,999	13,211	13,859	13,772	23.5	22.6	20.8	17.2	16.3
or pipeless	( <sup>1</sup> )	6,088	5,552	4,893	5,977	( <sup>1</sup> )	11.5	8.6	5.8	7.1
tric units.....	-	864	3,238	6,370	6,207	-	1.3	5.1	7.9	7.3
rs with flue.....	<sup>2</sup> 15,399	<sup>2</sup> 11,163	7,209	6,088	3,438	<sup>2</sup> 36.0	<sup>2</sup> 21.1	11.4	7.6	4.1
rs without flue.....	5,268	5,218	3,568	2,738	2,926	12.3	9.8	5.6	3.4	3.5
stoves, or										
.....	( <sup>2</sup> )	( <sup>2</sup> )	2,788	3,977	5,152	( <sup>2</sup> )	( <sup>2</sup> )	4.4	4.9	6.1
.....	581	503	398	541	677	1.4	.9	.8	.7	.8
g fuel:										
.....	11,387	22,851	35,014	42,656	46,700	26.6	43.1	55.2	53.1	55.2
coals, etc.....	9,888	17,158	16,473	14,855	13,031	22.6	32.4	26.0	18.2	15.4
.....	283	933	4,878	14,788	15,884	.7	1.8	7.7	18.3	18.6
t, or LP gas.....	787	2,656	3,807	4,535	3,969	1.8	5.1	6.0	5.6	4.8
ther fuel.....	4,855	2,460	1,080	2,729	4,245	11.3	4.6	1.7	3.4	5.0
.....	14,828	6,458	1,821	504	432	34.6	12.2	2.9	.6	.5
.....	989	478	395	541	677	2.3	.9	.8	.7	.8
.....	6,403	16,351	25,788	41,906	(NA)	15.0	30.8	40.8	52.1	(NA)
.....	22,084	27,296	31,244	32,375	(NA)	51.6	51.5	49.2	40.3	(NA)
t, or LP gas.....	3,417	6,491	5,314	5,589	(NA)	8.0	12.2	8.4	6.9	(NA)
.....	10,798	2,803	908	398	(NA)	25.2	4.9	1.4	.5	(NA)
.....	124	280	213	142	(NA)	.3	.5	.3	.2	(NA)

nts zero. <sup>1</sup> "Floor, wall, or pipeless furnace" included in "Warm air furnace."  
s, stoves, or portable heaters" included in "Room heaters with flue." <sup>2</sup> Portable heaters.  
Bureau of the Census, *Census of Housing, 1960*, vol. 1, and 1980, vol. 1; *Current Housing Reports*, series H-150-  
using Survey: 1983, part A.

16. OCCUPIED HOUSING UNITS—PRIMARY HEATING FUEL AND EQUIPMENT, BY SELECTED CHARACTERISTICS: 1984

ns. As of November. Excludes Alaska and Hawaii. Covers year-round units only. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	Total occupied housing units <sup>1</sup>	PRIMARY HEATING FUEL					PRIMARY HEATING EQUIPMENT					
		Natural gas	Fuel oil, kerosene	Electricity	LPG <sup>2</sup>	Wood	Warm air furnace with ducts	Steam or hot water system	Room heaters <sup>3</sup>	Floor, wall, or pipeless furnace	Built in electric units	Wood or coal stove
.....	99.3	47.8	12.2	14.5	3.9	6.5	41.8	18.3	5.5	6.5	5.4	6.1
.....	18.2	7.2	8.2	1.4	.2	1.1	5.8	9.7	.3	.1	1.1	1.1
.....	21.6	16.4	1.1	1.3	1.3	1.4	14.5	3.7	.8	.6	.4	1.1
.....	29.3	13.1	2.3	8.4	2.1	2.8	13.8	1.0	3.8	2.4	1.9	2.9
.....	17.1	11.2	.4	3.4	.4	1.1	7.7	.8	.6	3.4	2.0	1.0
.....	53.5	29.8	7.0	7.2	2.6	5.8	27.9	5.1	4.4	4.4	2.6	5.5
.....	4.1	2.5	.7	.7	-	-	2.3	1.1	.2	.1	.1	.1
iding.....	10.0	7.0	1.7	1.0	-	.2	3.8	3.2	.6	1.1	.5	1
nt.....	13.6	7.1	2.2	4.2	-	-	4.1	5.8	.2	7	1.9	-
.....	5.1	1.4	.7	1.4	1.2	.4	3.7	-	.1	.2	2	.4
.....	5.0	2.1	.2	2.0	.2	.4	3.1	.6	-	.1	5	.7
.....	10.1	3.9	.6	4.1	.4	.7	5.2	1.3	.1	.1	1.3	.7
.....	10.7	5.1	.6	3.2	.7	.9	6.2	1.1	1	4	1.2	8
.....	8.2	4.7	.7	1.7	.3	.7	4.4	1.1	.2	.6	.9	.7
.....	7.5	4.3	1.1	1.0	.4	.6	4.1	1.0	.2	.7	.5	.5
.....	12.6	8.3	1.9	1.1	.4	.7	6.5	1.7	.9	1.6	.3	.7
.....	7.0	4.4	1.1	.7	.2	.5	2.9	1.4	.6	1.1	2	.4
for.....	25.2	15.0	5.6	1.0	1.2	2.0	9.4	7.2	3.3	2.0	.5	2.0

nts zero or rounds to zero <sup>1</sup> Includes types of fuel and equipment not shown separately <sup>2</sup> Liquid petroleum  
or without flue.  
Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, August

## No. 1227. APPLIANCES USED BY HOUSEHOLDS, BY REGION AND FAMILY INCOME: 1984

[In millions, except percent. As of November. Represents appliances possessed and generally used by the household. See headnote, table 1226. For composition of regions, see fig. 1, inside front cover]

TYPE OF APPLIANCE	HOUSEHOLDS USING APPLIANCE		REGION				FAMILY INCOME IN 1984			
	Number	Percent of total	North-east	Mid-west	South	West	Under \$15,000	\$15,000-\$24,999	\$25,000-\$34,999	\$35,000 and over
Total households	98.3	100.0	18.3	21.8	28.3	17.1	36.8	17.4	16.5	18.7
Air conditioners: Room <sup>1</sup>	26.8	31.0	7.5	7.2	9.3	2.8	10.7	8.0	5.2	4.8
Central system	24.8	28.5	1.8	5.8	13.3	3.7	8.6	4.4	5.1	8.4
Clothes washer	63.1	73.1	12.4	15.8	22.0	12.0	21.0	12.5	12.4	17.2
Clothes dryer	53.1	61.5	10.7	14.2	17.8	10.5	14.7	10.8	11.8	16.1
Dehumidifier	7.5	8.7	2.8	3.8	1.1	(8)	.9	1.5	2.1	2.5
Dishwasher	32.5	37.8	8.4	8.6	11.5	7.9	6.1	5.7	7.5	13.2
Evaporative cooler <sup>2</sup>	3.2	3.8	(8)	(8)	.5	2.8	1.3	.8	.8	.8
Freezer	31.7	38.7	5.3	9.2	11.7	5.8	10.5	5.9	6.2	9.1
Humidifier	11.3	13.1	2.8	5.2	1.6	.8	2.5	2.0	2.8	4.3
Microwave oven <sup>3</sup>	29.6	34.3	4.0	8.6	10.1	7.0	5.9	8.9	7.4	10.4
Motor vehicles: <sup>4</sup> One	30.7	35.6	6.8	7.7	10.0	6.2	17.0	7.3	3.9	2.5
Two or more	44.8	51.7	7.9	11.2	15.9	9.5	8.8	9.1	10.9	15.8
Outdoor gas grill	11.5	13.4	3.6	2.8	3.5	1.8	1.5	1.7	2.8	5.5
Outdoor gas light	1.2	1.4	.2	.5	.5	(8)	(8)	.2	.2	.4
Oven: Electric	42.4	48.1	7.2	10.0	15.8	9.4	14.4	8.5	8.2	11.2
Gas	35.9	41.5	9.7	9.8	9.7	8.7	16.5	7.4	5.9	8.1
Portable electric heater	8.9	10.3	1.4	1.5	3.7	2.3	3.6	1.7	1.9	1.8
Portable kerosene heater	5.3	6.1	1.3	1.2	2.5	.2	1.7	1.3	1.0	1.4
Range: Electric	46.5	53.9	7.7	11.2	16.2	9.4	16.2	9.2	9.0	12.1
Gas	39.0	45.2	10.4	10.2	10.9	7.6	18.5	8.1	8.1	8.7
Refrigerator: Frost-free	53.9	62.4	9.5	12.8	19.8	11.8	17.1	10.6	10.8	15.3
Non frost-free <sup>5</sup>	32.2	37.3	8.7	8.8	9.5	5.2	17.6	8.7	4.5	3.4
Television set: Color	75.9	88.0	16.3	19.3	25.1	15.2	27.7	15.8	14.4	18.2
Black and white	37.3	43.2	9.0	8.0	13.3	8.0	14.6	7.1	8.7	8.8
Water heater: <sup>6</sup> Gas	41.3	47.8	7.0	12.5	11.8	10.0	14.8	8.1	8.0	10.5
Electric	27.9	32.3	3.9	4.8	15.0	4.3	11.4	5.8	4.7	6.0
Other fuel	2.8	3.2	2.8	(8)	.2	(8)	.7	.5	.5	.7
Whole house cooling fan	6.7	7.8	1.3	1.7	3.1	.7	1.2	1.3	1.7	2.5
Window or ceiling fan	30.6	36.5	6.0	7.9	13.8	3.0	11.2	6.5	8.1	6.9

<sup>1</sup> Figure does not meet publication standards. <sup>2</sup> Includes small amount of households that have both central air conditioners and room units. <sup>3</sup> An air-cooling unit used in dry climates that turns air into moist, cool air by saturating the air with water vapor. <sup>4</sup> Microwave is first or second most used oven. <sup>5</sup> All motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses. <sup>6</sup> Includes refrigerators without freezer compartments. <sup>7</sup> Excludes water heaters that serve more than one household.

Source: U.S. Energy Information Administration, Residential Energy Consumption Survey: Housing Characteristics, 1984, October 1986.

## No. 1228. HOUSING UNITS—CHARACTERISTICS, BY SQUARE FOOTAGE OF FLOOR SPACE: 1980 TO 1984

[See headnote, table 1226. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	AVERAGE NUMBER OF SQUARE FEET PER HOUSEHOLD				HOUSEHOLDS BY MEASURED HEATED SQUARE FOOTAGE OF RESIDENCE (mil.)				
	Total		Heated		Total	Less than 1,000	1,000 to 1,500	1,500 to 2,300	2,400 and over
	Mean	Median	Mean	Median					
1980, total	1,745	1,406	1,406	1,260	81.8	26.8	24.0	17.8	11.3
1981, total	1,734	1,452	1,462	1,247	83.1	28.0	25.2	18.0	11.0
1982, total	1,698	1,483	1,448	1,222	83.8	30.3	25.1	17.7	10.8
1984, total	1,672	1,434	1,440	1,225	88.3	31.9	24.9	16.8	10.7
Northeast	1,914	1,862	1,801	1,407	16.3	6.1	4.2	4.8	2.1
Midwest	1,811	1,645	1,581	1,322	21.6	7.8	4.9	5.2	2.8
South	1,518	1,290	1,337	1,174	29.3	11.0	10.0	8.0	2.9
West	1,509	1,290	1,289	1,113	17.1	7.0	6.8	3.0	1.4
Single family detached	2,049	1,004	1,716	1,547	53.5	10.3	17.8	18.0	9.8
Single family attached	1,880	1,819	1,843	1,580	4.1	.8	1.3	1.4	.5
2-4 unit building	1,169	891	1,087	980	10.1	5.8	2.9	1.9	.5
5 or more unit building	816	743	801	736	13.8	10.8	2.2	.5	.1
Mobile home	837	780	819	788	6.1	4.0	1.1	-	-
Year house built:									
1980 or later	1,543	1,300	1,353	1,208	5.0	1.9	1.5	1.1	.4
1975-1979	1,709	1,500	1,472	1,317	10.1	3.8	2.5	2.5	1.4
1970-1974	1,882	1,184	1,378	1,100	10.7	4.8	2.8	2.1	1.2
1965-1969	1,821	1,326	1,431	1,175	6.2	3.1	2.8	1.5	1.1
1960-1964	1,884	1,358	1,480	1,231	7.5	2.6	2.5	1.5	.9
1955-1959	1,898	1,328	1,451	1,243	12.6	4.2	3.9	3.1	1.9
1950-1954	1,598	1,400	1,387	1,224	7.0	2.6	2.1	1.5	.9
1945 or earlier	1,781	1,584	1,478	1,238	25.2	8.0	7.0	6.7	3.8

- Represents zero or rounds to zero.

Source: U.S. Energy Information Administration, Residential Energy Consumption Survey: Housing Characteristics, 1984, October 1986, and earlier issues.

### 225. EXPENDITURES BY RESIDENTIAL PROPERTY OWNERS FOR IMPROVEMENTS AND MAINTENANCE AND REPAIRS BY TYPE OF PROPERTY AND ACTIVITY: 1970 TO 1986

(In millions of dollars)

TYPE OF EXPENDITURE	Total	1-unit proper- ties with owner occupant	Other proper- ties	ADDITIONS AND ALTERATIONS				Major replace- ments	Main- tenance and repairs
				Total	To structures		To prop- erty outside of struc- tures		
					Addi- tions	Alter- ations			
	14,770	9,489	5,301	6,246	1,411	3,539	1,296	2,620	5,866
	25,238	15,684	9,566	10,997	1,971	6,644	2,182	4,484	9,758
	29,034	18,854	10,180	12,314	3,493	6,367	2,454	5,341	11,379
	31,260	21,761	9,519	14,237	2,655	8,505	3,077	5,669	11,344
	37,461	24,189	13,272	16,458	3,713	8,443	4,302	6,084	12,909
	42,231	28,280	13,951	18,265	3,260	9,642	5,363	8,968	14,950
	46,338	31,481	14,857	21,336	4,183	11,193	5,980	9,816	15,187
	46,351	30,201	16,150	20,414	3,164	11,947	5,303	9,815	16,022
	45,291	29,779	15,512	18,774	2,641	10,711	5,423	9,707	16,610
	49,295	32,524	16,771	20,271	4,739	11,573	3,850	10,095	18,126
	89,784	43,781	28,003	27,622	6,007	14,486	7,329	13,667	29,894
air-conditioning <sup>a</sup>	5,071	2,768	2,303	959	(NA)	959	(NA)	2,391	1,721
	6,919	3,348	3,573	1,201	(NA)	1,201	(NA)	2,408	3,310
	5,140	2,573	2,568	(NA)	(NA)	(NA)	(NA)	3,126	2,014
	6,817	4,996	3,819	(NA)	(NA)	(NA)	(NA)	(NA)	6,817
	80,267	47,742	32,525	29,775	3,966	17,599	7,211	16,134	26,368
air-conditioning <sup>a</sup>	6,086	3,287	1,809	1,121	(NA)	1,121	(NA)	2,322	1,653
	8,120	4,029	4,091	1,502	(NA)	1,502	(NA)	3,115	3,503
	7,497	4,428	3,069	(NA)	(NA)	(NA)	(NA)	5,086	2,411
	11,287	5,810	5,457	(NA)	(NA)	(NA)	(NA)	(NA)	11,287
	91,274	54,298	36,976	30,808	7,377	21,182	10,540	16,886	26,871
air-conditioning <sup>a</sup>	6,232	3,993	2,239	974	(NA)	974	(NA)	3,399	1,860
	8,461	3,791	4,670	1,484	(NA)	1,484	(NA)	3,408	3,569
	7,685	3,834	3,851	(NA)	(NA)	(NA)	(NA)	4,552	3,133
	11,170	5,673	5,497	(NA)	(NA)	(NA)	(NA)	(NA)	11,170

Table. <sup>a</sup> Includes types of expenditures not separately specified. <sup>b</sup> Central air-conditioning.Bureau of the Census, *Construction Reports*, series C50.

### 1230. VACANCY RATES FOR HOUSING UNITS—CHARACTERISTICS: 1981 TO 1986

Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between units for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or for sale occupancy, and vacant units available for rent or sale. For composition of regions, see fig. 1, inside front cover. *Statistical Abstract, Colonial Times to 1970*, series N 249-256]

%	1982	1983	1984	1985	1986	HOMEOWNER UNITS	1981	1982	1983	1984	1985	1986
	5.0	5.3	5.7	5.8	6.5	Total home-owner units	1.4	1.6	1.6	1.7	1.7	1.8
	4.8	5.0	5.5	5.7	6.3	Inside SMSAs	1.4	1.5	1.6	1.6	1.7	1.5
	5.7	6.2	6.3	6.4	7.1	Outside SMSAs	1.3	1.5	1.5	1.6	1.9	1.8
	3.7	3.7	4.0	3.7	3.5	Northeast	1.1	1.0	1.0	1.0	1.0	1.0
	5.9	6.3	6.1	5.9	5.9	Midwest	1.4	1.6	1.5	1.6	1.6	1.5
	5.4	5.9	6.9	7.9	9.1	South	1.3	1.6	1.8	2.0	2.1	2.1
	5.1	5.4	5.2	5.2	6.2	West	1.7	1.9	1.8	2.0	2.1	1.6
for						Units in structure:						
	3.3	3.6	3.7	3.8	3.8	1 unit	1.1	1.2	1.3	1.4	1.4	1.3
	6.0	6.2	6.7	7.0	7.9	2 or more	5.4	6.1	5.2	6.1	6.6	5.6
	6.4	6.5	7.1	7.5	8.8	5 or more	10.6	12.2	8.6	10.6	10.1	8.3
for						Units with:						
	6.9	7.2	7.2	7.5	8.8	3 rooms or less	3.5	3.9	3.3	4.6	5.6	5.2
	4.8	5.0	5.7	6.3	6.8	4 rooms	2.0	2.4	2.4	2.6	2.3	2.3
	3.8	4.0	4.4	4.6	5.0	5 rooms	1.4	1.4	1.4	1.6	2.0	1.7
	3.2	3.5	3.7	3.5	3.2	6 rooms or more	1.1	1.2	1.3	1.4	1.4	1.3
for						Value:						
	3.0	3.4	2.5	2.7	3.5	Less than \$19,999	1.6	2.3	2.3	2.5	2.5	2.6
	5.2	5.4	5.7	5.9	6.6	\$20,000 or more	1.1	1.2	1.2	1.3	1.3	1.2
for						Year built:						
	5.1	5.3	5.9	6.6	7.9	1980 or later	1.6	1.6	1.6	2.0	2.0	1.8
	5.3	5.6	6.2	6.6	7.9	1965 or later	1.6	2.1	1.9	2.0	2.0	1.8
	4.9	5.2	5.4	5.6	6.2	1950-1959	1.6	1.9	1.1	1.2	1.2	1.2
	5.2	5.5	5.8	5.3	5.0	1939 or earlier	1.6	1.6	1.7	1.7	1.8	1.8
for						Plumbing:						
	4.8	5.1	5.5	5.7	6.3	With all facilities	1.4	1.5	1.5	1.6	1.7	1.6
for						Lacking facilities	3.3	3.9	3.6	5.3	7.5	6.0

Bureau of the Census, *Current Housing Reports*, series H-111.



### NO. 1231. RECENT HOME BUYERS—GENERAL CHARACTERISTICS AND DOWNPAYMENTS: 1976 TO 1986

(As of October. Based on a sample survey; subject to sampling variability)

ITEM	Unit	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Median price of house purchased.....	Dollars.....	43,340	58,100	66,714	76,220	82,500	90,000	99,400	100,000	100,400	100,400	103,880
First-time buyers.....	Dollars.....	37,670	50,900	61,450	63,160	68,900	73,100	81,500	81,500	81,500	75,100	74,700
Repeat buyers <sup>1</sup> .....	Dollars.....	50,090	64,600	75,790	82,220	88,300	101,600	100,400	101,600	100,400	105,200	114,880
Average monthly mortgage payment.....	Dollars.....	329	449	500	564	632	704	794	868	908	968	1,032
Percent of income.....	Percent.....	24.0	28.2	32.4	35.5	33.0	32.5	30.3	30.3	30.3	30.0	28.8
Percent buying—												
New houses.....	Percent.....	15.1	17.8	22.4	25.2	23.2	26.4	22.3	22.3	22.3	23.8	25.7
Existing houses.....	Percent.....	84.9	82.2	77.6	74.8	76.8	73.6	77.7	77.7	77.7	76.2	74.3
Single-family houses.....	Percent.....	86.8	87.5	82.4	78.9	78.6	87.8	88.9	87.8	87.8	87.0	86.1
Multiple-family houses.....	Percent.....	4.8	6.3	6.5	6.9	6.5	4.8	2.5	4.8	4.8	4.2	6.2
Condominiums.....	Percent.....	8.4	6.8	12.1	13.4	16.9	7.8	7.6	7.6	7.6	8.4	8.9
For the first time.....	Percent.....	44.8	38.8	32.9	38.4	40.6	40.5	37.7	37.7	37.7	38.6	36.5
Average age of first-time buyers.....	Years.....	26.1	28.4	28.3	28.4	28.6	28.9	28.1	28.1	28.1	28.4	30.6
Average age of repeat buyers <sup>1</sup> .....	Years.....	35.9	34.7	36.4	36.4	37.1	37.3	37.8	37.8	37.8	38.4	36.5
Downpayment to sales price.....	Percent.....	25.2	24.8	26.0	24.1	22.4	22.9	20.9	20.9	24.8	24.8	23.4
First-time buyers.....	Percent.....	18.0	17.6	20.5	19.4	15.1	15.7	13.2	13.2	11.4	11.4	13.4
Repeat buyers <sup>1</sup> .....	Percent.....	30.8	29.0	32.7	27.1	27.9	27.8	25.0	25.0	32.7	32.7	28.9

<sup>1</sup> Buyers who previously owned a home.

Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor*, bimonthly. (Copyright.)

### NO. 1232. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY, 1970 TO 1986, AND BY LENDER, 1986

(In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions)

TYPE OF PROPERTY	1970	1975	1980	1982	1983	1984	1985	1986, BY LENDER					Mutual savings
								Total <sup>1</sup>	Savings and loan	Commercial banks	Mortgage companies	Fed. credit agencies	
Loans, total .....	99.8	120.7	187.2	183.9	255.6	319.2	363.3	958.7	218.3	281.2	142.9	8.2	36.1
1-4 unit family home .....	35.6	77.9	133.7	97.0	201.9	203.7	243.0	454.0	178.1	107.6	131.6	2.7	31.1
New units .....	12.6	24.6	48.1	30.6	47.4	53.7	53.6	82.7	24.7	18.5	35.0	1.1	4.1
Existing units .....	23.0	53.3	84.6	66.4	154.5	150.0	189.4	371.3	151.4	89.1	96.6	1.6	27.0
Multifamily residential .....	6.6	10.7	12.5	11.4	21.4	27.6	31.9	49.5	19.9	6.8	7.2	1.7	2.9
New units .....	7.0	6.8	8.6	6.1	8.8	11.1	10.6	15.1	2.8	1.8	-	1.4	3.1
Existing units .....	1.8	4.9	3.9	5.3	12.6	16.5	21.3	34.4	17.0	5.0	7.2	3	2.6
Non-residential .....	12.5	24.2	35.9	34.5	62.4	77.3	98.4	145.4	22.2	82.0	4.1	.5	5.1
Farm properties .....	3.0	7.8	15.0	11.2	9.9	10.5	9.0	9.8	.2	4.9	-	3.3	-

— Represents zero.

<sup>1</sup> Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970-1979*, and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

### NO. 1233. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1970 TO 1986

(Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks)

LOAN CHARACTERISTIC	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>NEW HOMES</b>														
Contract interest rate.....	Percent.....	8.3	8.8	8.6	8.6	9.3	10.5	12.3	14.1	14.5	12.1	11.9	11.1	9.7
Initial fees, charges <sup>1</sup> .....	Percent.....	1.03	1.53	1.42	1.32	1.39	1.66	2.09	2.86	2.96	2.36	2.86	2.82	2.90
Term to maturity.....	Years.....	25.1	27.0	27.3	27.9	28.0	28.5	28.1	27.7	27.5	26.7	27.6	27.0	26.8
Loan to price ratio.....	Percent.....	71.7	76.2	75.7	76.3	75.2	73.8	73.2	74.8	76.6	77.3	78.6	77.1	76.3
Purchase price.....	\$1,000.....	35.5	44.7	48.1	54.4	62.6	74.4	83.2	90.3	94.1	93.9	96.6	105.0	118.6
<b>EXISTING HOMES</b>														
Contract interest rate.....	Percent.....	8.2	9.0	8.8	8.8	9.4	10.8	12.6	14.5	14.6	12.3	12.0	11.2	9.8
Initial fees, charges <sup>1</sup> .....	Percent.....	.92	1.16	1.14	1.17	1.26	1.44	1.91	2.27	2.55	2.40	2.54	2.69	2.13
Term to maturity.....	Years.....	22.8	24.2	24.6	25.8	26.4	27.1	26.9	25.9	24.9	25.9	26.3	26.5	25.4
Loan to price ratio.....	Percent.....	71.1	73.5	73.8	75.1	75.0	74.0	73.5	72.9	71.9	74.3	76.6	75.7	73.6
Purchase price.....	\$1,000.....	30.0	39.2	42.0	47.6	54.5	64.8	68.3	68.5	70.7	79.3	82.2	92.7	108.5

<sup>1</sup> Fee applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual, and monthly news releases.

## 1234. LOW-INCOME PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1966

As of Dec. 31. Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped, to Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Index, Colonial Times to 1970*, series N 186-191.

	Total	Occu- pied units <sup>1</sup>	Under con- struction	Other <sup>2</sup>	YEAR	Total	Occu- pied units <sup>1</sup>	Under con- struction	Other <sup>2</sup>
1960	993.3	479.2	28.4	79.8	1962	1,432.2	1,221.4	66.7	134.1
1961	18.9	1.1	4.1	13.7	Elderly	392.0	328.4	27.7	35.9
1962	1,166.3	693.6	126.8	136.0	1963	1,469.3	1,262.6	66.7	134.1
1963	249.4	143.4	65.7	40.3	Elderly	410.0	336.4	35.7	35.9
1964	1,316.7	1,190.4	62.9	63.4	1964	1,566.7	1,312.8	24.0	31.8
1965	336.3	286.3	24.3	23.7	Elderly	373.0	351.4	9.4	12.2
1966	1,321.1	1,196.6	29.9	104.6	1965	1,378.0	1,344.8	8.6	19.6
	358.3	317.7	11.5	29.1	Elderly	373.5	361.1	2.1	10.3
	1,404.0	1,329.2	61.8	122.2	1966	1,562.3	1,351.6	1.8	38.7
	365.4	327.7	21.8	35.9	Elderly	367.6	359.6	3.8	5.6

ment or available for occupancy. <sup>2</sup> To be constructed or to go directly "under management" because no bid.

Dept. of Housing and Urban Development, unpublished data.

## No. 1235. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1970 TO 1966

dollars. Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297.

LOAN	1970	1975	1979	1979	1980	1981	1982	1983	1984	1985	1986
of loans	11,862	7,941	16,099	22,848	22,301	14,976	14,106	31,651	17,748	28,378	61,758
of: New properties	2,687	1,148	1,891	3,409	4,071	3,177	2,444	4,209	3,704	3,999	7,129
of: New properties	5,447	5,017	9,259	14,758	12,387	7,102	5,643	22,363	10,821	19,966	49,772
of: New properties	3,251	976	3,270	2,719	4,197	3,024	4,464	3,227	1,867	3,219	3,706
of: New properties	617	799	1,688	1,982	1,646	1,674	1,554	1,852	1,357	1,195	1,149

y secured by mortgages. Includes mobile home loans.

Dept. of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter, unpublished data.

## OFFICE BUILDINGS—VACANCY RATES, 1960 TO 1967, AND STATUS OF SUPPLY, 1967, BY MAJOR CITY

number, except 1967, as of June. Excludes government owned and occupied, owner-occupied, and medical office buildings.]

CITY	VACANCY RATE FOR EXISTING SPACE (percent)								SUPPLY STATUS, 1967 (mil. sq. ft.)			
									Existing space		Space under construction	
	1960	1961	1962	1963	1964	1965	1966	1967	Total	Avail- able for lease	Total	Avail- able for lease
...	4.8	5.4	11.0	13.5	15.5	16.6	18.6	19.3	1,867.4	321.3	117.1	63.6
...	10.0	13.6	16.8	13.7	14.5	21.0	20.1	21.3	67.8	14.4	6.1	4.6
...	7.2	3.2	5.9	6.4	11.9	11.5	15.9	19.4	22.5	4.4	2.7	1.6
...	3.8	4.7	7.8	4.4	8.9	13.1	13.0	12.9	92.6	11.9	7.0	5.6
...	(NA)	(NA)	(NA)	(NA)	16.7	16.7	15.5	15.1	14.2	2.1	1.7	0
...	7.0	6.4	6.9	12.6	14.8	16.5	19.6	18.2	165.2	30.0	13.3	9.7
...	9.7	(NA)	6.7	17.1	14.7	18.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
...	8.6	6.4	18.6	21.5	18.7	23.0	30.9	30.1	112.7	34.0	6.0	2.6
...	6.6	4.1	22.6	24.1	20.6	24.7	25.1	25.3	86.0	16.7	1.1	9
...	(NA)	(NA)	(NA)	(NA)	24.1	22.5	24.7	26.2	20.0	5.2	1.8	5
...	6.7	7.8	7.3	16.5	17.4	15.3	12.9	12.1	17.7	2.1	1.9	1.5
...	4.0	7.6	20.3	26.9	25.0	27.6	30.6	32.0	148.3	47.5	5	3
...	4.2	6.7	12.4	15.7	16.6	18.2	18.2	20.0	28.8	5.6	1.6	6
...	9	5.5	12.3	14.0	20.4	15.3	13.2	14.8	151.2	22.4	13.6	11.7
...	2.4	5.0	6.3	14.0	16.2	20.9	25.2	27.0	27.2	7.9	7	3
...	(NA)	3.7	7.4	19.0	22.4	21.6	25.5	24.8	22.7	5.6	4	4
...	3.1	3.6	4.9	5.0	6.8	7.6	8.9	11.3	217.0	24.5	9.2	5.9
...	6.3	5.7	12.8	9.8	9.0	14.5	15.5	16.5	51.8	6.5	5.7	3.7
...	1.2	2.8	7.1	7.8	14.2	(NA)	12.0	15.0	34.6	5.2	2.7	1.6
...	(NA)	(NA)	25.3	22.9	21.6	24.7	25.4	24.4	26.2	6.4	1.9	1.4
CA	4	4.2	7.3	11.3	9.0	13.7	16.6	14.5	49.9	7.2	3.1	2.3
...	(NA)	(NA)	(NA)	(NA)	18.9	15.6	21.4	21.3	26.5	7.8	2.5	2.0
...	(NA)	(NA)	(NA)	(NA)	23.9	23.9	24.1	22.0	23.8	5.2	2.0	1.2
...	2.5	1.7	6.3	7.2	9.6	9.0	13.6	13.6	125.3	17.2	18.1	14.9
Y	(NA)	(NA)	(NA)	(NA)	23.2	23.7	22.7	22.0	24.0	5.3	.5	.5

Table. <sup>1</sup> Includes other cities not shown separately. In 1967, 32 cities were covered. <sup>2</sup> Refers to Manhattan. Office Network\*, Houston, TX, 1960-1985, *National Office Market Report*, semi-annual; thereafter, *International Report*, semi-annual. (Copyright.)

No. 1237. COMMERCIAL BUILDINGS—SELECTED CHARACTERISTICS, BY SQUARE FOOTAGE OF FLOORSPACE: 1983

[Excludes Alaska and Hawaii. Building type based on predominant activity in which the occupants were engaged. Excludes industrial buildings. Based on a sample survey building representatives conducted between March and August 1983; therefore, subject to sampling variability. For data on energy consumption and expenditures in commercial buildings, see tables 916 and 917. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	Number of build- ings (1,000)	FLOORSPACE (mil. sq. ft.)							Aver- age sq. ft. per build- ing (1,000)	Median sq. ft. per build- ing (1,000)
		Total	Within all buildings having square footage of—							
			5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over		
All buildings .....	3,948	52,325	4,908	5,246	8,912	7,882	7,188	18,389	13.3	4.8
Region:										
Northeast .....	670	11,615	784	939	1,960	1,915	1,754	4,264	17.3	5.7
Midwest .....	1,211	16,059	1,526	1,685	2,616	2,334	2,146	5,750	13.3	4.0
South .....	1,483	17,049	1,971	1,885	2,923	2,176	2,199	6,094	11.4	3.3
West .....	574	7,602	627	937	1,412	1,267	1,088	(s)	13.2	4.7
Year constructed:										
1980 to 1983 .....	140	5,675	127	163	523	479	794	3,580	40.5	9.8
1974 to 1979 .....	530	6,616	688	635	1,298	1,029	848	2,118	12.5	4.1
1971 to 1973 .....	209	3,442	249	320	496	654	556	1,168	16.4	5.1
1961 to 1970 .....	721	9,947	961	980	1,417	1,371	1,533	3,885	13.8	3.4
1946 to 1960 .....	946	6,612	1,187	1,279	1,699	964	1,265	3,219	10.2	3.1
1921 to 1945 .....	726	8,639	685	980	1,663	1,688	949	2,568	11.9	3.8
1901 to 1920 .....	388	5,453	514	600	1,049	1,010	942	1,337	14.1	5.1
1900 or before .....	288	2,940	496	440	767	530	281	(s)	10.2	4.8
Principal activity within building:										
Assembly .....	457	5,453	485	901	1,390	912	621	(s)	12.0	5.9
Educational .....	177	8,044	113	162	580	1,322	1,619	2,248	34.2	18.1
Food sales/service .....	380	2,051	635	343	556	209	179	(s)	5.4	2.8
Health care .....	61	2,277	80	(s)	(s)	(s)	(s)	1,761	37.6	4.7
Lodging .....	108	2,241	95	166	310	495	318	688	21.1	6.8
Mercantile/services .....	1,071	10,427	1,433	1,562	2,013	1,088	1,088	(s)	9.7	3.5
Office .....	575	8,454	749	803	1,236	976	933	3,757	14.7	4.1
Residential .....	238	2,454	325	265	746	432	(s)	(s)	10.4	4.4
Warehouse .....	425	8,791	448	448	1,202	1,203	1,198	2,293	16.0	4.8
Other .....	179	2,780	176	186	405	350	214	1,429	15.4	3.4
Vacant .....	281	3,342	388	314	410	582	614	1,054	11.9	3.3
Number of establishments in build- ing:										
None .....	142	1,475	218	(s)	137	187	342	300	10.4	3.1
Single establishment .....	3,180	35,227	4,077	3,670	6,563	5,710	5,031	9,975	11.1	3.8
Multi-establishment .....	645	15,623	613	1,202	2,212	1,795	1,794	8,007	24.2	7.5
Government occupancy:										
Government occupied .....	346	10,099	327	376	959	1,356	1,551	5,529	29.2	7.2
Not Government occupied .....	3,602	42,225	4,580	4,868	7,953	6,396	5,616	12,871	11.7	3.9
Fuels used alone or in combination:										
Electricity .....	3,783	51,359	4,701	5,079	8,610	7,491	6,973	16,305	13.6	4.1
Natural gas .....	2,314	37,000	2,732	3,522	8,061	5,484	4,980	14,342	16.0	5.0
Fuel oil .....	633	13,313	743	688	1,656	1,425	1,509	7,083	21.0	5.1
Propane .....	280	3,007	980	265	515	328	209	1,290	11.6	3.5
Purchased steam .....	80	4,594	(s)	(s)	235	448	645	3,173	76.2	29.2
Other .....	245	3,997	345	280	497	337	535	2,024	16.3	3.6

S Figure does not meet publication standards.

Source: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983*.

**COMMERCIAL BUILDINGS AND WORKERS—SELECTED BUILDING CHARACTERISTICS, BY  
FLOORSPACE: 1983**

[See headnote, table 1237]

CHARACTERISTICS	NUMBER OF BUILDINGS (1,000)							WORKERS		
	Total	Square footage of—						Number 1,000	Average sq. ft. per worker	Median sq. ft. per worker
		5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over			
Total	3,848	2,246	726	867	322	107	79	77,673	674	714
Within building:										
870	308	131	130	58	27	18	16,833	688	849	
1,211	988	234	163	68	31	27	22,859	709	731	
1,493	985	236	185	80	32	24	26,347	647	677	
574	299	124	89	37	17	9	12,034	632	604	
457	209	122	86	27	9	4	5,898	914	1,087	
177	45	24	33	37	24	14	6,131	988	971	
380	287	48	26	6	3	(8)	5,670	382	360	
61	31	(8)	(8)	(8)	(8)	7	5,512	413	387	
108	42	23	19	14	5	3	2,373	944	1,176	
1,071	888	217	131	30	17	10	13,914	749	735	
575	328	108	81	27	14	15	20,174	323	364	
236	131	37	48	13	(8)	(8)	1,371	1,790	1,295	
425	221	64	75	36	16	11	6,386	1,261	1,253	
179	111	24	25	10	3	5	3,824	782	804	
281	177	43	28	17	9	6	1,520	2,199	(X)	
346	183	51	61	23	19	17,148	589	544		
3,802	2,086	674	507	183	84	59	60,524	688	731	

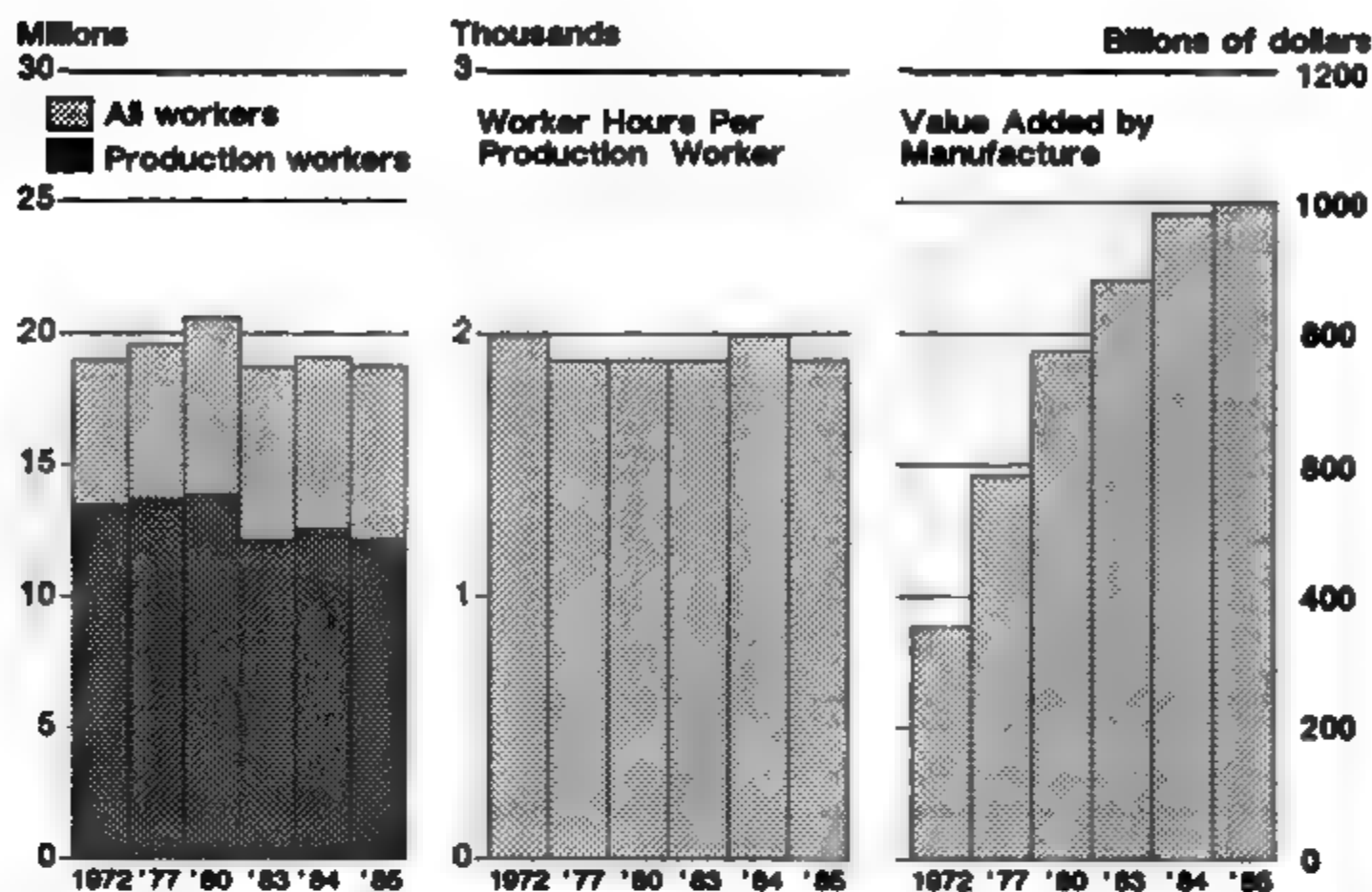
X Not meet publication standards. X Not applicable.

Source: Bureau of Economic Analysis, *Characteristics of Commercial Buildings, 1983*.
**COMMERCIAL BUILDINGS—NUMBER AND SQUARE FOOTAGE OF FLOORSPACE, BY TYPE OF  
BUILDING AND CHARACTERISTIC: 1983**

CHARACTERISTICS	All build- ings	As- sembly	Educa- tional	Food sales/ service	Health care	Lodg- ing	Mer- cantile/ serv- ices	Office	Resi- dential	Ware- house	Other <sup>1</sup>
(1,000)											
Total	3,848	457	177	288	61	186	1,071	575	236	425	489
870	61	28	58	11	13	183	97	97	57	86	
1,211	149	39	120	21	12	353	178	78	131	130	
1,493	202	79	145	20	57	383	191	44	170	201	
574	45	31	57	(8)	24	151	112	16	66	63	
288	51	(8)	24	(8)	(8)	71	35	54	20	(8)	
380	96	11	43	(8)	(8)	95	41	45	41	(8)	
726	98	24	55	6	15	194	107	89	80	104	
948	102	58	78	19	35	311	97	36	89	110	
721	67	45	76	10	27	187	121	(8)	81	72	
209	19	6	23	(8)	12	82	45	(8)	22	(8)	
530	50	20	70	12	7	139	100	(8)	86	57	
140	14	10	12	3	3	21	28	(8)	18	20	
Agency: coupled	346	45	57	(8)	13	(8)	32	79	(8)	20	63
not occupied	3,802	411	120	372	47	101	1,039	496	233	406	376
E (mil. sq. ft.)											
Total	32,325	6,493	6,644	2,081	2,377	2,341	10,427	8,464	2,464	8,791	6,192
11,815	1,053	1,374	382	502	422	2,040	1,774	1,336	1,234	1,499	
16,069	1,755	1,834	724	1,015	699	3,219	2,179	717	2,130	1,816	
17,049	1,836	2,082	618	587	803	3,843	2,803	289	2,288	1,813	
7,802	(8)	754	320	193	348	1,325	1,599	103	1,149	973	
2,940	373	(8)	129	(8)	(8)	488	429	608	315	283	
5,453	791	436	249	(8)	(8)	682	715	517	915	394	
8,839	739	1,084	208	215	523	1,345	1,336	721	1,096	1,269	
8,612	1,142	1,823	388	751	301	2,120	988	278	1,348	716	
8,947	896	1,494	380	346	647	1,978	1,773	(8)	1,496	832	
3,442	318	357	183	(8)	256	736	625	(8)	383	(8)	
8,616	654	674	376	506	213	1,486	1,370	(8)	787	508	
5,875	(8)	274	171	130	164	(8)	1,189	(8)	852	1,256	
Agency: coupled	10,098	651	2,625	(8)	552	289	(8)	2,187	(8)	373	1,882
not occupied	42,225	4,831	3,418	1,913	1,725	1,883	8,858	6,257	2,400	6,418	4,420

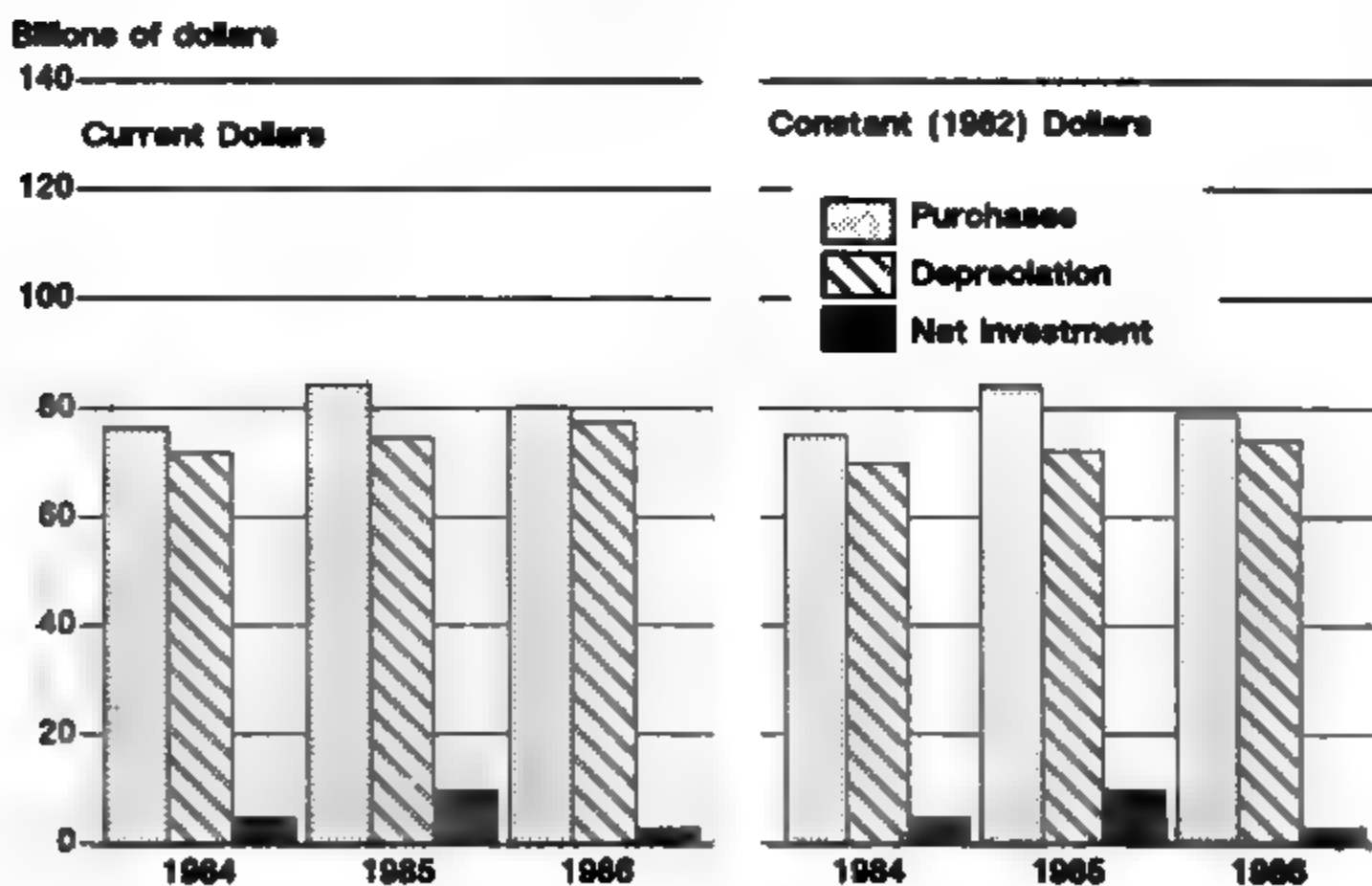
X Not meet publication standards. <sup>1</sup> Includes vacant commercial buildings.Source: Bureau of Economic Analysis, *Characteristics of Commercial Buildings, 1983*.

**Figure 27.1**  
**Manufactures-Summary: 1972 to 1985**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1241.

**Figure 27.2**  
**Capital In Manufacturing Establishments: 1984 to 1986**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1246.



## Section 27

# Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for industry groups and selected specific products. The types of measures shown at the detail levels include data for establishments; employment and wages; raw materials, fuels, and utility consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five years; the *Annual Survey of Manufactures*; and the *Current Industrial Statistics* series, which presents monthly, quarterly, or annual data on production, shipments, and sales for particular commodities. Indices of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or on movements of individual commodities, are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the National Trade Administration; and by private research or trade associations such as The Commerce Board, Inc., New York, and the American Iron and Steel Institute, Washington, DC.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Bureau of the Census. Industry aggregates in the form of balance sheets, and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and rates of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also section 17, *Business Enterprise*, in this edition.

**Censuses and annual surveys.**—The first census of manufactures covered the year 1909. Between 1909 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one employee or more. The *Annual Survey of Manufactures*, conducted for the first time in 1949, collects data for the intervals between censuses for the more general measures of manufacturing activity covered in detail in the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The most recent, 1985, annual survey is based on a sample of about 100,000 establishments of an approximate total of 350,000. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative sample of the more numerous small plants. Government-owned and -operated establishments are excluded.

**Basic statistical measures of manufacturing activity.**—Such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the periods ending nearest the 15th of March, May, August, and November, whereas for 1947 averages were based on 12 monthly employment figures. In 1967, the average employment figures were revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

**Establishments and classification.**—The censuses of manufactures for 1947 through 1982 are based on manufacturing establishments as defined in the *Standard Industrial Classification (SIC)*, issued by the U.S. Office of Management and Budget (see text, section 13). The SIC is also used for classifying establishments in the annual surveys. The comparability of manufacturing data over time is affected by changes in the official definitions of industries as presented in the SIC. It is important to note therefore, that the 1972 edition of the *Manual* was used for the 1967 census; and the 1972 edition of the *Manual* and the 1977 *Supplement* was used for the 1972 and 1982 censuses while the 1967 *Manual* was used for the 1967 census. For the censuses from 1917 to 1963, reports were required from all establishments employing one or more persons.



at any time during the census year. Beginning with the 1967 census, an effort was made to relieve the very small establishments from the necessity of filing a census report. Approximately 130,000 small single-unit manufacturing firms identified as having less than 20 employees (cutoff varied by industry) benefited from this procedure. Data for these single unit companies were estimated on the basis of government administrative records and industry averages. Each of the establishments tabulated was classified in one of the approximately 450 manufacturing industries as defined by the *SIC Manual* in 1972, 1977, and 1982. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures; therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1982 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

**No. 1240. GROSS NATIONAL PRODUCT IN MANUFACTURING IN CURRENT AND CONSTANT (1982)  
DOLLARS: 1970 TO 1986**

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Current dollars, total	252	357	562	551	543	535	522	772	799	824
Percent of gross national product	25	22	22	21	21	20	20	20	20	19
Durable goods <sup>1</sup>	146	200	345	352	356	363	366	451	479	479
Fabricated metal products	18	27	45	46	50	46	48	55	57	57
Machinery, except electrical	25	42	71	77	85	80	75	85	88	88
Electric and electronic equipment	22	28	49	55	61	62	66	75	87	86
Motor vehicles and equipment	16	20	36	27	32	30	35	45	51	50
Nondurable goods <sup>1</sup>	106	151	217	229	237	272	306	321	320	345
Food and kindred products	27	39	48	52	56	61	65	67	70	71
Paper and allied products	10	14	22	23	25	27	26	32	33	35
Printing and publishing	13	16	29	32	35	38	42	44	52	54
Chemicals and allied products	19	30	44	46	53	55	60	62	61	64
Constant dollars, total	507	548	687	685	676	635	676	788	799	812
Durable goods <sup>1</sup>	305	325	434	442	455	383	396	467	481	519
Fabricated metal products	44	42	55	53	52	48	48	56	56	55
Machinery, except electrical	57	64	84	85	89	80	87	115	136	151
Electric and electronic equipment	34	38	60	63	64	62	66	77	84	85
Motor vehicles and equipment	27	34	48	34	34	30	36	48	46	45
Nondurable goods <sup>1</sup>	202	223	274	271	271	272	280	321	318	294
Food and kindred products	44	48	55	57	58	61	62	61	63	63
Paper and allied products	19	20	27	25	25	27	29	30	31	31
Printing and publishing	30	32	38	37	38	38	40	41	43	42
Chemicals and allied products	34	39	55	50	54	55	60	60	56	59

<sup>1</sup> Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987 issue.

## No. 1241. MANUFACTURES—SUMMARY: 1963 TO 1985

ent coverage, see text, section 27. Data based on Census of Manufactures, except as noted. For composition of NA, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12.]

Item	Unit	1963	1967	1972	1977	1980 <sup>1</sup>	1981 <sup>1</sup>	1982	1983 <sup>1</sup>	1984 <sup>1</sup>	1985 <sup>1</sup>
<b>ESTABLISHMENTS</b>											
establishments <sup>2</sup>	1,000	312	311	321	325	(NA)	(NA)	308	(NA)	(NA)	(NA)
more employees	1,000	102	110	114	119	(NA)	(NA)	123	(NA)	(NA)	(NA)
all:											
a	1,000	305	306	313	351	(NA)	(NA)	348	(NA)	(NA)	(NA)
b	1,000	207	199	203	237	(NA)	(NA)	230	(NA)	(NA)	(NA)
c	1,000	70	74	76	76	(NA)	(NA)	84	(NA)	(NA)	(NA)
d	1,000	18	20	21	22	(NA)	(NA)	21	(NA)	(NA)	(NA)
e	1,000	10	11	11	12	(NA)	(NA)	11	(NA)	(NA)	(NA)
f	1,000	3	3	3	2	(NA)	(NA)	2	(NA)	(NA)	(NA)
non:											
a	1,000	178.2	153.9	233.2	284.2	(NA)	(NA)	283.2	(NA)	(NA)	(NA)
b	1,000	150.4	33.2	87.5	75.7	(NA)	(NA)	74.0	(NA)	(NA)	(NA)
c	1,000	99.2	24.9	42.5	52.3	(NA)	(NA)	45.6	(NA)	(NA)	(NA)
d	1,000	27.7	8.7	17.7	18.3	(NA)	(NA)	15.0	(NA)	(NA)	(NA)
e	Percent	29.8	29.1	26.3	23.7	24.2	(NA)	23.7	(NA)	(NA)	(NA)
f	Percent	35.4	35.0	34.9	34.4	31.1	(NA)	29.8	(NA)	(NA)	(NA)
g	Percent	21.5	22.7	25.5	27.4	28.5	(NA)	29.5	(NA)	(NA)	(NA)
h	Percent	13.3	13.0	13.4	14.5	15.2	(NA)	17.0	(NA)	(NA)	(NA)
annual average <sup>3</sup> :											
a	million	17.9	18.3	18.8	18.6	20.8	20.3	19.1	18.7	19.1	18.8
b	bill. dol.	100	132	174	264	350	379	380	395	429	443
c	\$1,000	5.9	5.8	9.2	13.5	17.0	18.7	19.9	21.1	24.0	23.6
d	million	12.2	14.0	13.5	13.7	13.9	13.5	12.4	12.2	12.6	12.2
e	Percent	71.8	72.2	71.1	68.9	67.3	66.6	64.9	65.2	70.4	64.9
f	million	24.5	27.8	26.7	26.7	26.7	26.2	23.5	23.6	24.6	23.7
g	1,000	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	1.9
h	bill. dol.	82	81	106	87	196	212	205	212	232	236
i	Percent	62.0	61.6	60.6	59.5	58.6	56.0	53.9	53.6	54.1	53.0
j	\$1,000	5.1	5.8	7.8	11.5	14.3	15.7	16.5	17.4	18.4	19.3
k	Dollar	2.63	2.92	3.95	5.89	7.41	8.09	8.70	8.99	9.41	9.92
l	bill. dol.	192	262	364	585	774	838	824	882	964	988
m	\$1,000	15.7	18.8	26.2	42.7	56.7	61.8	66.5	72.4	78.2	81.9
n	Dollar	7.83	9.41	13.25	21.93	26.98	31.96	35.01	37.36	39.92	42.10
o	Dollar	2.90	3.22	3.36	3.72	3.91	3.95	4.02	4.16	4.24	4.25
p	bill. dol.	230	269	407	782	1,094	1,194	1,130	1,170	1,268	1,276
q	bill. dol.	421	557	757	1,359	1,853	2,018	1,980	2,055	2,254	2,279
r	\$1,000	34.4	39.9	55.9	99.2	133.3	149.0	158.1	168.6	179.1	186.8
s	bill. dol.	60	84	108	186	262	279	307	308	330	322
t	bill. dol.	11.4	21.5	24.1	47.5	70.1	78.6	75.0	61.9	75.3	63.3
u	Ratio	45.8	47.0	46.7	42.9	41.8	41.5	42.9	43.7	43.6	43.6
v	Ratio	14.2	15.0	14.2	13.6	14.1	13.6	15.7	15.0	14.6	14.1
w	Ratio	52.0	50.3	49.1	45.2	45.3	45.2	46.1	44.8	43.6	44.3
x	bill. dol.	158	218	301	439	574	630	692	731	772	821
y	bill. dol.	(NA)	157	218	328	434	479	527	559	592	632
z	\$1,000	9.3	11.3	16.4	22.4	27.8	31.1	36.2	39.1	40.4	43.7
<b>EMPLOYMENT</b>											
a	1,000	45.9	51.7	70.2	81.2	(NA)	(NA)	81.7	(NA)	(NA)	(NA)
b	million	11.0	13.3	14.3	15.0	(NA)	(NA)	14.3	(NA)	(NA)	(NA)
c	million	8.1	9.8	9.8	10.1	(NA)	(NA)	8.8	(NA)	(NA)	(NA)
d	bill. dol.	68.2	93.8	136.8	214.2	(NA)	(NA)	307.5	(NA)	(NA)	(NA)
e	bill. dol.	44.7	60.8	81.9	124.9	(NA)	(NA)	159.1	(NA)	(NA)	(NA)
f	bill. dol.	148.6	206.4	286.1	485.0	(NA)	(NA)	678.4	(NA)	(NA)	(NA)
g	bill. dol.	8.0	18.6	20.0	41.0	(NA)	(NA)	65.2	(NA)	(NA)	(NA)
<b>PRODUCTS</b>											
a	1,000	260.8	264.0	250.5	278.7	(NA)	(NA)	276.3	(NA)	(NA)	(NA)
b	million	5.2	5.2	4.8	4.6	(NA)	(NA)	4.8	(NA)	(NA)	(NA)
c	bill. dol.	25.1	28.5	35.4	49.8	(NA)	(NA)	72.1	(NA)	(NA)	(NA)
d	bill. dol.	45.5	55.5	67.9	100.1	(NA)	(NA)	145.7	(NA)	(NA)	(NA)

10. <sup>1</sup> Estimated data based on *Annual Survey of Manufactures*; see text, section 27. <sup>2</sup> Includes all auxiliary units, except as noted. <sup>3</sup> Excludes administrative offices and auxiliary units. <sup>4</sup> Includes forms of from separately. <sup>5</sup> Includes data for employees of manufacturing establishments engaged in distribution and

<sup>6</sup> Data are based on pay periods ending nearest 15th of March, May, August, and November. <sup>7</sup> Adjusted into account (a) value added by merchandising operations (that is, difference between the sales value and cost of goods sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process between beginning and end of year. <sup>8</sup> Includes extensive and unmeasurable duplication from shipments in the same industry classification. <sup>9</sup> Includes plants under construction and not yet in operation. <sup>10</sup> Includes data obtained from Federal administrative records.

Source: Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972, 1977, and 1982*; and *Annual Survey of*

NO. 1242. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1985

[Data based on various editions of the Standard Industrial Classification Manual, published by the Office of Management and Budget; see text, section 27. See also Historical Statistics, Colonial Times to 1970, series P-58-67]

SIC <sup>1</sup> code	INDUSTRY GROUP	1977					1982					1985				
		Estab- lish- ments (num- ber)	All employees		Value added by manu- facture <sup>a</sup> (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture <sup>a</sup> (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Production workers		Value added by manu- facture <sup>a</sup> (mil. dol.)	Value of ship- ments (mil. dol.)
			Num- ber <sup>a</sup> (1,000)	Pay- roll (mil. dol.)			Num- ber <sup>a</sup> (1,000)	Payroll (mil. dol.)			Num- ber <sup>a</sup> (1,000)	Payroll (mil. dol.)	Num- ber <sup>a</sup> (1,000)	Wages (mil. dol.)		
(X)	All manufacturing establish- ments, incl. central admin- istrative offices .....	200,529	18,550	204,013	595,189	353,081	19,094	379,837	834,118	1,990,206	18,791	442,966	12,171	235,732	999,096	2,279,132
20	Food and kindred products .....	26,098	1,530	18,544	56,993	22,139	1,498	26,098	89,419	290,529	1,423	29,077	994	17,438	104,146	301,562
201	Meat products .....	4,534	309	3,702	7,476	3,623	318	4,983	11,002	67,602	303	4,882	253	3,705	12,959	67,138
202	Dairy products .....	3,731	154	1,939	5,648	2,724	140	2,553	8,360	38,771	139	2,876	83	1,595	9,629	41,075
203	Preserved fruits and vegetables .....	2,379	235	2,336	7,865	2,093	220	3,315	12,353	29,874	221	3,761	183	2,785	14,905	36,022
204	Grain mill products .....	3,043	113	1,576	6,626	2,745	108	2,197	10,333	31,366	99	2,401	67	1,572	12,956	34,044
205	Bakery products .....	3,386	222	2,865	7,073	2,863	217	4,051	10,650	17,808	209	4,476	118	2,290	12,995	20,834
206	Sugar and confectionary products .....	1,196	105	1,206	4,151	1,033	96	1,661	6,234	15,576	91	1,846	72	1,323	7,398	17,087
207	Fats and oils .....	869	41	561	1,905	724	39	774	2,785	16,752	34	753	23	461	2,774	17,505
208	Beverages .....	3,104	195	2,849	9,901	2,584	194	4,244	16,684	36,801	183	4,625	87	2,166	19,283	43,244
209	Misc. foods and kindred products .....	4,412	146	1,509	5,595	3,941	158	2,300	10,017	23,959	144	2,436	107	1,532	11,237	25,613
21	Tobacco products .....	228	61	761	4,334	163	58	1,334	8,965	16,081	46	1,399	36	941	11,894	18,507
211	Cigarettes .....	14	39	568	3,803	14	42	1,094	8,098	12,127	36	1,131	27	800	10,541	14,897
212	Cigars .....	101	8	55	126	60	5	59	133	254	4	50	3	35	137	244
213	Chewing and smoking tobacco .....	36	3	32	169	29	3	52	421	885	3	62	2	37	641	947
214	Tobacco stemming and redrying .....	76	11	96	217	60	8	120	313	3,015	7	127	5	69	575	2,420
22	Textile mill products .....	7,202	876	7,981	16,106	6,830	717	9,046	18,560	47,515	658	9,967	995	7,909	56,993	83,377
221	Weaving mills, cotton .....	314	117	1,047	1,945	289	77	865	1,638	3,972	62	924	56	792	1,767	4,025
222	Weaving mills, manmade fiber .....	449	151	1,429	2,791	523	141	1,815	3,489	8,191	115	1,832	100	1,454	3,542	8,402
223	Weaving, finishing mills, wool .....	165	15	137	313	131	13	176	349	763	13	204	11	155	462	933
224	Narrow fabric mills .....	335	21	172	351	261	18	218	465	852	17	242	14	174	580	962
225	Knitting mills .....	2,617	236	1,911	3,863	2,334	205	2,327	4,965	10,956	193	2,633	165	1,961	5,244	11,783
226	Textile finishing, except wool .....	678	72	734	1,417	753	58	634	1,590	4,972	52	667	43	651	1,756	5,601
227	Floor covering mills .....	592	56	557	1,530	505	42	603	1,712	5,808	49	827	36	560	2,276	8,061
228	Yarn and thread mills .....	798	141	1,184	2,255	714	108	1,278	2,318	7,036	104	1,467	94	1,207	2,749	8,019
229	Misc. textile goods .....	1,254	66	706	1,641	1,120	56	633	2,005	4,935	54	951	44	667	2,346	5,491
20	Apparel, other textile products .....	26,505	1,324	9,899	19,671	24,391	1,189	12,129	26,061	56,993	1,909	12,471	994	9,003	27,726	56,993
231	Men's and boys' suits and coats .....	737	99	822	1,574	529	75	876	1,863	3,062	65	863	57	668	1,860	3,321
232	Men's and boys' furnishings .....	3,013	386	2,340	4,936	2,544	299	2,637	6,821	12,727	272	2,943	236	2,241	7,251	13,570
233	Women's and misses' outerwear .....	11,834	448	3,153	6,430	10,838	419	4,110	8,576	18,225	355	3,865	303	2,662	8,265	17,489
234	Women's, children's undergarments .....	678	92	613	1,250	755	62	783	1,722	3,323	73	826	63	596	1,759	3,490

See footnotes at end of table.

Manufactures

SIC code	INDUSTRY GROUP	1977				1982				1988					
		All employees		Value added by manu- facture (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Production workers		Value added by manu- facture (mil. dol.)	Value of ship- ments (mil. dol.)
		Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)	Num- ber (1,000)	Wages (mil. dol.)		
236	Apparel, other textile prod- ucts—Con.	408	106	188	419	18	157	285	522	14	167	12	118	297	505
237	Hats, caps, and millinery	1,002	459	976	969	71	671	1,446	2,711	60	846	51	464	1,470	2,741
238	Children's outerwear	620	52	113	504	3	60	132	419	3	46	2	31	108	384
239	Fur goods	1,264	408	845	1,223	60	513	1,098	2,116	43	471	36	266	1,037	2,069
240	Misc. apparel and accessories	6,726	1,707	3,459	6,811	174	2,120	4,498	10,281	175	2,639	143	1,898	5,841	12,351
241	Misc. fabricated textile products	37,302	7,425	14,223	32,984	979	8,446	16,377	42,899	613	10,487	514	7,838	21,096	54,186
242	Lumber and wood products	15,469	1,009	2,419	11,666	81	1,206	2,302	6,274	70	1,200	65	1,033	2,944	6,519
243	Logging camps, log contractors	9,000	2,226	4,975	7,403	156	2,308	3,748	11,132	166	2,788	145	2,358	5,397	14,477
244	Sawmills and planing mills	8,148	2,216	4,701	6,546	166	2,596	4,480	11,663	196	3,593	162	2,618	6,812	16,707
245	Milwork, plywood, and structural members	1,949	300	640	2,250	36	391	703	1,836	38	450	27	319	841	1,979
246	Wood containers	1,165	868	1,789	1,183	60	860	1,741	4,965	63	1,086	48	709	2,167	5,361
247	Wood buildings and mobile homes	3,570	813	1,800	3,965	77	1,064	2,223	5,256	80	1,269	65	900	2,806	6,568
248	Misc. wood products	16,236	4,446	8,223	19,068	436	6,094	12,629	34,139	672	7,768	398	5,346	16,479	31,394
250	Furniture and fixtures	6,161	2,666	6,213	6,475	263	3,182	6,455	12,778	272	3,660	230	2,830	7,827	16,898
251	Household furniture	523	543	1,236	700	59	1,061	2,477	4,160	68	1,447	50	940	3,031	6,038
252	Office furniture	420	214	416	413	19	295	579	1,109	21	370	16	233	728	1,418
253	Public building, related furniture	2,134	875	1,311	2,148	90	1,026	2,060	3,710	68	1,318	52	872	2,034	4,809
254	Partitions and fixtures	987	347	747	1,367	36	561	1,239	2,390	43	760	32	471	1,959	3,198
255	Misc. furniture and fixtures	8,545	6,643	22,171	8,391	606	12,948	33,376	79,896	694	16,351	462	10,793	60,367	83,414
260	Paper and allied products	45	293	908	43	17	469	1,114	3,110	16	556	12	413	1,132	3,228
261	Pulp mills	359	2,167	6,407	298	129	3,431	8,954	20,995	132	4,239	102	3,182	11,074	24,980
262	Papermills, except building paper	249	1,176	3,081	222	96	1,502	3,740	9,531	54	1,638	41	1,241	4,300	10,494
263	Paperboard mills	2,884	2,608	7,263	3,008	213	3,981	12,014	26,701	211	4,969	161	3,148	14,832	31,845
264	Misc. converted paper products	2,800	2,602	6,299	2,781	186	3,517	7,396	19,182	186	4,106	143	2,726	6,628	22,937
265	Paperboard containers and boxes	58	97	218	20	4	71	156	396	4	83	3	73	220	470
266	Building paper and board mills	49,797	14,065	31,960	63,466	1,282	22,787	64,423	85,787	1,386	28,199	748	13,364	73,864	111,888
270	Printing and publishing	9,657	4,306	8,519	9,846	402	6,565	16,275	21,276	411	7,906	151	2,829	23,426	27,915
271	Newspapers	2,984	1,020	3,763	3,328	84	1,886	8,811	11,478	96	2,566	16	272	6,878	15,946
272	Periodicals	2,694	1,379	4,291	2,611	112	2,090	6,721	10,132	114	2,599	90	696	9,161	13,116
273	Books	2,362	603	1,291	2,057	45	706	1,958	2,871	52	1,047	17	239	3,295	4,437
274	Misc. publishing	26,615	4,702	8,561	29,785	462	6,067	15,758	27,700	462	10,057	306	6,892	20,320	36,197
275	Commercial printing	795	575	1,482	810	50	534	2,491	5,069	54	1,200	39	795	3,470	6,899
276	Mail-order business forms	166	327	666	164	21	344	1,349	1,894	20	308	11	167	1,896	2,665
277	Greeting card publishing	1,482	579	1,149	1,487	81	803	1,984	2,823	61	1,074	48	736	2,313	3,364
278	Blankbooks and bookbinding	3,582	736	1,268	4,176	56	1,102	2,017	2,594	60	1,376	44	627	2,527	3,354

See footnotes at end of table.

No. 1242. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1985—Continued

[See headnote, p. 702]

SIC <sup>1</sup> code	INDUSTRY GROUP	1977				1982				1985				
		All employees		Estab- lish- ments (num- ber)	Value added by manu- facture <sup>a</sup> (mil. dol.)	All employees		Value added by manu- facture <sup>a</sup> (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Value added by manu- facture <sup>a</sup> (mil. dol.)	Value of ship- ments (mil. dol.)	
		Num- ber <sup>a</sup> (1,000)	Pay- roll (mil. dol.)			Num- ber <sup>a</sup> (1,000)	Pay- roll (mil. dol.)			Num- ber <sup>a</sup> (1,000)	Pay- roll (mil. dol.)			Num- ber <sup>a</sup> (1,000)
28	Chemicals and allied products	12,172	13,839	11,991	96,731	11,991	873	20,836	77,316	179,737	476	11,963	96,389	197,311
281	Industrial inorganic chemicals	1,262	1,847	1,365	6,487	1,365	106	2,795	8,828	17,260	56	1,622	11,085	20,280
282	Plastics materials, synthetic	551	2,471	608	7,843	608	141	3,451	9,402	28,428	87	2,350	12,196	23,534
283	Drugs	1,243	2,480	1,351	9,940	1,351	188	3,995	18,981	24,995	79	1,738	22,716	31,332
284	Soap, cleaners, toilet goods	2,328	1,036	2,378	9,407	2,378	127	2,581	15,282	26,031	123	1,456	17,346	28,525
285	Paints and allied products	1,579	883	1,441	2,821	1,441	54	1,158	3,953	9,182	26	597	5,169	11,362
286	Industrial organic chemicals	879	2,794	960	12,876	960	144	4,005	12,341	36,157	73	2,210	14,672	41,768
287	Agricultural chemicals	1,325	764	1,127	3,909	1,127	51	1,156	5,097	14,853	28	699	5,126	14,765
289	Misc. chemical products	2,786	1,076	2,733	3,639	2,733	52	1,725	6,433	12,350	50	1,055	6,744	14,519
29	Petroleum and coal products	2,399	2,718	2,332	19,379	2,332	192	4,399	22,999	398,919	84	2,394	17,112	179,136
291	Petroleum refining	349	2,055	438	14,434	438	108	3,366	19,247	199,267	66	1,954	13,680	167,502
295	Paving and roofing materials	1,257	481	1,307	1,272	1,307	30	839	1,743	5,946	21	462	2,181	7,467
299	Misc. petroleum and coal products	590	180	592	692	592	14	312	1,078	3,614	13	148	1,272	4,148
30	Rubber and miscellaneous	11,943	8,586	13,448	19,749	13,448	882	11,897	37,218	58,416	578	9,794	35,798	71,294
301	Plastics products	200	1,632	184	4,347	184	70	1,734	4,890	9,340	56	1,546	5,300	10,434
302	Tires and inner tubes	84	188	85	272	85	18	197	300	708	12	118	316	647
303	Rubber plastics footwear	21	12	25	25	25	1	11	23	46	1	10	27	52
304	Reclaimed rubber	146	457	162	974	162	25	803	1,089	1,846	17	339	1,255	2,311
305	Rubber and plastics hoses, belting	1,280	1,164	1,360	2,352	1,360	89	1,561	3,213	6,366	71	1,254	4,066	8,118
306	Fabricated rubber products, n.e.c.	10,212	4,912	11,653	11,770	11,653	479	7,591	17,306	37,013	434	8,530	24,740	48,781
307	Misc. plastics products	343	1,869	2,726	3,719	2,726	299	2,219	4,773	8,719	135	1,242	4,196	8,597
31	Leather and leather products	465	255	364	635	364	20	311	690	1,753	12	189	509	1,843
311	Leather tanning and finishing	180	65	181	109	181	7	81	135	368	5	46	111	277
313	Boot, shoe out stock, findings	611	1,032	751	2,070	751	121	1,250	2,808	5,299	76	771	2,357	4,448
314	Footwear, except rubber	101	34	86	66	86	4	37	73	178	3	26	66	178
315	Leather gloves and millers	288	164	282	329	282	16	184	433	789	10	105	372	725
316	Luggage	678	242	636	472	636	25	271	564	1,035	15	153	509	849
317	Handbags and other personal leather goods	532	89	416	137	416	7	76	190	527	5	54	184	349
319	Leather goods, n.e.c.													

See footnotes at end of table.

SIC code	INDUSTRY GROUP	1977				1982				1985					
		All employees		Value added by manu- facture (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture (mil. dol.)	Value of ship- ments (mil. dol.)	All employees		Production workers		Value added by manu- facture (mil. dol.)	Value of ship- ments (mil. dol.)
		Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)	Num- ber (1,000)	Wages (mil. dol.)		
28	Stone, clay, and glass products	17,744	7,943	18,185	18,848	682	19,887	22,908	48,181	880	11,478	484	8,188	28,842	58,864
281	Flint glass	62	401	501	66	15	414	847	1,085	15	501	12	403	1,240	2,152
282	Glass, pressed or blown	508	1,548	3,982	459	87	2,082	4,482	7,941	80	1,958	88	1,584	4,424	7,808
283	Products of purchased glass	1,101	680	980	1,337	41	688	1,484	3,542	45	844	53	591	1,095	3,864
284	Cement, hydraulic	201	485	1,872	237	25	628	1,816	3,542	21	645	18	457	2,221	4,222
285	Structural clay products	711	466	1,058	828	30	481	999	1,858	36	888	28	489	1,485	2,854
286	Pottery and related products	984	480	884	910	37	588	1,174	1,782	34	851	27	487	1,300	1,975
287	Concrete, gypsum, plaster products	10,844	2,357	5,391	9,853	167	2,966	8,033	14,947	173	3,632	133	2,505	9,128	19,475
288	Cut stone and stone products	993	132	238	711	11	156	285	555	11	200	9	149	353	874
289	Misc. nonmetallic mineral products	2,390	1,835	4,385	2,281	108	2,078	5,238	9,854	107	2,408	78	1,581	8,717	12,127
29	Primary metal industries	7,378	18,746	37,868	7,081	884	20,888	33,381	104,867	742	19,864	671	14,277	38,882	110,891
291	Blas furnace and basic steel prod- ucts	1,216	10,088	18,318	1,088	388	10,282	14,722	48,728	278	8,467	213	8,238	18,188	48,138
292	Iron and steel foundries	1,485	3,329	6,337	1,438	187	3,113	5,382	9,842	138	3,378	108	2,528	5,973	10,818
293	Primary nonferrous metals	160	1,032	3,619	161	44	1,307	2,311	11,321	36	1,185	28	853	1,591	9,788
294	Secondary nonferrous metals	480	270	789	458	18	402	820	4,852	16	371	12	228	783	4,315
295	Nonferrous rolling and drawing	1,082	177	5,082	1,022	187	3,036	8,822	25,463	164	4,068	122	2,784	8,718	28,708
296	Nonferrous foundries	1,982	1,044	1,989	1,907	75	1,385	2,488	4,808	83	1,785	67	1,298	3,187	8,130
298	Misc. primary metal products	1,180	345	783	1,007	28	488	888	2,085	29	623	21	408	1,584	2,613
34	Fabricated metal products	38,712	21,888	48,812	36,888	1,488	38,385	88,888	118,444	1,478	38,188	1,184	21,877	88,188	128,888
341	Metal cans, shipping containers	587	1,247	3,844	588	58	1,533	4,443	12,172	52	1,578	43	1,234	4,077	12,887
342	Cutlery, handtools, hardware	2,137	2,179	5,177	2,238	141	2,585	8,041	10,082	146	3,286	111	2,230	7,909	12,742
343	Plumbing and heating, exc. electric	1,018	637	1,574	1,177	48	821	2,033	4,038	48	877	35	816	2,587	4,874
344	Fabricated structural metal products	11,817	5,482	11,785	12,081	422	7,887	15,488	34,804	381	8,183	281	8,103	16,322	38,884
345	Screw machine products, bolts, etc.	2,827	1,414	2,884	2,880	94	1,727	3,308	5,894	87	2,100	78	1,434	4,482	7,743
346	Metal forgings, stampings	3,715	4,511	8,913	4,019	236	5,110	9,710	20,057	288	7,148	218	5,273	13,319	28,084
347	Metal services, n.e.c.	5,085	1,009	1,983	5,070	87	1,818	2,887	5,126	112	1,887	90	1,329	3,844	6,888
348	Ordnance and accessories, n.e.c.	348	882	1,737	348	79	1,780	3,442	4,883	62	2,138	53	1,188	4,838	8,548
349	Misc. fabricated metal products	6,373	3,588	7,888	6,770	284	6,312	11,888	22,274	278	5,788	200	3,888	12,538	23,708
35	Machinery, exc. electrical	48,888	30,888	87,223	52,812	2,188	48,811	103,278	187,888	1,981	88,888	1,287	28,811	118,234	218,888
351	Engines and turbines	315	2,238	4,880	341	112	2,888	6,088	18,040	88	3,123	84	1,888	7,288	14,841
352	Farm and garden machinery	2,158	2,187	5,488	2,078	114	2,388	8,148	13,108	88	2,048	82	1,243	5,834	11,851
353	Construction and related machinery	3,228	5,087	11,838	3,882	328	7,332	16,488	32,038	238	8,877	143	3,287	13,087	27,888
354	Metallworking machinery	10,830	4,514	8,747	10,881	283	8,088	11,288	18,150	284	8,003	181	4,288	12,827	19,882
355	Special industry machinery	4,880	2,616	5,271	4,228	183	3,748	7,415	13,128	188	4,127	87	2,088	8,283	14,778
356	General industrial machinery	4,947	4,451	9,873	4,881	314	8,483	13,587	24,458	288	8,888	173	3,873	14,388	25,347
357	Office and computing machines	1,317	3,948	9,881	2,188	404	8,437	23,388	43,028	407	12,081	188	3,188	27,331	62,221
358	Refrigeration, service machinery	2,114	2,516	5,883	1,837	172	3,344	8,121	18,480	183	4,238	128	2,816	8,838	20,880
359	Misc. machinery, except electrical	18,388	2,980	5,382	22,247	282	6,238	9,808	14,497	284	8,187	222	4,300	11,751	17,857

See footnotes at end of table.



## No. 1242. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1985—Continued

[See footnote, p. 702]

SIC code	INDUSTRY GROUP	1977				1982				1985				Value of ship-ments (mil. dol.)		
		Estab-lish-ments (num-ber)	All employees		Value added by manu-facture (mil. dol.)	Estab-lish-ments (num-ber)	All employees		Value added by manu-facture (mil. dol.)	Value of ship-ments (mil. dol.)	All employees	Production workers			Value added by manu-facture (mil. dol.)	
			Num-ber (1,000)	Pay-rol (mil. dol.)			Num-ber (1,000)	Pay-rol (mil. dol.)				Num-ber (1,000)	Pay-rol (mil. dol.)			Num-ber (1,000)
26	Electric and electronic equip-ment	14,973	1,723	22,344	80,396	16,463	1,919	38,414	84,806	147,844	2,007	48,804	1,239	23,889	108,862	162,732
361	Electric distributing equipment	947	115	1,431	3,336	942	105	1,395	4,584	8,108	93	2,086	66	1,236	4,947	6,895
362	Electrical industrial apparatus	1,846	196	2,543	5,614	1,980	191	3,708	7,919	13,825	179	4,055	119	2,268	8,746	16,764
363	Household appliances	685	162	1,886	5,276	680	129	2,223	5,776	12,844	124	2,579	97	1,820	7,396	16,239
364	Electric lighting and wiring equipment	2,009	165	1,925	4,741	1,963	159	2,718	6,619	12,046	184	3,362	123	2,178	8,925	15,875
365	Radio and TV receiving equipment	1,280	86	1,087	3,078	1,032	86	1,154	3,200	7,833	99	1,316	43	827	3,546	10,785
366	Communication equipment	2,365	459	6,966	14,130	2,721	501	13,979	28,299	46,428	672	19,180	333	7,472	46,467	66,369
367	Electronic components, accessories	4,455	374	4,557	9,280	5,455	518	8,770	21,214	34,517	558	12,852	345	5,808	26,368	42,921
369	Misc. electrical equipment, supplies	1,575	152	2,086	4,850	1,700	147	2,860	6,994	12,544	157	3,835	106	2,050	9,525	16,889
27	Transportation equipment	10,176	1,788	30,673	64,391	8,443	1,896	40,918	84,932	201,346	1,757	64,862	1,190	33,171	120,363	301,398
371	Motor vehicles and equipment	4,234	676	16,036	37,023	3,867	616	15,393	34,294	112,270	752	23,719	613	18,530	57,127	186,536
372	Aircraft and parts	1,173	431	7,621	14,732	1,471	539	14,718	29,402	52,027	528	17,167	286	8,076	35,788	86,056
373	Ship and boat building and repairing	2,786	220	2,840	4,861	2,568	205	4,326	7,508	13,326	175	4,103	135	2,827	7,207	12,854
374	Railroad equipment	201	56	889	1,863	200	35	790	1,462	3,457	28	762	19	476	1,266	2,736
375	Motorcycles, bicycles, parts	350	16	169	370	273	13	225	403	1,341	9	169	7	122	402	1,044
376	Guided missiles, space vehicles	109	120	2,427	4,422	105	146	4,481	9,857	14,386	218	7,849	84	2,418	17,108	24,737
379	Misc. transportation equipment	1,314	49	591	1,161	981	43	879	1,977	4,526	47	1,024	34	826	2,024	5,422
28	Instruments and related prod-ucts	7,491	689	7,530	18,782	8,048	834	12,863	32,672	51,788	904	14,896	348	8,893	49,378	81,809
381	Engineering, scientific instruments	786	42	594	1,267	771	43	669	2,101	3,046	47	1,074	29	545	2,581	3,934
382	Measuring and control devices	2,076	200	2,886	5,242	2,463	228	4,846	10,007	14,633	217	5,265	120	2,350	11,822	17,480
383	Optical instruments and lenses	645	30	421	897	636	60	1,026	2,306	3,767	63	1,337	27	498	3,180	4,947
384	Medical instruments and supplies	2,365	114	3,962	3,962	2,711	141	2,482	6,978	10,863	162	3,216	86	1,886	9,244	14,203
385	Optical goods	534	30	314	656	410	26	400	674	1,273	25	434	16	210	908	1,418
386	Photographic equip. and supplies	780	112	1,930	8,732	785	116	3,183	10,890	17,026	98	3,129	50	1,377	12,257	18,114
387	Watches, clocks, and watches	352	32	317	885	257	17	248	484	1,188	12	210	9	127	418	812
29	Misc. manufacturing	17,289	441	4,406	10,391	16,871	368	6,447	14,088	26,891	328	5,726	236	3,416	14,032	26,827
391	Jewelry, silverware, and plated ware	3,118	61	636	1,448	2,862	50	770	1,784	4,379	47	813	33	481	1,877	4,404
393	Musical instruments	460	25	253	468	462	18	258	495	916	12	203	9	136	407	725
394	Toys and sporting goods	2,810	119	1,112	3,000	2,570	96	1,389	4,810	8,258	74	1,223	55	735	3,875	7,586
395	Pens, office and art goods	887	32	331	888	1,028	32	485	1,263	2,372	26	469	20	282	1,143	2,144
396	Costume jewelry and notions	1,514	51	451	1,032	1,368	42	528	1,156	2,110	39	607	29	371	1,484	2,542
399	Misc. manufacture	6,280	162	1,823	3,465	7,565	142	2,317	4,751	8,890	129	2,411	89	1,421	5,246	9,127
(x)	Administrative and auxiliary	8,171	1,074	31,981	(x)	9,678	1,276	38,228	(x)	(x)	1,268	46,486	(x)	(x)	(x)	(x)

X. Not applicable. 2. Less than \$600,000. 3. Standard Industrial Classification Code, see text, section 27. 4. "All employees" represents the average of "production workers" plus all other employees for the period ended nearest the 15th of March. 5. See footnote 6, table 1241. 6. Manufacturing concerns often reported separately for central offices or subsidiaries which serve the manufacturing establishment of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Sources: U.S. Bureau of the Census, Census of Manufactures, 1977 and 1982, General Summary, MC77(1)-1 and MC82(1)-1, and Annual Survey of Manufactures.

**PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES,  
SELECTED INDUSTRIES: 1977 AND 1982**

(excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value of 1977 of \$4 billion or more. Industry codes and descriptions are based on the 1972 *Standard Industrial Classification* (SIC), see text, section 27. Determination of company affiliation of establishment is based on census of manufacturing available records. "Largest" companies are determined by each company's value added by manufacture in 1977. Industries in the "not elsewhere classified" category are omitted, regardless of their value added.

INDUSTRY	Year	Number of companies	Value added by manufacture <sup>1</sup> (mil. dol.)	Total value of shipments <sup>2</sup> (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE			
					4 largest	8 largest	20 largest	50 largest
refining	1977	192	14,424	91,689	30	53	81	94
	1982	282	19,247	199,357	28	48	76	93
cars and car bodies	1977	254	18,724	76,518	93	99	99+	99+
	1982	284	15,456	70,740	92	97	99	99+
rubber plants	1977	2,404	4,010	31,206	19	37	49	62
	1982	1,858	5,825	44,854	20	43	61	75
iron and steel mills	1977	395	15,332	41,998	45	65	84	95
	1982	211	11,783	36,824	42	64	82	95
computing equipment	1977	808	7,824	12,924	44	55	71	85
	1982	1,520	19,566	36,767	43	55	71	82
radio parts and accessories	1977	2,194	16,264	35,751	62	70	79	88
	1982	2,000	16,785	36,293	61	69	77	84
TV communications equipment	1977	1,673	9,936	14,866	20	33	57	73
	1982	2,063	21,178	33,032	22	35	57	73
	1977	151	8,134	14,834	59	81	99	99+
	1982	139	15,842	28,024	64	81	98	99+
rubber	1977	7,821	9,519	13,056	19	31	45	62
	1982	7,520	15,275	21,276	22	34	48	66
exc. building paper	1977	171	5,407	12,613	23	42	70	92
	1982	136	8,964	20,986	22	40	71	93
all printing, lithographic	1977	10,964	5,338	9,360	6	10	17	26
	1982	17,332	11,045	19,441	6	10	17	24
metal preparations	1977	655	8,214	11,458	24	43	73	91
	1982	584	13,484	18,998	26	42	68	90
	1977	1,516	3,176	13,786	19	26	43	60
	1982	853	4,089	18,738	16	27	48	66
electric equipment and supplies	1977	702	6,732	9,945	72	86	90	94
	1982	723	10,690	17,036	74	86	91	94
all canned soft drinks	1977	1,758	4,085	10,007	16	22	38	50
	1982	1,236	8,666	16,806	14	23	38	56
resins and resins	1977	221	4,143	10,818	22	37	60	87
	1982	263	4,746	15,769	22	38	64	89
telegraph apparatus	1977	208	4,192	7,858	(D)	69	84	98
	1982	259	7,121	13,394	76	83	92	97
electric and related products	1977	2,549	5,370	9,275	33	40	54	68
	1982	1,869	7,861	13,143	34	47	60	73
air conditioning and heating equipment	1977	731	4,499	9,636	41	51	67	82
	1982	730	8,049	12,390	34	46	65	80
	1977	8	3,803	6,377	(D)	(D)	(X)	(X)
	1982	8	8,096	12,127	(D)	(D)	(X)	(X)
air machinery	1977	807	5,744	12,629	47	59	75	86
	1982	817	5,478	11,658	42	52	69	81
	1977	2,860	3,763	6,057	22	35	52	67
	1982	3,143	6,911	11,478	20	31	48	64
aircraft and equipment	1977	1,868	4,854	10,282	46	61	70	78
	1982	1,787	5,201	10,743	53	62	69	77
aircraft	1977	644	4,527	8,557	40	56	74	90
	1982	596	7,131	10,183	34	49	71	88
wood planing mills, general	1977	6,966	4,453	10,867	17	23	36	49
	1982	5,810	3,238	10,065	17	23	34	46
iron tubes	1977	121	4,347	8,971	70	88	97	99+
	1982	108	4,690	9,340	68	86	96	99+
other detergents	1977	554	2,898	5,671	59	71	82	89
	1982	642	4,777	9,167	60	73	83	90
metal stampings	1977	485	4,855	9,739	65	70	77	84
	1982	566	4,114	8,777	61	68	74	82
papers, noncellulosic	1977	37	2,804	6,380	78	90	99	100
	1982	44	3,318	8,263	77	91	99	100
foundries <sup>3</sup>	1977	865	4,071	7,389	34	44	60	73
	1982	801	3,310	6,202	29	37	53	69
all printing, letterpress	1977	14,375	2,441	4,284	14	19	25	31
	1982	10,211	3,161	5,504	7	10	16	24
aircraft and space vehicles	1977	20	3,586	5,314	64	94	100	(X)
	1982	66	1,307	2,302	71	96	100	(X)

void disclosure. X Not applicable. <sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> See 1241. <sup>3</sup> See footnote 6, table 1241. <sup>4</sup> Value of production reported instead of value of shipments; for computing adjusted value added modified to include only changes in work-in-process inventories between 1 of year. <sup>5</sup> Includes foundries producing gray-iron castings for other plants of the same company. Figures do not reflect market shares in industry as such.

Source: Bureau of Economic Analysis, *Census of Manufactures, 1982, Concentration Ratios in Manufacturing*, MC82-SR-7.

## No. 1244. MANUFACTURES SUMMARY.

[Sum of State totals may not add to U.S. total]

1	STATE	1977				1982						
		Establish- ments, total <sup>1</sup>	All employees <sup>2</sup>		Value added by manu- facture <sup>3</sup> (mil. dol.)	Establish- ments, total <sup>1</sup>	All employees <sup>2</sup>		Production workers <sup>2</sup>		Value added by manu- facture <sup>3</sup> (mil. dol.)	Value of ship- ments <sup>3</sup> (mil. dol.)
			Num- ber <sup>2</sup> (1,000)	Payroll (mil. dol.)			Num- ber <sup>2</sup> (1,000)	Payroll (mil. dol.)	Num- ber <sup>2</sup> (1,000)	Wages (mil. dol.)		
1	U.S.	358,926	18,580	284,013	585,186	354,081	18,084	279,837	12,481	204,787	824,118	1,898,286
2	N.E.	25,737	1,381	17,803	35,588	25,688	1,445	27,803	918	13,874	68,213	108,938
3	ME	2,157	103	1,078	2,343	2,008	110	1,775	86	1,237	4,038	8,848
4	NH	1,825	95	1,029	2,175	1,981	107	1,792	75	1,055	4,004	7,638
5	VT	1,030	42	488	1,060	1,104	47	863	30	434	2,037	3,730
6	MA	11,133	614	7,619	16,348	11,017	643	12,353	311	6,001	28,204	48,204
7	RI	3,107	125	1,327	2,737	2,855	114	1,780	63	1,052	3,793	7,852
8	CT	6,485	412	5,852	10,934	6,883	424	9,080	245	4,095	16,373	28,888
9	M.A.	71,008	3,617	48,843	103,180	65,443	3,353	68,316	2,048	33,333	138,387	284,838
10	NY	36,578	1,510	20,876	48,888	32,861	1,419	29,156	836	13,270	62,807	121,488
11	NJ	15,886	778	10,924	22,853	15,126	754	15,845	440	7,207	31,856	70,420
12	PA	18,735	1,329	18,043	36,017	17,888	1,180	23,315	772	12,856	44,824	102,940
13	E.N.C.	88,237	4,974	76,808	180,224	87,378	4,337	92,400	2,884	52,083	184,767	448,788
14	OH	17,354	1,331	20,356	31,111	16,960	1,102	24,740	695	13,818	48,641	112,278
15	IN	8,061	706	10,439	22,718	7,980	585	12,559	408	7,821	25,747	63,332
16	IL	19,517	1,288	18,741	40,279	18,818	1,089	22,881	670	11,931	47,705	112,988
17	MI	15,827	1,116	20,054	37,586	15,156	884	22,223	584	12,506	38,118	82,988
18	WI	8,878	535	7,318	16,806	8,882	511	10,187	329	5,990	22,546	52,448
19	W.N.C.	24,321	1,287	17,388	40,886	23,940	1,272	25,430	809	13,662	68,413	168,543
20	MN	8,837	332	4,893	9,806	8,775	350	7,423	201	1,587	15,387	36,321
21	IA	3,783	240	3,383	6,884	3,588	213	4,403	140	2,648	12,078	31,387
22	MO	7,355	439	5,708	13,087	7,088	406	8,013	256	4,198	18,334	41,488
23	ND	571	14	162	473	587	15	246	10	141	862	2,485
24	SD	740	22	251	612	748	25	398	18	282	1,100	3,005
25	NE	1,885	88	1,075	2,867	1,828	91	1,824	64	1,015	4,446	15,143
26	KS	3,270	168	2,115	5,338	3,236	171	3,323	113	1,958	6,437	28,753
27	S.A.	47,882	2,823	33,584	72,308	48,885	2,930	45,588	2,081	28,381	112,888	288,428
28	DE	818	67	1,141	1,588	832	68	1,743	32	557	2,467	8,383
29	MD	3,837	243	3,420	7,118	3,883	234	4,888	146	2,551	10,134	21,282
30	DC	555	19	288	610	514	17	394	6	188	829	1,537
31	VA	5,518	386	6,442	10,882	5,588	391	6,648	287	4,182	17,258	38,803
32	WV	1,867	117	1,821	3,880	1,882	86	2,007	66	1,233	4,048	8,888
33	NC	8,954	785	7,518	18,231	10,131	799	11,717	688	7,297	28,482	64,176
34	SC	4,228	374	3,806	8,187	4,208	368	5,540	279	3,576	12,219	27,838
35	GA	8,823	485	5,125	12,548	8,534	503	7,908	388	4,884	19,182	48,056
36	FL	12,388	358	4,133	9,255	13,723	454	7,773	292	3,986	18,112	38,883
37	E.S.C.	18,187	1,338	14,808	38,214	18,573	1,241	20,132	924	13,083	48,814	118,888
38	KY	3,548	278	3,462	6,888	3,518	247	4,838	174	2,874	11,820	28,838
39	TN	6,487	480	5,218	11,888	6,417	488	7,378	338	4,803	17,823	40,777
40	AL	5,883	341	3,773	8,408	5,528	330	5,234	254	3,588	12,048	28,888
41	MS	3,288	218	2,082	5,618	3,128	202	2,881	158	1,978	7,825	18,488
42	W.S.C.	28,788	1,442	18,318	52,043	31,878	1,848	32,873	1,882	17,861	61,011	271,888
43	AR	3,588	197	1,832	4,882	3,313	180	2,824	148	1,832	7,755	18,747
44	LA	4,278	185	2,883	8,418	4,107	202	4,304	142	2,731	11,755	57,088
45	OK	3,618	184	2,051	4,882	4,188	197	4,010	121	1,143	8,143	18,888
46	TX	18,107	888	11,853	33,081	20,288	1,058	21,435	670	11,233	53,358	171,874
47	Mt.	13,808	481	5,882	13,821	14,884	558	10,883	342	5,888	28,134	68,887
48	MT	1,188	24	312	802	1,080	20	288	11	285	714	3,888
49	ID	1,485	52	625	1,430	1,404	48	865	34	545	2,077	5,378
50	WY	505	8	111	381	511	18	183	7	115	408	2,588
51	CO	3,948	153	2,125	4,472	3,888	192	3,883	110	1,877	8,057	17,883
52	NM	1,323	29	297	734	1,223	33	521	22	297	1,388	3,815
53	AZ	2,882	111	1,483	3,333	2,407	150	3,037	87	1,423	6,888	12,807
54	UT	1,748	88	867	1,974	1,882	83	1,538	54	837	3,888	8,888
55	NV	728	15	192	495	851	20	356	13	210	1,120	1,758
56	Pac.	88,188	2,288	31,838	71,348	81,483	2,818	63,734	1,843	28,834	118,848	288,288
57	WA	6,723	285	4,054	8,955	6,788	291	6,881	178	1,888	12,588	34,885
58	OR	5,718	202	3,888	6,138	5,658	185	3,783	130	2,334	7,973	17,887
59	CA	45,288	1,752	24,872	54,882	47,825	2,005	42,830	1,888	18,888	94,288	188,885
60	AK	428	11	188	504	445	13	270	10	197	788	2,588
61	HI	948	25	277	788	988	24	380	18	218	1,120	3,443

X Not applicable. <sup>1</sup> Includes central administrative offices and auxiliary units. <sup>2</sup> Includes employment and payroll at administrative offices and auxiliary units. <sup>3</sup> "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

ITE: 1977 TO 1985

U.S. and State figures were independently derived]

1985					Leading major industry groups ranked by value added by manufacture, 1982	
Payroll (mil. dol.)	Production workers <sup>a</sup> Number <sup>a</sup> (1,000)	Wages (mil. dol.)	Value added by manu- facture <sup>a</sup> (mil. dol.)	Value of ship- ments <sup>a</sup> (mil. dol.)		
442,854	12,174	236,712	989,328	2,278,051	Mech. exc. elec.; food; trans. equip.	1
33,482	877	15,847	88,342	188,230	(x)	2
2,539	82	1,384	4,671	9,778	Paper; leather; food	3
2,280	75	1,344	5,045	9,050	Machinery exc. elec., elec. equip., paper	4
980	29	483	1,740	3,574	Elec. equip; mach., exc. elec., fabricated metal	5
15,327	383	8,812	32,985	60,610	Machinery, exc. elec., elec. equip., instruments	6
2,031	79	1,197	4,289	8,238	Misc. mfg., fab. metal; elec. equip.	7
10,820	229	4,827	20,532	34,980	Trans. equip; mach., exc. elec., elec. equip.	8
74,589	1,872	35,281	161,388	324,890	(x)	9
32,455	747	14,051	73,383	138,217	Printing and publishing; instruments; elec. equip.	10
17,526	408	7,777	36,117	75,554	Chemicals; food; electrical equipment	11
24,808	717	13,453	51,858	110,319	Machinery, exc. elec., food; primary metal	12
110,081	2,748	53,626	234,834	543,416	(x)	13
29,558	728	17,011	64,157	145,482	Trans. equip. mach., exc. elec., fab. metal	14
14,581	412	9,186	33,461	78,854	Electrical equip., primary metal, trans. equip.	15
26,257	633	13,016	55,586	124,402	Machinery, exc. elec., food; elec. equipment	16
29,051	644	17,513	53,574	134,043	Trans. equip; mach. exc. elec.; fabricated metal	17
11,818	333	6,829	27,753	62,837	Machinery, exc. elec., food; paper	18
30,438	810	15,847	73,862	182,563	(x)	19
9,298	206	4,066	19,397	42,532	Machinery exc. elec., food; fabricated metal	20
4,603	131	2,707	13,388	32,237	Machinery, exc. elec., food; electrical equip.	21
9,785	283	5,235	21,754	54,872	Transportation equip., food; chemicals	22
285	9	151	736	2,482	Food; mach., exc. elec., printing and publishing	23
447	19	298	1,412	3,585	Food; mach., exc., elec. equip.	24
1,821	64	1,157	5,343	15,215	Food; machinery, exc. elec., chemicals	25
4,220	118	2,345	11,852	31,830	Transportation equip., food; printing and publishing	26
88,287	2,088	34,081	146,810	322,883	(x)	27
2,122	34	786	3,380	10,789	Chemicals; food; instruments	28
5,528	142	2,906	11,807	25,328	Electronic equip., food; chemicals	29
480	8	126	1,223	1,787	Printing and publishing; food; machinery, exc. electric	30
8,448	288	5,193	22,075	45,554	Tobacco; chemicals; food	31
1,988	60	1,238	4,748	10,803	Chemicals; primary metal; stone, clay, glass	32
14,481	903	8,784	39,143	81,985	Textiles; tobacco, electrical equipment	33
6,435	287	4,131	14,838	33,889	Textiles; chemicals; machinery, exc. elec.	34
10,247	388	6,233	26,972	63,057	Textiles; food; chemicals	35
9,882	298	4,812	21,728	49,891	Food; electrical equip., transportation equip.	36
23,864	841	15,888	62,170	148,373	(x)	37
5,380	178	3,357	15,515	38,404	Food; machinery, exc. elec., chemicals	38
8,883	344	5,503	22,224	50,611	Chemicals; food; machinery exc. elec.	39
6,234	258	4,278	15,303	36,635	Paper; chemicals; textiles	40
3,387	161	2,328	9,128	22,723	Transportation equip; food; electric equip.	41
34,317	888	18,438	85,252	271,238	(x)	42
3,339	150	2,283	8,349	21,840	Food; electronic equipment; paper	43
4,148	119	2,802	12,322	52,828	Chemicals; petroleum; food	44
4,107	107	2,213	9,388	25,025	Mach; exc. elec., fab. metal; rubber, plastic	45
22,722	590	11,341	55,213	171,543	Machinery, exc. elec., chemicals; food	46
13,338	361	8,870	29,448	65,943	(x)	47
423	15	288	867	3,510	Lumber food; petroleum and coal	48
1,043	37	649	2,538	6,821	Food; machinery, exc. elec. chemicals	49
180	6	112	467	2,311	Chemicals; mach. exc. elec. food	50
4,798	105	2,191	10,112	20,619	Machinery, exc. elec., instruments; food	51
833	22	380	1,835	4,074	Petroleum and coal; electric equipment; food	52
3,858	94	1,782	7,946	16,721	Elec. equip. machinery exc. elec., trans. equip.	53
2,017	58	1,048	4,848	10,941	Machinery, exc. elec., trans. equip; food	54
413	13	230	1,035	1,946	Food; printing and publishing; fabricated metals	55
83,488	1,911	30,242	137,742	294,837	(x)	56
7,315	188	3,888	14,819	40,458	Transportation equip., food; lumber	57
4,181	128	2,579	9,507	21,004	Lumber; food; instruments	58
51,377	1,193	23,801	111,386	227,086	Elec. equip; trans. equip., mach., exc. elec.	59
234	8	185	855	2,812	Food; petroleum and coal; lumber	60
401	16	229	1,195	3,477	Food; textiles, stone, clay, glass products	61

Non, see footnote 6, table 1241      <sup>a</sup> See footnote 7, table 1241S. Bureau of the Census, *Census of Manufactures, 1977 and 1982 and Annual Survey of Manufactures*.

## NO. 1245. FINANCES OF MANUFACTURING CORPORATIONS: 1970 TO 1986

[In billions of dollars. Beginning 1985, data exclude estimates for corporations with less than \$250,000 in assets at time of sample selection. Prior period includes estimates for corporations in this size category. See tables 685 and 985 for individual industry data]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Net sales	709	1,065	1,203	1,328	1,486	1,742	1,887	2,145	2,039	2,114	2,335	2,331	2,221
Net operating profit	50	77	97	107	122	135	129	144	105	125	159	138	125
Net profit													
Before taxes	48	80	105	115	133	154	145	158	108	129	166	137	129
After taxes	29	49	65	70	81	99	92	101	71	86	108	88	83
Cash dividends	15	20	23	27	29	32	35	40	41	42	45	46	44
Net income retained in business	14	29	42	44	52	66	58	61	30	44	63	42	37

Source: Through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census. *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year

## NO. 1246. CAPITAL IN MANUFACTURING ESTABLISHMENTS: 1975 TO 1986

[In billions of dollars, except percent. Minus sign (-) indicates decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1975	1980	1983	1984	1985	1986	1975	1980	1983	1984	1985	1986
Purchases of equipment and structures	58.5	75.3	64.4	78.4	84.3	80.2	65.1	86.8	63.6	75.1	83.9	78.6
Percent equipment	79.3	80.4	78.9	80.3	80.0	81.7	78.7	80.4	80.4	81.6	82.1	83.9
Depreciation (straight line) <sup>1</sup>	28.7	53.1	68.4	71.7	74.6	77.4	49.8	82.0	68.7	68.9	72.1	74.3
Percent equipment	76.7	76.7	78.2	78.6	76.7	78.6	76.6	76.9	79.6	60.0	60.4	60.8
Net investment <sup>2</sup>	9.7	22.2	4.9	4.6	9.7	2.8	15.3	24.9	4.9	5.1	11.7	4.5
Net stock, end of year <sup>1</sup>	529.1	944.6	1,080.5	1,132.5	1,147.8	1,158.0	579.1	1,034.0	1,046.8	1,074.2	1,079.5	1,080.2
Equipment and structures	351.3	633.9	764.7	789.0	812.2	835.4	597.2	707.2	737.5	744.2	757.3	783.2
Percent equipment	64.4	67.0	67.2	68.7	68.7	68.7	64.0	67.4	68.0	68.3	68.7	68.2
Inventories	177.8	310.7	315.9	343.4	335.6	323.6	281.9	326.8	309.3	330.0	322.2	317.0

<sup>1</sup> Depreciation and net stock estimates are derived using the perpetual inventory method and the straight-line depreciation formula. <sup>2</sup> Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82* and *Survey of Current Business*, August 1987.

## NO. 1247. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS: 1950 TO 1986

[In billions of dollars, except ratio. See also *Historical Statistics, Colonial Times to 1870*, series P 74-82]

YEAR	Shipments, total	Inventories, total (Dec. 31) <sup>1</sup>	Ratio of inventories to shipments <sup>2</sup>	New orders, total	Unfilled orders, total (Dec. 31)	YEAR	Shipments, total	Inventories, total (Dec. 31) <sup>1</sup>	Ratio of inventories to shipments <sup>2</sup>	New orders, total	Unfilled orders, total (Dec. 31)
1950	224	32	1.41	242	41	1970	634	101	1.91	625	106
1951	261	39	1.78	287	67	1971	671	102	1.88	672	107
1952	270	42	1.71	279	76	1972	756	108	1.56	770	129
1953	298	44	1.90	283	80	1973	875	124	1.63	813	158
1954	280	42	1.71	288	48	1974	1,018	159	1.56	1,047	187
1955	318	45	1.63	330	80	1975	1,099	180	1.77	1,023	171
1956	333	51	1.74	340	88	1976	1,186	175	1.66	1,180	180
1957	345	52	1.90	331	83	1977	1,358	186	1.56	1,380	202
1958	327	50	1.75	324	47	1978	1,523	209	1.55	1,579	257
1959	363	53	1.68	369	52	1979	1,727	239	1.81	1,768	289
1960	371	54	1.79	363	45	1980	1,853	282	1.81	1,874	320
1961	371	56	1.67	373	47	1981	2,018	280	1.74	2,013	316
1962	400	58	1.78	401	48	1982	1,980	307	1.91	1,938	303
1963	421	60	1.66	488	53	1983	2,055	308	1.62	2,067	335
1964	448	63	1.62	480	65	1984	2,254	330	1.76	2,281	381
1965	492	66	1.59	506	79	1985	2,279	322	1.72	2,286	370
1966	536	76	1.70	567	87	1986	2,273	314	1.68	2,274	370
1967	558	84	1.71	586	104						
1968	603	90	1.78	606	110						
1969	642	96	1.81	647	116						

<sup>1</sup> Beginning in 1982 inventories are stated at current cost and are not comparable to the book value estimates for prior years.

<sup>2</sup> Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1979-1986*, series M3-1.85, and monthly reports.

D. 1249. VALUE OF MANUFACTURES SHIPMENTS AND INVENTORIES—SELECTED INDUSTRIES:  
1979 TO 1986[In billions of dollars. See *Historical Statistics, Colonial Times to 1970*, series P 74-79]

INDUSTRY	1979	1980	1981	1982	1983	1984	1985	1986
<b>Shipments, total</b>	<b>1,727.2</b>	<b>1,852.7</b>	<b>2,017.5</b>	<b>1,880.2</b>	<b>2,054.9</b>	<b>2,254.4</b>	<b>2,279.1</b>	<b>2,273.3</b>
<b>Durable goods industries <sup>1</sup></b>	<b>912.7</b>	<b>935.6</b>	<b>1,006.5</b>	<b>953.2</b>	<b>1,019.5</b>	<b>1,109.5</b>	<b>1,187.3</b>	<b>1,201.7</b>
Stone, clay, and glass products	46.0	46.1	48.0	45.2	46.7	53.4	55.1	56.8
Primary metals	137.4	133.9	141.9	104.7	106.5	119.1	110.3	101.7
Fabricated metal products	113.6	116.2	123.7	119.4	122.1	135.9	139.6	135.0
Machinery exc. electrical <sup>2</sup>	186.5	180.7	201.5	187.9	179.0	210.4	215.1	205.6
Engines and turbines	13.2	13.7	15.3	13.0	12.2	15.5	14.9	14.8
Construction mining and material handling equipment	31.5	33.6	39.0	32.0	24.6	27.1	27.7	26.6
Office and computing machines	26.6	32.4	37.8	43.0	48.2	59.7	62.2	58.2
Electrical machinery <sup>2</sup>	118.0	128.6	140.2	147.9	159.2	187.6	182.7	205.9
Elec. transmission and distribution	20.0	21.3	23.4	21.9	21.5	24.7	24.7	25.4
Household appliances	12.7	12.9	13.1	12.6	14.5	16.3	16.2	17.1
Radio and TV	8.1	8.5	8.8	7.8	8.9	9.9	10.8	12.9
Communication equipment	30.3	36.0	40.3	46.4	49.9	56.7	65.4	69.7
Electronic components	22.7	27.6	30.4	34.5	37.2	48.0	42.9	44.0
Transportation equipment <sup>2</sup>	201.8	188.5	205.2	201.3	244.1	281.2	301.4	314.1
Motor vehicles and parts	131.4	104.6	117.0	112.3	147.3	179.3	188.5	194.7
Aircraft, missiles, and parts	46.3	58.5	64.8	65.4	74.6	79.8	90.8	99.0
Instruments and related products <sup>2</sup>	37.7	44.1	49.3	51.6	53.6	58.4	61.0	60.9
Scientific and engineering equipment	21.6	25.6	28.7	32.3	33.6	39.3	40.6	40.6
Photographic goods	13.4	15.9	16.9	17.0	17.4	18.7	18.1	16.0
<b>Nondurable goods industries <sup>1</sup></b>	<b>814.5</b>	<b>922.1</b>	<b>1,011.1</b>	<b>1,008.0</b>	<b>1,035.4</b>	<b>1,086.0</b>	<b>1,082.0</b>	<b>1,071.6</b>
Food and kindred products <sup>2</sup>	236.0	256.2	272.1	280.5	287.1	300.0	301.6	314.5
Beverages	29.3	33.0	36.1	38.6	40.2	41.2	43.2	43.9
Tobacco products	10.6	12.2	13.1	16.1	18.3	17.4	18.5	16.0
Textile mill products	45.1	47.3	50.3	47.5	53.4	55.5	53.3	54.6
Paper and allied products <sup>2</sup>	65.2	72.8	80.2	79.9	84.6	94.8	93.4	103.8
Paper, pulp, paperboard mill products	28.0	31.8	35.1	34.0	36.1	41.4	39.2	44.0
Paperboard containers	16.0	17.2	19.0	19.2	20.5	22.8	22.7	22.4
Chemicals and allied products <sup>2</sup>	147.7	162.5	180.5	170.7	183.2	198.2	197.3	198.3
Industrial inorganic chemicals	52.3	57.3	62.7	53.2	56.8	61.5	59.5	56.5
Drugs, soaps, toiletries	36.7	41.9	46.9	50.7	54.4	57.5	60.6	66.2
Petroleum and coal products	148.4	196.7	224.1	208.9	182.6	189.0	179.1	129.3
Rubber and plastics products	46.6	47.3	53.2	55.4	60.3	66.6	71.3	72.2
<b>Inventories, total (Dec. 31)</b>	<b>239.1</b>	<b>261.7</b>	<b>278.5</b>	<b>307.2</b>	<b>308.0</b>	<b>329.8</b>	<b>322.3</b>	<b>313.7</b>
<b>Durable goods industries <sup>2</sup></b>	<b>159.6</b>	<b>172.2</b>	<b>183.8</b>	<b>187.0</b>	<b>186.6</b>	<b>214.3</b>	<b>209.8</b>	<b>204.0</b>
Stone, clay, and glass products	5.4	5.6	6.3	6.7	6.9	7.1	7.0	6.9
Primary metals	22.6	23.1	25.7	23.9	22.0	21.9	19.4	17.1
Fabricated metal products	18.8	19.2	19.9	21.1	21.6	22.6	21.9	20.9
Machinery exc. electrical <sup>1</sup>	36.8	40.3	43.0	47.2	43.9	47.4	44.6	40.6
Engines and turbines	2.6	2.6	2.8	3.3	2.9	3.0	2.6	2.7
Construction mining and material handling equipment	6.1	9.2	9.9	11.9	9.9	9.1	7.7	6.8
Office and computing machines	6.6	8.4	9.2	10.0	10.5	13.2	11.9	9.6
Electrical machinery <sup>2</sup>	22.8	25.4	27.6	30.0	31.4	37.6	37.5	38.1
Elec. transmission and distribution	4.0	4.1	4.6	4.9	4.7	5.3	5.0	4.7
Household appliances	1.8	1.8	2.0	2.3	2.4	2.7	2.5	2.6
Radio and TV	1.2	1.3	1.4	1.1	1.1	1.4	1.3	1.8
Communication equipment	7.3	8.8	9.9	10.6	11.6	14.7	15.6	16.1
Electronic components	4.4	5.4	5.7	6.4	6.6	8.0	7.6	7.7
Transportation equipment <sup>2</sup>	31.1	35.3	37.0	42.3	43.5	49.5	51.0	51.5
Motor vehicles and parts	10.7	9.6	8.9	8.5	10.1	11.6	11.7	11.1
Aircraft, missiles, and parts	16.4	21.7	24.1	29.7	29.6	34.4	35.9	35.8
Instruments and related products <sup>2</sup>	7.7	8.8	9.4	10.9	11.2	12.2	12.4	12.2
Scientific and engineering equipment	5.2	6.0	6.4	7.7	7.9	8.9	9.1	9.0
Photographic goods	1.9	2.2	2.4	2.6	2.6	2.7	2.7	2.7
<b>Nondurable goods industries <sup>2</sup></b>	<b>80.5</b>	<b>89.5</b>	<b>95.8</b>	<b>110.2</b>	<b>111.4</b>	<b>115.1</b>	<b>112.4</b>	<b>109.7</b>
Food and kindred products <sup>2</sup>	20.6	22.4	22.1	23.6	24.1	24.4	24.0	24.0
Beverages	3.6	3.8	3.9	4.4	4.3	4.4	4.6	4.7
Tobacco products	3.6	3.9	4.6	7.2	7.2	6.9	6.2	5.9
Textile mill products	6.0	6.5	6.7	6.6	7.3	7.5	7.0	6.4
Paper and allied products <sup>2</sup>	6.8	7.7	8.5	8.9	9.2	10.1	9.9	10.4
Paper pulp paperboard mill products	2.4	2.9	3.2	3.5	3.4	3.8	3.6	4.1
Paperboard containers	1.9	1.9	2.3	2.3	2.5	2.7	2.5	2.6
Chemicals and allied products <sup>2</sup>	17.3	19.6	22.0	23.6	24.4	26.6	25.1	27.0
Industrial inorganic chemicals	5.4	6.5	7.3	7.9	7.7	8.0	7.5	8.2
Drugs, soaps, toiletries	5.4	5.9	6.4	6.7	7.0	7.5	7.7	8.4
Petroleum and coal products	7.7	9.9	10.6	17.2	15.1	14.3	13.6	9.6
Rubber and plastics products	6.0	6.0	6.5	7.2	7.4	8.2	8.4	8.5

licable Standard Industrial Classification. <sup>2</sup> Includes industries not shown separately.<sup>1</sup> Bureau of the Census, *Current Industrial Reports, Manufactures' Shipments, Inventories, and Orders: 1979-1986*, 6 and monthly reports.



## NO. 1249. INDUSTRIAL PRODUCTION INDEXES, BY INDUSTRY: 1970 TO 1986

[1977 = 100. Based on 1977 Standard Industrial Classification Manual; see text, section 6. See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 16-30]

SIC code	MAJOR INDUSTRY GROUP	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986
(x)	Industrial production	79	86	93	107	111	109	111	103	109	121	124	125
(x)	Manufacturing	77	83	92	107	112	109	111	102	110	122	126	129
(x)	Durable goods	78	83	91	108	114	109	111	100	108	124	127	129
24	Lumber and products	81	81	92	102	102	93	90	83	100	109	113	123
25	Furniture and fixtures	75	80	88	109	112	109	110	105	116	134	140	147
32	Clay, glass, and stone products	76	83	93	109	111	102	99	89	99	113	116	120
33	Primary metals	95	88	98	107	109	90	95	88	73	82	81	76
34	Fabricated metal products	82	83	92	106	109	102	102	87	89	103	107	107
35	Nonelectrical machinery	73	85	88	112	123	123	130	116	116	142	145	142
36	Electrical machinery	69	77	87	113	126	130	134	128	144	171	180	167
37	Transportation equipment	75	81	92	106	108	97	95	88	99	112	121	126
38	Instruments	60	81	89	112	118	122	126	125	123	137	139	141
(x)	Nondurable goods	76	85	93	108	109	107	110	106	114	122	125	131
20	Food	82	90	98	104	107	111	114	115	120	127	130	134
21	Tobacco products	82	100	105	105	105	106	109	105	101	100	100	98
22	Textile mill products	81	85	94	103	104	101	98	89	101	104	103	113
26	Paper and products	81	85	95	107	111	111	112	108	120	127	128	136
27	Printing and publishing	82	84	91	106	113	115	119	120	130	147	154	163
28	Chemicals and products	67	83	93	107	111	106	113	104	114	122	127	133
29	Petroleum products	80	87	93	103	102	94	89	84	84	87	87	82
30	Rubber and plastic products	56	73	85	108	115	108	116	110	124	144	147	153
31	Leather and products	117	102	102	102	95	93	93	82	82	77	69	61
(x)	Mining	86	97	97	104	108	112	116	109	103	111	109	109
(x)	Utilities	81	84	87	103	106	107	108	106	105	111	112	119

X Not applicable. <sup>1</sup> Standard Industrial Classifications.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

## NO. 1250. INDEX OF MANUFACTURING CAPACITY AND RELATION OF OUTPUT TO CAPACITY: 1950 TO 1987

[1977 output = 100. Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1987, which the current stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups.]

YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)			YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)		
		All manufacturing	Primary processing	Advanced processing			All manufacturing	Primary processing	Advanced processing
1960	40	83	69	80	1976	127	64	66	83
1961	60	80	80	81	1977	132	85	87	84
1962	73	80	91	89	1978	137	79	79	80
1963	97	79	81	78	1979	141	78	76	78
1964	101	77	80	76	1980	145	70	66	72
1965	104	69	66	81	1981	149	74	74	74
1966	108	87	91	85	1982	153	81	82	80
1967	112	89	86	82	1983	154	80	82	79
1968	116	72	72	73	1984	158	80	84	78
1969	119	77	79	77	1985	160	80	85	76
1970	123	81	83	81	1986	161	80	85	76
					1987 1st qtr				
					2d qtr				

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization in Manufacturing, Mining, Utilities, and Industrial Materials*, G.S., monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, NY; and other sources.)

## NO. 1251. LARGE MANUFACTURING COMPANIES—ADEQUACY OF CAPITAL FACILITIES: 1970 TO 1986

[Percent distribution. As of July. Number of companies weighted by company assets. Based on replies to the question, "In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now: inadequate, sufficient, or more than adequate?" as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets.]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1970	26	80	12	1979	20	69	11
1971	16	71	13	1980	12	57	31
1972	45	63	2	1981	9	51	40
1973	57	40	3	1982	8	46	47
1974	19	43	38	1983	8	45	47
1975	18	65	17	1984	8	58	37
1976	20	66	14	1985	10	52	38
1977	20	62	18	1986	8	57	35

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing* (qtrly).

## 52. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES, BY INDUSTRY: 1960 TO 1966

in millions of dollars. Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations*. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. Excludes: Authorizations by management to spend funds for new plant and equipment; expenditures: Cost of new plant and equipment.

INDUSTRY	APPROPRIATIONS					EXPENDITURES				
	1960	1963	1964	1965	1966	1960	1963	1964	1965	1966
all industries	104,931	98,180	119,088	107,142	97,887	96,209	78,719	90,308	99,599	93,936
beverages	8,603	5,909	8,993	8,127	7,966	8,014	5,428	5,374	6,552	7,214
alcohol products	3,578	3,231	5,936	3,289	4,048	3,859	3,357	3,842	4,001	4,418
and allied products	12,170	10,002	11,831	11,479	11,572	10,918	9,340	11,211	10,819	11,981
and coal products	32,875	25,718	25,458	24,688	13,884	22,228	20,441	21,832	21,863	14,321
iron and steel	2,889	2,113	2,125	2,001	1,826	3,458	2,136	1,884	2,591	1,726
machinery and equip-										
except electrical	8,544	8,899	11,987	8,254	9,270	6,271	6,864	10,100	9,075	10,450
except electrical	9,398	7,908	10,854	11,408	7,818	9,826	7,788	8,846	10,215	6,872
and equipment	7,110	5,807	18,686	11,711	8,470	5,555	4,007	6,881	10,435	12,137
transportation equipment	4,201	3,801	6,056	8,200	5,269	4,039	3,179	4,336	5,133	6,146
and photo equip-										
products	3,114	3,814	4,859	4,015	3,989	2,899	3,145	4,202	3,763	3,363
products	902	965	1,818	4,306	1,486	801	889	1,218	3,531	2,593
manufacturing	15,279	10,442	12,652	11,703	13,787	12,351	9,059	10,770	11,791	12,635

The Conference Board, New York, NY, *Quarterly Survey of Capital Appropriations*. (Copyright.)

## NO. 1253. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1960 TO 1966

Exports—exports from 15 major trading countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom. Percenta are calculated from the 15 exports of the five commodity groups from each of the 15 countries. Percentage shares are based on dollar values of all current exchange rates. Details are reported according to Revision 2 of the United Nations Standard International Classification (SITC).

COMMODITY CATEGORY	TOTAL (bil. dol.)						PERCENT OF WORLD EXPORTS					
	1960	1962	1963	1964	1965	1966	1960	1962	1963	1964	1965	1966
all manufactures	147.2	144.1	139.4	145.2	159.7	155.1	18.8	17.8	17.8	17.9	18.7	14.1
except machinery	57.1	61.1	55.3	63.0	62.7	64.0	21.4	23.8	22.2	22.8	21.4	16.3
equipment	28.9	28.0	28.4	30.0	35.2	35.4	18.3	17.4	17.8	17.3	18.7	15.7
products	20.8	20.1	19.9	22.8	21.5	22.4	17.8	18.1	18.3	18.5	17.9	15.5
products	23.3	18.2	18.1	18.4	15.0	15.2	10.1	9.8	8.9	8.7	7.9	8.8
products	17.0	16.8	15.6	16.2	16.3	16.0	16.0	16.9	15.8	15.6	14.6	11.8

all manufactures exports. Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition. Excludes manufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished goods. Includes mainly nondurable consumer goods and professional and scientific instruments.

U.S. Dept. of Commerce, International Trade Administration, *Business America*, biweekly; and *Market Share Reports*.

## FOREIGN DIRECT INVESTMENT POSITION IN THE U.S. FOR MANUFACTURING: 1960 AND 1966

(in millions of dollars)

AREA OR COUNTRY	TOTAL <sup>1</sup>		FOOD PRODUCTS		CHEMICALS AND ALLIED PRODUCTS		PRIMARY AND FABRICATED METALS		MACHINERY	
	1960	1966	1960	1966	1960	1966	1960	1966	1960	1966
all countries	32,863	55,057	4,896	11,864	10,439	22,980	3,578	7,795	5,999	10,933
Canada	5,227	5,399	(D)	192	119	268	801	2,280	1,173	1,601
Germany	21,953	55,077	2,088	11,249	8,163	20,715	2,194	3,048	4,483	7,840
Japan	388	580	(Z)	(D)	185	439	157	(D)	6	-33
United Kingdom	2,291	5,989	111	369	833	3,091	555	684	81	215
France	50	73	(D)	(D)	(D)	1	5	(D)	14	20
Italy	85	47	(D)	(D)	-	-	(D)	(D)	2	3
Sweden	4,777	14,712	225	4,851	2,002	4,583	170	462	1,094	1,988
Netherlands	8,159	14,999	1,098	2,918	2,301	5,415	524	801	1,097	1,748
Belgium-Luxembourg	994	2,421	1	1	67	211	148	519	613	1,323
Austria	3,118	7,750	586	(D)	1,154	2,130	284	(D)	681	811
Switzerland	3,875	7,936	43	39	1,815	4,772	333	186	832	1,732
Denmark	1,033	3,017	98	155	224	289	78	552	318	873
Norway	87	1,111	4	142	5	11	44	502	-2	10
New Zealand and South Africa	4,571	3,007	101	48	1,829	1,674	412	1,280	1,027	-345
Other countries	83	82	(D)	(D)	1	-1	(D)	(D)	(Z)	8
Asia and Pacific	38	385	(D)	(D)	(Z)	35	(D)	(D)	-8	47

in zero. D Withheld to avoid disclosure of data of individual companies. Z Less than \$500,000. (D) Data not available. (Z) Zero. (D) Data not available. (Z) Less than \$500,000. (D) Data not available. (Z) Zero.

Bureau of Economic Analysis, *Survey of Current Business*, October 1964 and August 1967 issues.

NO. 1255. EMPLOYMENT RELATED TO MANUFACTURED EXPORTS BY INDUSTRY: 1977 TO 1984

[Total employment related to manufactured exports is the sum of employment directly calculated for the plants shipping the exported product, the supplying industries and service organizations and the central administrative offices and auxiliaries. For manufacturing industries, employment is limited to paid employees in manufacturing plants, while for nonmanufacturing it includes an estimate for working proprietors and partners]

INDUSTRY	1977			1980			1983			1984		
	Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports	
		Num-ber (1,000)	Percent of civilian employment		Num-ber (1,000)	Percent of civilian employment		Num-ber (1,000)	Percent of civilian employment		Num-ber (1,000)	Percent of civilian employment
U.S.....	90,308	3,258	3.6	100,280	4,808	4.8	105,831	3,982	3.7	108,057	4,087	3.8
Manufacturing .....	19,590	1,990	10.2	20,647	2,639	12.8	18,737	2,173	11.6	19,141	2,179	11.4
Nonmfg.....	69,779	1,268	1.8	79,613	2,170	2.7	87,094	1,789	2.1	88,918	1,918	2.2
Trade.....	16,653	489	2.9	19,737	845	4.3	21,059	816	3.9	21,501	875	4.1
Business serv.....	16,750	215	1.3	17,245	575	3.3	19,515	178	.9	20,105	198	1.0
Transp. <sup>1</sup> .....	4,797	185	3.9	6,369	305	4.8	5,697	237	4.2	5,986	258	4.3
Agriculture.....	3,044	129	4.2	3,225	144	4.5	3,697	121	3.2	3,578	122	3.4
Mining.....	747	34	4.6	947	69	7.3	1,071	43	4.0	1,027	46	4.5
Other.....	27,788	216	.8	32,080	233	.7	36,055	394	1.1	36,743	420	1.1

<sup>1</sup> Includes communications and utilities.  
Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

NO. 1256. EXPORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, 1963 TO 1984, AND BY INDUSTRY, 1984

[The export-related employment data shown do not include the jobs involved in the export of nonmanufactured goods and various services sold to foreign buyers. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced, that is, they exclude imports. See source for further details on methodology]

SIC <sup>1</sup> code	INDUSTRY GROUP	MANUFACTURER'S SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
		Total <sup>2</sup> (bil. dol.)	Export related			Export related as percent of shipments	Total <sup>3</sup> (1,000)	Export related			Export related as percent of total employment
			Total (bil. dol.)	Direct ex-ports <sup>4</sup> (bil. dol.)	Supporting ex-ports <sup>5</sup> (bil. dol.)			Total <sup>3</sup> (1,000)	Direct ex-ports <sup>4</sup> (1,000)	Supporting ex-ports <sup>5</sup> (1,000)	
(x)	1963.....	420.5	16.5			3.9	16,958	(NA)			(NA)
(x)	1972.....	756.5	36.7			4.9	19,027	770			4.0
(x)	1977.....	1,358.4	142.4	85.8	56.8	10.4	19,590	1,990	1,108	854	.2
(x)	1980.....	1,852.7	249.6	151.2	98.6	13.5	20,647	2,639	1,486	1,153	12.8
(x)	1981.....	2,017.5	271.7	164.3	107.4	13.4	20,264	2,604	1,486	1,118	12.9
(x)	1963.....	2,055.3	246.4	141.6	104.8	12.0	18,737	2,173	1,118	1,056	11.6
(x)	1984, total <sup>6</sup> .....	2,253.8	268.3	151.0	117.3	11.9	19,141	2,179	1,083	1,083	11.4
20	Food and kindred products .....	300.0	14.5	10.7	3.8	4.8	1,437	53	36	15	3.7
21	Tobacco products.....	17.4	2.5	2.2	.3	14.6	52	11	10	1	20.3
22	Textile mill products.....	55.4	4.1	1.7	2.4	7.4	711	48	17	31	6.8
23	Apparel, other textile products.....	57.6	1.7	1.1	.6	3.0	1,152	23	12	10	2.0
24	Lumber and wood products.....	54.7	4.5	2.4	2.2	8.3	643	42	18	24	6.6
25	Furniture and fixtures.....	30.0	.8	.5	.3	2.7	474	12	7	5	2.4
26	Paper and allied products.....	94.8	10.1	3.8	6.3	10.6	613	59	18	41	9.7
27	Printing and publishing.....	103.5	4.3	1.3	3.1	4.2	1,325	51	11	40	3.9
28	Chemical and allied products.....	198.3	32.9	20.1	12.8	16.6	845	128	60	48	15.1
29	Petroleum and coal products.....	189.0	14.8	3.9	10.9	7.6	137	10	4	6	7.2
30	Rubber, misc. plastics products.....	69.5	8.1	2.8	5.3	11.7	732	81	25	57	11.1
31	Leather, leather products.....	9.3	.6	.5	.1	6.8	170	6	5	1	3.5
32	Stone, clay, glass products.....	53.4	3.9	1.7	2.2	7.2	533	39	17	22	7.3
33	Primary metal industries.....	119.1	23.3	4.0	19.3	19.5	805	154	23	131	19.1
34	Fabricated metal products.....	135.9	15.8	6.0	9.8	11.6	1,482	174	62	112	11.8
35	Machinery, except electric.....	210.4	45.2	32.2	12.9	21.5	2,052	406	275	133	19.9
36	Electric, electronic equipment.....	188.0	34.2	17.4	16.8	18.2	2,033	381	182	198	18.7
37	Transportation equipment.....	280.2	35.8	29.4	6.4	12.8	1,709	218	179	39	12.8
38	Instruments and related prod-ucts.....	59.4	9.1	7.9	1.3	15.4	612	98	84	15	16.0
39	Misc. manufacturing.....	27.8	2.0	1.6	.5	7.4	355	23	17	7	6.5

NA Not available. <sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> Includes total domestic and export shipments for all manufacturing establishments. <sup>3</sup> Includes only the value of manufactured products exported by the producing plants. <sup>4</sup> Includes shipments of components, parts, supplies, etc., used by plants producing the export products. <sup>5</sup> Includes employees of central administrative offices and auxiliaries. <sup>6</sup> Employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry and by States, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value. <sup>7</sup> Manufacturing employment at establishment producing components, parts, supplies, etc. for use by plants producing for export. <sup>8</sup> Includes administrative and auxiliary units, not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1972, and 1977*; and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

**PORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS,  
BY STATE: 1984**

File 1256. For composition of regions, see fig. 1, inside front cover. Includes employees of central administrative and auxiliary offices]

STATE, DC	MANUFACTURED SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
	Total (bil. dol.)	Export related			Export related as percent of ship- ments	Total (1,000)	Export related			Export related as percent of total employ- ment
		Total (bil. dol.)	Direct exports (bil. dol.)	Support- ing exports (bil. dol.)			Total (1,000)	Direct exports (1,000)	Support- ing exports (1,000)	
AL	2,263.8	268.3	151.0	117.3	11.9	19,141	2,179	1,063	1,086	11.4
AK	448.5	54.8	31.2	24.1	12.2	4,067	552	267	286	11.8
AR	717.2	81.0	44.9	36.0	11.3	5,546	645	300	346	11.8
AS	735.7	83.1	44.1	38.9	11.4	5,819	580	273	267	9.6
AZ	352.5	49.4	31.0	18.4	14.0	3,112	423	244	177	13.0
CA	134.6	18.0	11.2	7.1	14.6	1,486	186	109	83	13.4
CO	9.9	1.2	.7	.5	12.2	108	11	6	5	10.3
CT	8.8	1.1	.6	.6	12.9	114	14	6	8	11.9
DE	3.8	.6	.3	.3	16.2	44	7	3	3	15.2
FL	58.6	8.8	5.5	3.3	15.0	657	91	48	43	13.8
GA	8.5	.9	.5	.5	11.1	114	12	6	7	10.6
HI	34.9	5.4	3.6	1.9	15.6	418	60	34	27	14.4
IA	324.0	36.8	20.0	17.0	11.4	3,211	357	184	193	11.1
ID	133.9	18.0	9.6	8.2	11.9	1,347	151	78	73	11.2
IL	77.7	8.0	4.3	3.8	10.3	738	79	32	47	10.6
IN	112.4	12.8	5.9	7.0	11.4	1,126	127	54	73	11.3
KS	836.4	62.6	33.6	29.0	11.7	4,236	506	234	289	11.8
KY	141.6	17.4	9.0	8.4	12.3	1,126	144	66	78	12.8
LA	78.9	9.4	4.4	4.9	12.2	809	72	32	40	11.8
MA	126.8	13.3	6.4	6.9	10.8	1,068	117	55	70	11.0
MD	130.1	18.7	10.6	8.1	12.8	944	118	56	62	12.5
ME	62.0	5.9	3.1	2.7	9.3	501	54	24	30	10.7
MI	180.8	18.4	11.4	7.0	10.2	1,386	140	76	66	10.7
MO	42.8	5.3	3.1	2.1	12.4	373	47	23	25	12.7
MS	33.5	3.3	2.1	1.2	9.8	202	20	12	8	10.1
MN	52.7	5.4	3.4	2.0	10.2	415	43	24	20	10.4
MT	2.6	.3	.2	.1	11.2	14	2	1	1	11.4
NE	3.5	.2	.2	.1	7.0	27	2	1	1	6.7
NH	15.1	1.3	.8	.5	8.7	82	9	5	4	10.0
NJ	30.8	2.6	1.6	1.0	8.6	186	17	10	7	9.2
NM	311.8	32.8	18.8	14.9	11.1	3,011	276	130	166	9.1
NY	9.8	1.1	.7	.4	11.7	69	9	3	6	12.6
NC	23.6	2.3	1.1	1.2	9.9	229	24	12	12	10.7
ND	1.7	.1	(2)	(2)	4.2	15	1	(2)	1	3.9
OH	43.9	4.8	2.9	1.9	10.9	406	37	18	18	9.0
OK	10.8	1.9	.9	1.0	17.2	87	11	6	7	13.1
OR	78.8	8.5	4.8	3.7	10.8	626	69	31	38	8.3
PA	34.0	4.0	1.9	2.1	11.7	385	34	14	20	9.4
RI	61.6	5.1	2.7	2.4	8.2	542	42	20	22	7.7
SC	47.8	6.0	3.6	2.2	12.5	468	46	26	22	10.2
SD	145.6	15.6	8.0	7.6	10.7	1,277	114	54	69	8.9
TN	37.4	4.1	2.1	2.0	10.9	252	26	12	14	10.3
TX	49.5	5.0	2.7	2.3	10.1	477	42	21	21	8.7
UT	36.3	4.2	2.0	2.2	11.6	341	31	14	17	9.1
VA	22.4	2.2	1.2	1.0	10.0	207	15	7	8	7.0
VT	278.3	32.8	17.3	16.5	12.1	1,531	171	89	81	11.2
WA	22.9	2.4	1.3	1.1	10.5	200	16	7	9	8.1
WI	56.0	7.0	3.5	3.5	12.7	182	19	9	9	10.2
WY	24.5	2.9	1.2	1.1	9.3	174	19	11	8	11.0
DC	175.9	22.1	11.3	10.8	12.6	975	117	62	55	12.0
AL	65.8	6.3	4.5	3.7	12.7	576	76	42	33	13.2
AK	3.8	.3	.1	.3	8.4	22	1	(2)	1	8.3
AR	6.2	.7	.4	.2	10.7	50	5	3	2	9.7
AS	2.4	.2	(2)	.1	6.3	9	1	(2)	(2)	5.8
AZ	21.3	2.6	1.9	.9	13.1	191	27	17	10	14.0
CA	3.9	.3	.1	.2	6.4	31	3	2	1	9.9
CO	15.9	2.5	1.2	1.3	15.8	161	26	13	13	15.9
CT	10.3	1.3	.7	.8	12.6	83	11	6	5	12.1
DE	1.8	.2	.1	.1	10.3	19	2	1	1	10.5
FL	286.8	41.1	28.6	14.7	14.3	2,636	347	202	144	13.7
GA	38.6	8.6	6.0	1.7	22.4	277	48	11	12	17.2
HI	21.0	2.7	1.6	1.1	12.9	191	25	15	10	13.0
ID	221.5	28.8	17.1	11.7	13.0	2,036	271	149	122	13.3
IL	2.4	.6	.6	.1	27.2	9	2	2	(2)	28.7
IN	3.4	.4	.3	.1	12.1	23	1	(2)	(2)	3.1

\$0 million or fewer than 500.

Source: The Census, Annual Survey of Manufactures, Origin of Exports of Manufactured Products MA(AS)-6.

## No. 1258. DOMESTIC IMPORTS OF MANUFACTURED PRODUCTS: 1970 TO 1986

[Import data for 1974-81 are valued on a f.a.s. basis. Data for 1970-73 and 1982-86 are valued on a customs basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (-) indicates decrease.]

SIC <sup>1</sup> code	PRODUCT	1986		GROWTH RATE <sup>2</sup> (percent)			IMPORT PENETRATION RATIO <sup>3</sup> (percent)			
		Value (mil. dol.)	Per- cent distribu- tion	1970- 1986	1980- 1986	1986- 1988	1972	1977	1982	1986
(X)	Manufacturing.....	300,123	100.0	18.3	13.0	11.2	6.1	7.6	6.5	11.7
(X)	Nondurables.....	84,526	27.3	13.1	8.8	.5	4.7	5.4	5.8	7.7
20	Food and kindred products.....	12,521	4.1	6.2	3.1	(X)	3.9	3.8	3.8	4.3
21	Tobacco manufactures.....	82	(X)	10.5	-2.0	5.0	■	7	1.8	5
22	Textile mill products.....	4,225	1.4	9.0	13.0	14.3	5.6	4.2	5.4	7.7
23	Apparel and other mill products.....	16,171	5.9	18.0	18.6	16.7	7.0	10.3	14.3	22.4
26	Paper and allied products.....	6,236	2.7	10.9	7.2	7.0	5.6	6.3	6.1	7.1
27	Printing and publishing.....	1,226	.4	14.1	15.9	24.0	1.0	.9	.9	1.2
28	Chemicals and allied products.....	13,191	4.3	15.8	11.2	3.8	3.2	3.9	4.5	6.5
29	Petroleum and coal products.....	12,636	4.2	14.1	-7	-29.8	7.1	6.5	7.3	9.5
30	Rubber and plastics products.....	5,381	1.7	14.0	11.9	14.0	4.7	5.4	5.1	6.3
31	Leather and leather products.....	6,646	2.8	17.0	18.9	12.0	15.9	21.2	33.0	49.8
(X)	Durables.....	224,595	72.7	16.4	15.1	15.9	7.2	8.3	11.2	16.0
24	Lumber and wood products.....	5,374	1.7	11.2	8.7	5.3	6.4	9.3	8.2	10.5
25	Furniture and fixtures.....	3,997	1.3	19.9	24.3	24.1	2.6	3.6	5.3	8.2
32	Stone, clay, and glass products.....	4,910	1.6	14.8	13.8	14.3	3.7	4.0	5.3	7.6
33	Primary metal industries.....	18,336	6.9	10.3	2.6	3.4	8.9	10.0	14.7	18.6
34	Fabricated metal products.....	8,532	2.8	14.6	11.6	9.3	2.5	3.2	4.3	5.5
35	Machinery except electrical.....	35,744	11.8	16.7	16.1	22.3	5.4	6.3	8.4	13.9
36	Electrical and electronic equipment.....	42,190	13.6	18.8	18.1	12.3	7.6	10.4	12.4	17.0
37	Transportation equipment.....	82,091	26.6	17.3	17.8	21.2	8.6	10.2	15.4	18.4
38	Instruments and related products.....	10,845	3.4	18.1	14.8	20.9	6.7	9.2	10.1	13.7
39	Miscellaneous manufacturing industries.....	12,776	4.1	16.0	15.3	14.6	13.3	17.2	24.0	35.0

X Not applicable. Z Less than .05 percent. <sup>1</sup> Standard Industrial Classification. <sup>2</sup> 1970-86 and 1980-86 rates are compound annual growth rates. <sup>3</sup> Ratio of imports to new supply (product shipments plus imports).

## No. 1259. DOMESTIC IMPORTS FOR 25 LEADING 4-DIGIT SIC PRODUCT GROUPS: 1970 TO 1986

[See headline table 1258. N.e.c. = Not elsewhere classified]

1977 SIC <sup>1</sup> code	PRODUCT GROUP	1986		GROWTH RATE <sup>2</sup> (percent)			IMPORTS/SHIPMENTS RATIO <sup>3</sup> (percent)			
		Value (mil. dol.)	Per- cent distribu- tion	1970- 1986	1980- 1986	1986- 1988	1972	1977	1982	1986
3711	Motor vehicles and car bodies.....	59,303	18.2	17.8	18.7	24.2	19.6	14.7	26.7	27.6
3714	Motor vehicle parts and accessories.....	14,191	4.6	17.0	20.3	10.9	7.6	8.3	10.5	14.4
3579	Office machines and typewriters, etc.....	12,982	4.2	25.7	35.8	29.8	6.6	7.3	8.0	15.5
2911	Petroleum refining.....	12,739	4.1	14.0	-8	30.0	7.4	6.7	7.3	9.7
3651	Radio and television receiving sets.....	12,359	4.0	15.4	20.4	9.1	34.9	42.4	49.5	64.2
3312	Blast furnaces and steel mills.....	7,867	2.6	9.3	3.0	-16.6	9.8	10.6	17.3	17.5
3674	Semiconductors and related devices.....	6,495	2.1	25.7	12.6	4.9	11.5	21.4	28.2	29.1
3679	Electronic components, n.e.c.....	5,608	1.8	31.2	27.6	17.8	2.7	5.6	9.3	18.0
2399	Children's outerwear, n.e.c.....	5,601	1.8	17.5	21.9	17.4	16.3	16.6	20.2	36.2
2621	Papermills, except building paper.....	5,066	1.6	10.7	6.5	3.0	15.3	14.3	13.6	16.9
3861	Photographic equipment and supplies.....	4,099	1.3	19.7	15.8	25.6	6.2	9.5	12.3	17.9
2599	Furniture and fixtures, n.e.c.....	3,993	1.3	19.9	24.3	24.1	2.7	3.7	5.5	9.4
3662	Radio and TV communication equipment.....	3,890	1.3	21.1	11.6	16.1	3.2	8.7	8.2	6.6
3339	Lead and primary nonferrous metals, n.e.c.....	3,599	1.2	9.2	-5.6	-6.8	32.5	38.4	39.4	51.7
3915	Jewelers' mats and lapidary work.....	3,460	1.1	18.7	13.4	13.2	66.6	72.6	86.2	92.9
3589	General industrial machinery, n.e.c.....	3,182	1.0	21.3	17.4	21.8	4.0	6.2	9.3	13.2
2421	Sawmills and planing mills—general.....	3,123	1.0	12.1	6.4	1.7	16.1	16.9	15.2	19.2
3149	Footwear except rubber, n.e.c.....	3,016	1.0	35.1	19.0	24.5	31.5	62.2	62.6	92.2
3079	Miscellaneous plastics products.....	2,959	1.0	16.5	19.2	23.1	2.2	2.2	2.6	4.0
2321	Men's and boys' shirts and nightwear.....	2,948	1.0	18.6	13.3	14.8	10.7	15.7	22.5	29.8
3531	Construction machinery.....	2,907	.9	21.1	16.8	17.6	2.7	4.0	5.1	12.3
2331	Women's and misses' blouses.....	2,522	.8	19.1	21.7	21.1	4.2	7.2	12.5	21.7
2819	Industrial inorganic chemicals, n.e.c.....	2,382	.8	14.7	3.0	-9.0	6.5	12.3	13.6	18.9
3629	Measuring and controlling devices, n.e.c.....	2,371	.8	19.2	18.5	20.5	4.3	4.6	4.0	9.3
3661	Telephone and telegraph apparatus.....	2,294	.7	26.3	33.3	4.8	2.1	1.6	5.0	11.9
3729	Aircraft equipment, n.e.c.....	2,253	.7	15.5	18.2	26.9	6.8	4.2	9.0	7.9

<sup>1</sup> Standard Industrial Classification. <sup>2</sup> 1970-86 and 1980-86 rates are compound annual growth rates. <sup>3</sup> Ratio of imports to new supply (product shipments plus imports).

Source of tables 1258 and 1259: U.S. International Trade Administration, *Industrial Outlook*, annual.

## c. 1200. DOMESTIC EXPORTS OF MANUFACTURED PRODUCTS: 1970 TO 1986

on a f.a.s. basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (-) indicates decrease]

PRODUCT	1986		GROWTH RATE <sup>1</sup> (percent)			RATIO OF EXPORTS TO PRODUCT SHIPMENTS (percent)			
	Value (mil. dol.)	Per- cent distribu- tion	1970- 1986	1980- 1986	1985- 1986	1972	1977	1982	1986
Manufacturing.....	172,683	106.0	10.8	.8	2.0	6.6	7.4	8.1	7.9
Agriculture.....	51,580	30.0	10.9	.3	4.5	3.5	4.5	5.4	4.8
Kindred products.....	11,250	6.5	9.8	-1.2	11.9	2.9	4.1	4.3	3.8
Manufactures.....	1,480	.9	13.7	5.4	20.0	5.7	9.4	10.3	8.1
Food products.....	1,853	1.0	8.5	-6.8	13.1	2.9	4.3	4.9	3.8
And other mill products.....	1,178	.7	10.9	-5.0	18.9	1.2	2.2	2.4	1.8
Lumber products.....	4,479	2.6	9.1	-7	15.3	4.1	4.9	5.5	4.3
And publishing.....	1,298	.8	8.9	2.6	3.9	1.3	1.5	1.7	1.2
And allied products.....	22,562	13.1	11.6	7	3.5	7.6	9.7	12.5	11.8
And coal products.....	4,228	2.5	13.8	6.8	-22.2	1.9	1.4	3.2	3.1
And plastics products.....	2,941	1.7	11.8	1.6	8.4	3.1	4.0	4.8	3.9
And leather products.....	620	.3	14.0	.3	8.9	1.8	3.8	5.7	6.1
And other.....	120,412	70.0	10.5	.8	.9	7.4	10.0	13.0	10.8
And wood products.....	3,018	1.8	8.6	-3.3	13.1	4.1	5.8	7.2	5.3
And fixtures.....	466	.3	15.3	.5	3.5	.8	1.5	2.5	1.8
Textile, and glass products.....	1,723	1.0	8.8	-1.8	-3.8	2.4	3.4	4.3	3.4
Metal industries.....	3,585	2.1	2.9	-13.8	-6.1	2.8	3.0	5.0	3.7
Metal products.....	5,542	3.2	■	-3.3	-3.9	3.9	5.6	6.6	4.7
Electrical.....	36,358	21.1	10.1	-7	-3.0	14.9	19.5	23.3	20.1
And electronic equipment.....	20,415	11.9	13.3	3.7	8.0	6.7	10.6	12.7	10.1
Aircraft.....	37,977	22.1	11.5	4.4	-1	9.2	11.8	15.6	13.0
And related products.....	9,237	5.4	11.8	3.1	7.1	12.8	16.6	17.4	15.5
Nonferrous manufacturing industries.....	2,081	1.2	9.2	-5.3	17.3	7.8	8.4	9.5	8.1

1. Standard Industrial Classification. 2. See footnote 2, table 1258.

## DOMESTIC EXPORTS FOR 25-LEADING 4-DIGIT SIC PRODUCT GROUPS: 1970 TO 1986

[See heading, table 1200. N.E.C. - Not elsewhere classified]

PRODUCT GROUP	1986		GROWTH RATE <sup>1</sup> (percent)			EXPORT/SHIPMENTS RATIO (percent)			
	Value (mil. dol.)	Per- cent distribu- tion	1970- 1986	1980- 1986	1985- 1986	1972	1977	1982	1986
Computing equipment.....	14,443	8.4	16.6	11.8	4.7	21.9	25.8	25.8	27.6
Trucks and car bodies.....	9,757	5.7	11.8	8.1	-2	5.2	8.1	8.8	7.7
Trucks.....	8,888	5.2	9.8	-8	1.9	26.0	31.9	29.9	27.8
Auto parts and accessories.....	8,280	4.8	10.6	5.8	-11.0	11.3	11.8	16.5	14.9
Pulpment, n.e.c.....	6,111	3.6	14.9	9.4	9.5	26.3	33.7	40.8	32.1
Organic chemicals, n.e.c.....	4,878	2.8	12.6	1.6	7.9	10.2	10.3	16.4	16.1
Electronic and related devices.....	4,870	2.8	16.6	5.9	14.9	18.9	32.9	33.9	27.8
Refining.....	3,825	2.2	14.1	8.8	-24.1	1.7	1.2	9.1	3.0
Engines and engine parts.....	3,217	1.9	14.1	11.4	9.7	15.9	16.9	19.8	18.8
TV communication equipment.....	3,215	1.9	12.0	7.2	1.6	7.0	11.0	8.7	6.9
On machinery.....	2,988	1.7	4.3	-12.5	13.1	28.4	33.5	45.6	29.1
Materials and resins.....	2,905	1.6	12.3	.8	14.2	9.8	8.7	14.0	11.4
Inorganic chemicals, n.e.c.....	2,802	1.6	11.5	2.8	2.1	17.5	19.8	25.8	27.5
Machinery.....	2,509	1.5	14.0	-4.3	-19.6	45.2	42.8	53.9	64.7
Ing plants.....	2,418	1.4	13.7	6.5	21.1	2.8	5.3	5.1	6.1
Plastic products.....	2,353	1.4	12.3	4.0	9.5	3.5	4.1	4.7	3.8
Industrial machinery, n.e.c.....	2,311	1.3	9.1	-3	-9.5	21.4	34.0	24.6	23.3
Electronic equipment and supplies.....	2,232	1.3	10.6	-1.2	10.8	11.8	15.8	15.9	13.5
Components, n.e.c.....	2,210	1.3	14.7	6.4	16.2	10.4	12.8	12.7	9.7
Combustion engines, n.e.c.....	2,049	1.2	9.7	2.3	9.8	15.2	15.7	26.1	20.8
Fertilizers.....	1,862	1.1	15.9	7.2	-25.9	10.7	11.1	25.7	26.2
Drugs and intermediates.....	1,848	1.1	17.5	.8	3.5	13.1	18.1	19.6	21.1
Flowers and botanicals.....	1,815	1.1	12.2	7.8	23.9	43.0	46.5	34.4	43.8
Electricity.....	1,795	1.0	12.7	5.2	1.0	19.5	23.3	27.5	24.5
Oil.....	1,737	1.0	8.3	-1	21.7	33.4	37.5	40.9	39.3
Oil mills.....	1,468	.9	7.0	-6.9	22.4	20.7	21.7	25.1	16.3

1. Standard Industrial Classification. 2. See footnote 2, table 1258.

© 1980 and 1981: U.S. International Trade Administration, *Industrial Outlook*, annual.



## NO. 1262. BEVERAGE INDUSTRY—SUMMARY: 1970 TO 1985

YEAR AND ITEM	Unit	Total	Malt beverages	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bot-tled, canned)	Flavoring extracts, syrups
1970: Employees .....	1,000 .....	228	57	2	9	21	129	11
Payroll .....	ML. dol. ....	1,884	818	19	71	171	918	91
Value added by manufacture .....	ML. dol. ....	6,144	2,029	56	298	887	2,121	782
Value of shipments .....	ML. dol. ....	12,373	3,822	210	581	1,759	4,831	1,381
1980: Employees .....	1,000 .....	199	43	2	11	14	118	11
Payroll .....	ML. dol. ....	3,846	1,122	40	191	253	1,850	191
Value added by manufacture .....	ML. dol. ....	13,708	3,839	162	611	1,849	5,348	1,899
Value of shipments .....	ML. dol. ....	33,041	9,382	680	2,189	3,399	13,908	3,513
1982: Employees .....	1,000 .....	185	43	2	12	12	114	12
Payroll .....	ML. dol. ....	4,237	1,308	43	245	257	2,145	238
Value added by manufacture .....	ML. dol. ....	16,884	4,535	168	997	1,480	6,956	2,670
Value of shipments .....	ML. dol. ....	38,786	11,195	662	2,763	3,072	18,836	4,239
1984: Employees .....	1,000 .....	188	39	2	12	11	110	11
Payroll .....	ML. dol. ....	4,480	1,314	45	274	258	2,283	277
Value added by manufacture .....	ML. dol. ....	16,296	5,394	162	1,081	1,885	7,142	2,825
Value of shipments .....	ML. dol. ....	41,181	11,898	587	2,885	3,406	18,052	4,574
1985: Employees .....	1,000 .....	183	40	2	13	10	106	12
Payroll .....	ML. dol. ....	4,624	1,358	44	297	289	2,345	314
Value added by manufacture .....	ML. dol. ....	19,293	5,661	162	1,063	1,891	7,587	3,108
Value of shipments .....	ML. dol. ....	43,243	12,216	571	2,763	3,486	19,356	4,840

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures and Census of Manufactures, 1982*.

## NO. 1263. ALCOHOLIC BEVERAGES—SUMMARY: 1970 TO 1985

(For fiscal years ending in year shown: see text, section 8. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits.)

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Beer: Breweries operated .....	Number .....	154	117	86	88	92	82	92	96	103	103
Production .....	ML. bbl. <sup>1</sup> .....	135	158	184	193	195	194	198	193	194	194
Imports (incl. ale, etc.) <sup>2</sup> .....	ML. bbl. <sup>1</sup> .....	(NA)	1.7	4.1	4.6	5.2	5.8	6.3	7.2	(NA)	(NA)
Value of shipments (SIC 2082) <sup>3</sup> .....	ML. dol. ....	3,622	5,641	6,353	9,302	10,179	11,163	11,799	11,888	12,216	(NA)
Tax-paid withdrawals .....	ML. bbl. <sup>1</sup> .....	123	147	167	172	177	178	178	179	175	177
Stocks on hand, June 30 .....	ML. bbl. <sup>1</sup> .....	15	14	14	15	14	14	15	14	14	14
Per capita consumption <sup>4</sup> .....	Gallons .....	28.6	32.8	34.0	34.9	35.6	33.4	32.0	32.8	(NA)	(NA)
Of domestic output .....	Gallons .....	28.4	32.4	33.1	34.0	34.5	32.0	31.7	31.5	(NA)	(NA)
Distilled spirits:											
Production facilities operated .....	Number .....	140	116	135	143	114	121	121	112	117	117
Warehouses operated .....	Number .....	274	241	210	200	196	202	193	202	214	218
Production, total <sup>5</sup> .....	ML. tax gal. <sup>6</sup> .....	365	278	248	238	269	217	181	134	117	102
Whisky .....	ML. tax gal. <sup>6</sup> .....	180	50	104	87	90	98	80	77	65	54
Imports <sup>7</sup> .....	ML. tax gal. <sup>6</sup> .....	90.9	113.5	123.6	90.7	117.9	108.0	118.4	117.7	(NA)	(NA)
Tax-paid withdrawals, total <sup>8</sup> .....	ML. tax gal. <sup>6</sup> .....	256	295	318	330	321	312	306	301	306	286
Whisky .....	ML. tax gal. <sup>6</sup> .....	112	137	125	42	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Stocks on hand, June 30, total <sup>9</sup> .....	ML. tax gal. <sup>6</sup> .....	1,091	836	659	696	691	654	640	638	688	546
Whisky .....	ML. tax gal. <sup>6</sup> .....	980	780	586	586	544	540	523	490	467	446
Bottled for consumption, total <sup>10</sup> .....	ML. wine gal. <sup>11</sup> .....	312	357	379	382	388	375	377	388	371	328
Whisky .....	ML. wine gal. <sup>11</sup> .....	192	182	168	165	162	153	154	142	136	121
Per capita <sup>4</sup> .....	Wine gal. <sup>11</sup> .....	2.81	2.49	2.70	2.90	2.84	2.62	2.71	2.83	(NA)	(NA)
Of domestic output .....	Wine gal. <sup>11</sup> .....	1.81	1.75	1.96	2.00	2.02	1.80	1.79	1.80	(NA)	(NA)
Still wines: Production <sup>12</sup> .....	ML. wine gal. <sup>11</sup> .....	713	782	736	682	901	548	613	684	622	657
Imports <sup>7</sup> .....	ML. wine gal. <sup>11</sup> .....	22.1	40.3	61.0	90.7	101.1	107.5	58.6	58.8	(NA)	(NA)
Tax-paid withdrawals <sup>13</sup> .....	ML. wine gal. <sup>11</sup> .....	204	267	326	340	363	365	367	378	414	438
Stocks on hand, June 30 <sup>14</sup> .....	ML. wine gal. <sup>11</sup> .....	207	325	485	486	602	519	585	577	602	601
Per capita <sup>4</sup> .....	Wine gal. <sup>11</sup> .....	1.70	2.20	2.60	2.65	2.68	2.81	2.82	2.83	(NA)	(NA)
Of domestic output .....	Wine gal. <sup>11</sup> .....	1.52	1.98	2.02	2.02	2.02	2.14	2.10	2.08	(NA)	(NA)
Effervescent wines: <sup>15</sup>											
Production .....	ML. wine gal. <sup>11</sup> .....	20.0	18.0	24.4	26.8	31.2	30.6	38.6	34.8	32.0	31.6
Imports <sup>7</sup> .....	ML. wine gal. <sup>11</sup> .....	2.0	2.1	5.0	5.2	7.9	6.7	11.4	15.7	(NA)	(NA)
Tax-paid withdrawals .....	ML. wine gal. <sup>11</sup> .....	17.1	17.6	22.1	24.1	27.0	26.5	31.7	31.9	30.9	31.3
Stocks on hand, June 30 .....	ML. wine gal. <sup>11</sup> .....	6.1	9.0	12.1	11.9	14.4	17.6	21.5	20.5	21.2	17.1
Per capita <sup>4</sup> .....	Wine gal. <sup>11</sup> .....	.15	.13	.15	.17	.19	.22	.22	.21	(NA)	(NA)
Of domestic output .....	Wine gal. <sup>11</sup> .....	.13	.12	.12	.12	.14	.17	.17	.17	(NA)	(NA)

NA Not available. <sup>1</sup> Barrels of 31 wine gallons (see footnote 7). <sup>2</sup> Source: U.S. Bureau of the Census, *Imports for Consumption, General Imports*, FT 246. <sup>3</sup> Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982*, and *Annual Survey of Manufactures*. <sup>4</sup> Source: U.S. Dept. of Commerce, International Trade Administration. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. <sup>5</sup> Excludes alcohol produced for industrial use. <sup>6</sup> A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnote 8.) A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F, containing 50 percent of ethyl alcohol by volume. <sup>7</sup> Includes ethyl alcohol. <sup>8</sup> A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. <sup>9</sup> Production represents total amount removed from fermenters, including distilling material, and includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 356 million gallons of distilling materials were produced; 1977, 347 million gal.; 1978, 258 ml. gal.; 1979, 299 ml. gal.; 1980, 184 ml. gal.; 1981, 294 ml. gal.; 1982, 138 ml. gal.; 1983, 223 ml. gal.; 1984, 168 ml. gal.; 1985, 148 ml. gal.; and 1986, 148 ml. gal. <sup>10</sup> Includes special natural wines. <sup>11</sup> Excludes distilling materials. <sup>12</sup> Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

## No. 1264. FOOD MANUFACTURING INDUSTRY—SUMMARY: 1970 TO 1986

Manufacturers of food and kindred products (Standard Industrial Classification Code 20; based on various editions of the Standard Industrial Classification Manual, see text, section 13)

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Employees <sup>1</sup>	1,000	1,786	1,658	1,733	1,708	1,671	1,636	1,615	1,612	1,603	1,617
Production workers	1,000	1,207	1,120	1,191	1,175	1,150	1,126	1,114	1,120	1,118	1,136
Hourly earnings, prod. workers	Dollars	3.16	4.61	6.27	6.85	7.44	7.92	8.19	8.39	8.57	8.74
and wages	Bil. dol.	11.7	15.9	21.7	23.2	24.7	26.1	26.6	27.4	28.1	(NA)
Output by manufacture <sup>2</sup>	Bil. dol.	32.3	48.1	68.7	75.5	80.8	88.4	93.4	96.0	104.1	(NA)
Shipments <sup>3</sup>	Bil. dol.	98.5	172.2	236.0	256.2	272.1	280.5	287.1	300.0	301.6	(NA)
Sales	Bil. dol.	23.8	33.0	44.8	48.6	48.8	56.8	61.5	64.6	69.6	(NA)
Expenditures, new <sup>4</sup>	Bil. dol.	2.1	3.4	5.0	5.6	6.0	6.7	5.8	6.4	7.0	(NA)
Before profits before taxes <sup>5</sup>	Bil. dol.	4.6	6.8	11.5	13.0	14.3	13.3	14.9	15.5	20.9	21.1
After profits after taxes <sup>5</sup>	Bil. dol.	2.6	5.2	7.9	8.2	9.1	8.4	9.4	9.8	12.8	13.3
Return on equity	Percent	10.8	14.4	14.7	14.7	14.0	13.0	12.2	13.3	15.3	16.2
Profit tax rate	Cents	2.5	3.2	3.3	3.4	3.2	3.1	3.3	3.3	4.1	4.2

Not available. <sup>1</sup> Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. <sup>2</sup> See footnote 7, table 1241. <sup>3</sup> See footnote 8, table 1241. <sup>4</sup> Includes expenditures for plants in operation and plants under construction but not yet in operation. <sup>5</sup> Source: Through 1981, U.S. Federal Trade Commission, thereafter U.S. Bureau of the Census, *Quarterly Report for Manufacturing, Mining and Trade Corporations*. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc., for detail, see source. <sup>6</sup> Return on equity and profit tax rates are averages of quarterly figures at annual rates.

Except as noted, U.S. Bureau of the Census, 1982 *Census of Manufactures*, and *Annual Survey of Manufactures*.

## No. 1265. TOBACCO MANUFACTURES INDUSTRY—SUMMARY: 1972 TO 1985

Billions of dollars, except as indicated. Represents Standard Industrial Classification Code 21 [includes cigarettes, cigars, chewing and smoking tobacco, and tobacco stemming and redrying]

ITEM	1972 Census	1977 Census	1979 ASM	1986 ASM	1981 ASM	1982 Census	1982 ASM	1984 ASM	1985 ASM
Employees									
per (1,000)	66.3	60.6	58.6	56.0	61.1	57.9	54.8	51.7	49.2
Output by manufacture	502	751	908	1,046	1,219	1,324	1,355	1,354	1,366
Shipments	2,637	4,334	5,343	6,146	6,430	6,965	6,842	10,787	11,664
Expenditures	3,281	4,730	5,240	6,091	6,691	7,099	8,541	8,663	8,626
Profit tax rate	5,920	9,061	10,601	12,195	13,130	16,061	16,252	17,440	18,507
Profit tax rate	133	182	237	367	726	697	649	670	669

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977, and 1982*; and *Annual Survey of Manufactures*.

## No. 1266. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1986

Production data are for years ending June 30. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239-241]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Production	Billions	582	627	673	686	707	702	744	711	698	657	665	652
Consumption	Billions	8.0	8.3	8.8	8.6	9.1	9.9	10.0	10.0	10.0	10.0	10.0	10.0
Production	Mill. lb.	164	155	155	156	158	163	162	160	158	159	155	144
Consumption	Lb.	9.8	9.1	8.5	8.1	8.3	8.0	7.6	7.5	7.2	6.9	6.8	6.8
Production	1,000	4.0	4.1	4.1	4.0	3.9	3.8	3.6	3.7	3.5	3.5	3.4	3.3
Consumption	Number	60	39	33	30	27	25	23	22	22	20	18	17
Production	Lb.	.63	.72	.70	.66	.69	.64	.64	.65	.64	.63	.61	.76

and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual. Chewing and smoking tobacco and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Consumption of Tobacco*, quarterly. <sup>2</sup> Based on U.S. Bureau of the Census estimated population 16 and over, as of July 1, including Armed Forces abroad. <sup>3</sup> Unstemmed processing weight equivalent. <sup>4</sup> Weighing scale per 1,000.

Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

## No. 1267. MILL CONSUMPTION OF NATURAL FIBERS: 1970 TO 1986

Million of pounds. See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Cotton	3,654	3,027	3,414	3,170	3,041	3,077	3,036	2,716	2,488	2,806	2,716	2,813	3,256				
Wool	240	110	122	106	115	117	123	139	118	141	142	117	145				
Silk	6	3	4	3	4	5	2	4	5	5	5	4	4				
Other	2	1	3	2	2	2	1	2	2	2	1	1	1				

Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 20 pounds deducted. <sup>2</sup> Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other textile mills and consumption in bedding and felt manufacture.

U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook and Situation*, April 1986.

No. 1263. COTTON, WOOL, AND MANMADE FIBERS—QUANTITY AND DISTRIBUTION IN SELECTED CONSUMER PRODUCTS: 1980 TO 1985

[Represents products manufactured by U.S. mills]

END-USE AND YEAR	Total (mil. lb.)	COTTON		WOOL		MAN-MADE FIBERS					
		Total (mil. lb.)	Per- cent end- use	Total (mil. lb.)	Per- cent end- use	Total (mil. lb.)	Per- cent end- use	Cellulosic <sup>1</sup>		Non-cellulosic <sup>2</sup>	
								Total (mil. lb.)	Per- cent end- use	Total (lb.)	Per- cent end- use
Total:											
1980.....	12,111	3,125	25.8	169	1.4	8,817	72.8	748	6.2	8,069	66.6
1981.....	11,855	2,909	24.5	194	1.7	8,752	73.8	724	6.1	8,028	67.7
1982.....	10,537	2,725	25.9	169	1.6	7,643	72.5	529	5.0	7,114	67.5
1983.....	12,419	2,931	23.6	204	1.6	9,284	74.8	576	4.7	8,708	70.1
1984.....	12,436	2,934	23.6	232	1.9	9,270	74.5	576	4.6	8,694	69.9
1985.....	11,430	3,055	26.7	195	1.7	8,180	71.6	542	4.8	<sup>a</sup> 7,638	<sup>a</sup> 68.6
Apparel:											
1980.....	4,728	1,652	35.0	125	2.6	2,951	62.4	298	6.3	2,653	56.1
1981.....	4,495	1,595	35.5	148	3.3	2,752	61.2	309	6.9	2,443	54.3
1982.....	4,077	1,557	38.2	127	3.1	2,393	58.7	211	5.2	2,182	53.5
1983.....	4,566	1,646	36.0	153	3.4	2,767	60.6	229	5.0	2,538	55.6
1984.....	4,305	1,624	37.7	172	4.0	2,509	58.3	239	5.6	2,270	52.7
1985.....	4,248	1,706	40.3	142	3.3	2,396	56.4	209	4.9	<sup>a</sup> 2,187	<sup>a</sup> 51.5
Home furnishings:											
1980.....	3,656	802	22.0	26	.7	2,828	77.3	170	4.6	2,658	72.7
1981.....	3,522	744	21.1	29	.9	2,749	78.0	156	4.4	2,593	73.6
1982.....	3,144	676	21.5	26	.9	2,442	77.6	104	3.3	2,338	74.3
1983.....	3,950	812	20.6	32	.8	3,106	78.6	134	3.4	2,972	75.2
1984.....	4,112	851	20.7	35	.8	3,226	78.5	135	3.3	3,091	75.2
1985.....	4,377	880	20.1	30	.7	3,487	79.2	126	2.9	<sup>a</sup> 3,341	<sup>a</sup> 76.3
Industrial: <sup>4</sup>											
1980.....	3,109	412	13.2	11	.3	2,686	86.5	249	8.0	2,437	78.5
1981.....	3,348	404	12.1	12	.3	2,932	87.6	231	6.9	2,701	80.7
1982.....	2,980	377	12.7	10	.3	2,593	87.0	195	6.5	2,398	80.5
1983.....	3,623	382	10.5	14	.4	3,227	88.1	196	5.4	3,031	83.7
1984.....	3,740	375	10.0	21	.6	3,344	89.4	187	5.0	3,157	84.4
1985.....	2,479	359	14.5	13	.5	2,107	85.0	190	7.7	<sup>a</sup> 1,917	<sup>a</sup> 77.3

<sup>1</sup> Rayon and acetate. <sup>2</sup> Nylon, polyester, acrylic, olefin, saran, spandex, and textile glass, except as noted. <sup>3</sup> Excludes textile glass. <sup>4</sup> Includes consumer-type products.

No. 1269. FILAMENT YARN AND STAPLE AND TOW SHIPMENTS AND TRADE: 1980 TO 1985

[In millions of pounds]

SHIPMENTS	1980	1984	1985	TRADE	1980	1984	1985
Filament yarn, total <sup>1</sup> .....	3,783.2	3,528.9	3,746.3	Exports, total.....	617.5	279.5	338.4
Nylon.....	1,536.9	1,438.1	1,417.4	Man-made fibers.....	351.8	190.9	209.5
Polyester.....	1,393.4	1,144.9	1,204.2	Cellulosic.....	30.6	15.5	16.2
Olefin.....	611.7	725.6	937.6	Yarn.....	20.0	9.4	9.6
Staple and tow, total <sup>1</sup> .....	3,873.2	3,878.6	3,800.6	Staple.....	10.8	6.1	6.6
Nylon.....	711.2	614.4	630.3	Noncellulosic.....	321.0	175.4	193.3
Acrylic and modacrylic.....	565.3	446.7	458.7	Yarn.....	141.0	73.0	75.8
Polyester.....	2,071.0	1,992.2	1,872.7	Staple.....	180.0	102.4	117.5
				Cotton.....	259.3	84.5	108.0
				Wool.....	6.4	4.1	10.9

<sup>1</sup> Includes items not shown separately.  
Source of tables 1266 and 1269: Textile Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly. (Copyright.)

No. 1270. U.S. EXPORTS AND IMPORTS OF TEXTILES AND APPAREL PRODUCTS: 1980 TO 1986

[In millions of dollars. Excludes glass fibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (–) indicates deficit]

PRODUCT	1980	1985	1986	PRODUCT	1985	1983	1986
Exports.....	4,468	2,712	3,074	Imports.....	8,138	16,309	21,963
Textile mill products.....	3,457	2,112	2,347	Textile mill products.....	2,372	4,714	5,517
Yarn and thread.....	642	569	431	Yarn and thread.....	186	506	638
Cotton broad woven fabric.....	546	203	301	Cotton broad woven fabric.....	433	837	1,006
Other broad woven and knit fabric.....	609	477	500	Other broad woven and knit fabric.....	784	1,353	1,549
Narrow fabric.....	106	180	154	Narrow fabric.....	43	93	112
Special fabric.....	709	284	517	Special fabric.....	299	381	361
Made-up articles.....	318	222	233	Made-up articles.....	362	1,019	1,211
Textile floor coverings.....	327	197	211	Textile floor coverings.....	283	546	690
Apparel.....	1,001	600	727	Apparel.....	5,767	13,586	15,836
				Trade balance.....	– 3,981	– 15,587	– 16,279

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

## No. 1271. MALE AND FEMALE CLOTHING—PRODUCTION: 1970 TO 1985

millions of units, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243]

ITEM	1970	1980	1983	1984	1985	ITEM	1970	1980	1983	1984	1985
<b>MALE CLOTHING</b>						<b>FEMALE CLOTHING</b>					
Suits <sup>1</sup>	17.7	14.6	10.9	12.5	12.4	Blouses <sup>2</sup> and shirts (mil. doz.)	13.3	25.6	25.2	22.0	21.2
Trousers (men's)	4.7	3.4	2.8	2.9	2.4	Dresses	251	176	164	162	152
Suits <sup>3</sup>	173.6	125.1	113.0	123.0	116.4	Suits <sup>4</sup>	6.8	17.6	13.4	11.3	11.0
Coats, men's <sup>5</sup> (mil. doz.)	18.1	17.9	21.1	22.3	20.0	Stacks	113.0	159.8	173.2	162.0	157.5
Coats	20.8	13.1	10.4	11.2	11.2	Jeans	98.2	98.2	94.4	88.9	85.0
Suits (incl. knits)	123.6	88.0	57.5	54.7	49.8	Skirts	43.1	98.9	101.5	97.5	93.6
Coats (incl. knits)	4.1	3.6	2.9	3.6	3.4	Untrimmed coats	17.0	17.0	12.0	11.9	11.1
						Fur-trimmed coats	4.7				
						Knit outerwear					
						Sweaters (mil. doz.)	5.3	4.1	6.1	5.6	7.6
						Sport shirts <sup>6</sup> (mil. doz.)	4.0	10.0	14.5	13.5	11.5

ing 1980, excludes leisure suits. <sup>2</sup> Includes uniform suits and coats. <sup>3</sup> Includes men's and boys' coats. Beginning 1983 includes leisure coats. <sup>4</sup> Includes knit and woven dress and woven sport. <sup>5</sup> Beginning 1983 includes only woven. <sup>6</sup> Beginning 1980, includes part suits. <sup>7</sup> Beginning 1983 includes blouses.

U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23E, MA-23F, and MA-23G.

## No. 1272. NONRUBBER FOOTWEAR—SUMMARY: 1970 TO 1985

one of pairs, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Direct consumption	801.7	727.8	745.7	787.7	822.8	745.1	728.8	825.7	911.5	1,030.1	1,088.8
Shoes and slippers	562.3	413.1	391.1	418.9	398.4	398.9	372.0	358.1	339.2	309.2	285.5
Exported (mil. doz.)	4	11	1.3	1.7	2.3	1.6	2.6	2.2	2.2	2.9	4.3
Imports (mil. doz.)	2.9	3.1	3.7	3.8	4.3	4.7	4.5	4.8	4.8	4.0	4.0
Sandals, playshoes (production)	480.8	339.1	332.0	336.8	320.8	323.5	302.2	305.1	281.5	243.8	211.1
Total consumption	241.5	319.4	360.0	376.7	443.8	403.5	369.0	479.5	580.2	725.8	842.8
Of total consumption	30.1	43.9	48.3	47.7	53.3	51.6	50.8	57.8	63.6	71.1	75.8

U.S. Bureau of the Census, *Census of Manufactures, 1977*. <sup>2</sup> Beginning 1980, includes items not shown separately. Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

## No. 1273. CHEMICALS AND ALLIED PRODUCTS—INDUSTRY SUMMARY: 1972 TO 1985

(in millions of dollars, except as noted)

ITEM	1972	1975	1977	1979	1980	1981	1982	1983	1984	1985
Value added (1,000)	837	842	890	895	910	892	873	851	843	828
Wages (1,000)	8,731	11,227	13,839	16,518	18,269	19,723	20,836	21,411	22,865	23,345
Workers (1,000)	525	510	544	562	545	533	509	498	491	476
Production (million)	1,054	1,001	1,080	1,108	1,080	1,067	1,094	991	979	951
Imports (1,000)	32,414	44,976	56,721	70,356	74,384	80,032	77,315	86,473	94,728	95,258
Exports (1,000)	57,350	89,721	118,154	147,874	162,517	180,459	170,737	183,206	198,239	197,311
Imports (1,000)	38,812	50,665	65,300	78,148	82,112	88,769	95,125	102,226	106,331	111,945
Exports (1,000)	293	453	513	542	597	659	644	734	779	767
Imports (1,000)	4,183	8,655	10,700	17,488	21,094	21,880	20,021	19,888	22,249	21,797
Exports (1,000)	1,749	3,098	4,414	5,000	6,991	7,855	7,800	9,333	11,927	12,708

<sup>1</sup> products and services sold by 28 group industries.U.S. International Trade Administration, *U.S. Industrial Outlook*, annual.Except as noted, U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977, and 1982*; and *Annual Survey of Manufactures*.

## No. 1274. RUBBER—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1970 TO 1985

in thousands of long tons. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic rubber (including weight of oil content), neoprene, butyl, butadiene-acrylonitrile, polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, styrene, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic.

ITEM	1970	1975	1979	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production <sup>1</sup>	3,042	2,826	3,332	2,557	3,772	3,016	3,137	3,147	2,846	3,399	2,308	3,657
Imports	2,398	2,077	2,486	2,900	2,630	2,699	2,294	2,277	1,991	2,030	2,248	1,983
Exports	2,197	1,958	2,367	2,481	2,705	2,784	2,209	2,180	1,786	1,858	2,177	1,932
Stocks	644	749	638	857	943	927	845	870	786	990	1,080	1,084
Imports	550	655	714	793	771	798	650	700	640	798	798	779
Exports	334	290	385	276	392	437	494	496	639	394	392	348
Imports	299	228	281	252	284	311	472	398	385	299	376	343
Exports	346	638	642	392	986	379	275	299	299	299	346	297

<sup>1</sup> Natural, synthetic and reclaimed.U.S. Bureau of the Census, *Current Industrial Reports*, series MA-20A.

## NO. 1276. IRON AND STEEL INDUSTRY—SUMMARY: 1970 TO 1986

(The universe for financial data for 1982 represents companies who produced 82 percent of the reported raw steel production. The financial data represents the operations of the steel segment of companies. Minus sign (-) indicates net loss)

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Steel mill products, apparent supply	Mil. tons <sup>1</sup>	97.1	88.0	115.0	95.2	105.4	78.4	83.5	88.9	86.4	90.0
Net shipments	Mil. tons <sup>1</sup>	90.8	80.0	100.2	83.8	88.5	61.8	67.8	73.7	73.0	70.2
Exports	Mil. tons <sup>1</sup>	7.1	3.0	2.8	4.1	2.9	1.8	1.2	1.0	1.0	1.0
Imports	Mil. tons <sup>1</sup>	13.4	12.0	17.5	15.5	19.0	16.7	17.1	26.2	24.3	20.7
Percent of total supply	Percent	13.8	13.5	15.2	16.3	18.0	21.8	20.5	26.4	25.2	23.0
Japan	Percent	(NA)	6.6	5.5	6.3	5.9	6.8	5.1	6.7	6.2	4.8
EEC <sup>2</sup>	Percent	(NA)	4.6	4.7	4.1	6.1	7.3	4.9	6.4	7.2	7.9
Canada	Percent	(NA)	1.1	2.0	2.5	2.7	2.4	2.9	3.2	3.0	3.8
Scrap consumed	Mil. tons <sup>1</sup>	60.9	62.8	77.2	66.6	68.3	43.7	49.0	51.8	53.2	49.4
Scrap produced	Mil. tons <sup>1</sup>	48.4	40.1	45.4	36.9	38.4	23.6	23.9	29.5	(NA)	(NA)
Scrap inventory	Mil. tons <sup>1</sup>	6.5	7.8	7.4	6.9	7.1	5.5	5.0	4.4	4.0	3.4
Iron and steel products: Exports	Mil. tons <sup>1</sup>	6.1	4.1	3.6	5.1	3.8	2.8	1.8	1.7	1.6	1.5
Imports	Mil. tons <sup>1</sup>	14.0	13.9	20.3	17.9	22.6	18.8	19.3	29.5	27.6	24.2
Revenue	Bil. dol.			40.8	37.7	43.8	38.7	26.0	30.3	26.4	25.0
Net income	Bil. dol.			.8	.7	1.7	-3.4	2.2	-(2)	-1.8	4.2
Stockholders' equity	Bil. dol.			14.3	14.5	15.4	11.3	8.2	9.4	6.9	2.7
Total assets	Bil. dol.	(NA)	(NA)	28.3	30.8	31.7	27.9	25.5	26.2	24.0	21.0
Net fixed assets	Bil. dol.			18.8	17.7	18.2	17.8	15.9	16.6	15.7	13.4
Capital expenditures	Bil. dol.			2.5	2.7	2.4	2.3	1.9	1.2	1.6	.9
Working capital ratio <sup>3</sup>	Ratio			1.7	1.8	1.7	1.5	1.9	1.4	1.3	1.6
Inventories	Bil. dol.			5.0	4.7	5.4	4.0	3.3	4.2	3.5	3.0
Average employment	1,000	531	467	453	390	391	289	243	236	206	175
Hours worked	Million	1,220	855	894	756	753	526	478	474	419	356
Index of output, all employees <sup>4</sup>	1977=100	88	93	107	103	112	91	118	131	139	137
Capacity by steelmaking process	Mil. net tons	(NA)	153.1	155.3	153.7	154.3	154.0	150.8	135.3	133.8	128
Producer price indexes <sup>5</sup>											
Iron and steel, total	1967=100	115.1	200.9	263.5	305.2	333.8	338.0	343.4	354.9	355.3	(NA)
Steel mill products	1967=100	114.2	197.2	280.4	302.7	337.6	349.5	352.8	366.0	366.1	(NA)
Blast and electric furnace products	1967=100	114.8	204.7	298.7	307.4	316.2	316.6	309.3	308.2	302.6	(NA)
Iron ore	1967=100	100.1	154.3	216.7	244.6	268.4	278.7	282.1	282.1	271.7	(NA)
Scrap, iron and steel	1967=100	136.8	245.6	341.9	328.1	327.4	232.9	250.1	286.1	282.3	(NA)
Foundry and forge shop products	1967=100	112.1	194.3	277.1	310.0	329.8	345.5	351.1	360.6	363.4	(NA)

NA Not available. <sup>2</sup> Less than \$50 million. <sup>3</sup> In millions of short tons. <sup>4</sup> European Economic Community; includes Belgium, Denmark, France, West Germany, Ireland, Italy, Luxembourg, The Netherlands, and the United Kingdom. <sup>5</sup> Current assets to current liabilities. <sup>6</sup> Index of output per employee hour. <sup>7</sup> Source: U.S. Bureau of Labor Statistics, Producer Price Indexes, monthly and annual.

Source: Except as noted, American Iron and Steel Institute, Washington, DC, Annual Statistical Report (Copyright.)

## NO. 1270. MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1970 TO 1986

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Ferrous castings (1,000 sh. tons): <sup>1</sup>									
Gray iron castings <sup>2,3</sup>	13,945	13,328	11,799	11,801	6,215	8,247	10,520	8,701	7,107
Pressure pipe and fittings	1,681	1,980	1,396	1,249	1,100	1,269	1,538	1,535	1,381
Soil pipe and fittings	983	449	375	410	363	388	393	376	354
All other	11,301	11,489	10,026	10,142	6,782	6,049	6,589	6,790	5,372
Malleable iron castings <sup>4</sup>	692	770	450	422	284	291	380	376	488
For sale	521	484	208	200	119	98	180	198	153
For own use	331	286	244	222	165	193	200	178	316
Standard malleable	628	534	312	291	181	191	241	233	229
Pearlitic malleable	224	236	136	129	84	100	139	143	243
Steel castings <sup>5,6</sup>	1,724	2,026	1,878	1,743	1,017	729	940	838	875
Carbon	1,147	1,758	1,225	1,102	609	420	561	573	520
Alloy	577	268	653	641	408	309	359	369	355
Nonferrous castings (1,000 sh. tons): <sup>1,7</sup>									
Copper and copper-base alloy	391	315	265	263	222	249	252	235	239
Aluminum and aluminum-base alloy	771	729	845	910	903	949	1,116	1,114	1,136
Zinc and zinc-base alloy	398	356	243	236	208	245	272	255	249
Magnesium and magnesium-base alloy	18	19	13	11	9	13	14	12	20
Lead and lead-base alloy die <sup>8</sup>	28	21	23	16	19	26	25	23	26
Copper-based products (mil. lb.): <sup>9</sup>	5,624	4,716	5,620	5,968	4,774	4,827	5,393	4,867	4,899
Brass mill products	2,513	2,025	2,467	2,822	2,014	2,116	2,717	2,383	2,318
Alloyed	1,542	1,324	1,508	1,695	1,247	1,245	1,651	1,368	1,359
Unalloyed	971	701	959	927	767	871	1,056	997	959
Copper wire mill products <sup>10</sup>	2,329	2,056	2,783	2,767	2,316	2,213	2,062	1,824	1,782
Brass and bronze foundry products	782	831	570	566	444	489	504	470	476
Aluminum mill products (mil. lb.): <sup>11</sup>	7,389	7,427	10,486	10,329	9,116	10,824	11,878	11,892	11,418
Plate, sheet, and coil	4,247	4,884	6,692	6,829	6,080	7,171	7,195	7,255	7,480
Extruded shapes and tubing	1,623	1,643	2,329	2,104	1,981	1,980	2,583	2,784	2,844
Rolled structural shapes, rod, bar, cable <sup>12</sup>	983	924	1,213	1,150	862	936	995	787	744
Powder, flake and paste	205	99	117	108	80	79	99	107	86
Forgings and impacts	120	97	134	139	152	173	204	149	144

<sup>1</sup> Based on a sample of foundries. <sup>2</sup> Beginning 1975, data not strictly comparable with 1970. <sup>3</sup> Includes shipments "for own use." <sup>4</sup> Includes ductile (nodular) iron castings. <sup>5</sup> Excludes lead die castings for battery plates and parts. <sup>6</sup> Excludes webbing scrap (military ammunition cups and discs). <sup>7</sup> Copper content. <sup>8</sup> Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products. <sup>9</sup> Includes wire. <sup>10</sup> Includes welded tubes.

Source: U.S. Bureau of the Census, Current Industrial Reports, series M33-2, M33A, M33E, and U.S. Bureau of the Census and U.S. International Trade Administration, Current Industrial Reports, series ITA-8008, annual.

# 1277. RAW STEEL, PIG IRON AND FERROALLOYS PRODUCTION: 1970 TO 1986

Units, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 285-289

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
(tons)												
total	854.2	712.0	741.8	790.8	824.5	790.4	779.4	710.7	730.9	782.2	791.6	784.8
iron	131.5	116.8	125.3	137.0	138.3	111.8	120.8	74.8	84.8	92.5	88.3	81.6
steel	20.1	16.4	18.9	17.3	18.5	14.2	15.5	10.5	11.6	11.8	11.1	10.4
alloy	83.3	71.8	77.4	83.8	83.3	67.8	73.2	45.3	52.1	52.8	51.9	47.9
ferroalloy	20.2	22.7	27.9	32.2	33.9	31.2	34.1	23.2	25.8	31.4	29.9	30.4
cast iron	48.0	22.2	20.0	21.3	19.1	13.0	13.8	6.1	5.9	6.3	6.4	3.9
total	117.4	100.4	108.1	118.9	118.2	94.7	101.5	84.1	73.8	78.9	78.7	71.4
ferroalloy	14.1	16.3	17.2	20.1	20.1	17.1	19.3	10.5	10.8	12.8	11.6	10.2
total	83.5	79.9	81.3	87.7	87.0	68.7	73.8	43.3	48.7	51.9	50.4	44.0

Includes blast furnace ferroalloys.

# 78. STEEL PRODUCTS—NET SHIPMENTS, BY MARKET CLASSES: 1970 TO 1986

In short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified

MARKET CLASS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
total	80,786	78,967	83,853	85,450	81,667	87,883	73,739	73,043	70,289	
iron	14,475	15,214	12,124	13,154	9,288	12,320	12,682	12,850	11,089	
steel	16,025	12,700	16,172	17,637	13,087	16,710	18,364	18,439	17,476	
alloy	8,813	8,119	8,742	8,446	6,283	7,271	7,522	7,900	7,336	
ferroalloy	7,775	6,053	5,551	5,292	4,470	4,532	4,362	4,088	4,113	
equipment, tools	5,189	5,173	4,543	4,824	2,584	2,484	2,888	2,271	2,076	
and processing	3,443	3,255	4,117	5,058	3,222	4,403	5,136	5,484	5,836	
ferroalloy	3,088	3,152	3,155	2,182	1,020	937	1,438	1,081	708	
total	4,440	3,927	3,148	3,230	2,267	2,703	2,631	3,390	3,278	
ferroalloy	3,550	4,171	5,371	6,238	2,745	1,296	2,003	2,044	1,023	
and cutlery	2,894	2,173	2,441	2,600	2,003	2,337	2,366	1,868	2,113	
total	2,180	1,853	1,725	1,775	1,337	1,618	1,635	1,488	1,648	

Items not shown and nonclassified shipments.

1277 and 1278: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (Copyright.)

# No. 1279. MACHINE TOOL ORDERS AND SHIPMENTS: 1970 TO 1986

Units. These data represent total industry volume based on reports from members of the National Machine Tool Builders Association. The reporting companies produce about 90 percent of the U.S. machine tool output

	METAL CUTTING TYPE TOOLS					METAL FORMING TYPE TOOLS				
	New orders (net)		Shipments		Order back-log, end of period	New orders (net)		Shipments		Order back-log, end of period
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
total	651	507	993	827	471	281	227	450	412	235
iron	818	781	1,879	1,548	1,082	361	213	573	485	219
steel	1,882	1,477	1,482	1,270	1,242	541	509	578	474	209
alloy	2,202	1,981	1,851	1,470	1,794	793	731	630	560	384
ferroalloy	3,373	3,043	2,189	1,980	2,981	873	887	825	729	516
total	4,495	3,868	2,930	2,606	4,546	1,126	920	947	860	610
iron	3,885	3,496	3,881	3,206	4,750	870	665	1,011	679	385
steel	2,226	1,946	4,105	3,552	2,873	717	617	981	824	427
alloy	1,084	890	2,895	2,589	1,043	433	372	710	600	151
ferroalloy	1,152	1,089	1,372	1,200	823	545	489	474	430	222
total	1,916	1,700	1,907	1,484	1,132	1,000	888	679	608	542
iron	1,853	1,852	1,742	1,549	1,243	875	810	803	743	414
total	1,544	1,377	1,890	1,685	897	561	507	686	621	307

Machine Tool Builders Association, McLean, VA; data published in U.S. Bureau of Economic Analysis, *Business* 1965-1979; thereafter, *Survey of Current Business*, monthly

# No. 1280. ELECTRONICS SHIPMENTS: 1975 TO 1986

(In millions of dollars)

ELECTRONICS	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
total	42,289	65,051	101,897	117,728	128,883	138,704	187,184	188,889	208,739			
minicomputers	13,457	32,851	39,539	47,835	54,855	58,087	68,672	67,854	65,955			
mainframe computers	14,302	26,734	30,772	35,659	39,130	42,119	49,629	58,018	63,100			
peripherals	9,286	21,334	25,571	28,784	29,561	33,858	43,386	38,645	37,383			
other	5,244	5,132	5,205	5,451	5,137	5,062	6,375	5,062	6,500			

Products and related services not shown separately.

Source: Electronics Association, Washington, DC, *Electronic Market Data Book*, annual.



## No. 1281. ROBOTS, ACCESSORIES, AND COMPONENTS—UNITS SHIPPED AND VALUE: 1984 TO 1986

[Based on a survey of all known manufacturers of robots, robot accessories, and components. Approximately 75 companies reported shipments in 1984, 72 in 1985, and 60 in 1986. Shipment value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. A robot is a reprogrammable multi-functional manipulator designed to move materials, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks. Robots are presently classified in the Standard Industrial Classification (SIC) based on their primary industrial function]

ITEM	UNITS SHIPPED (number)			VALUE OF SHIPMENTS (\$1,000)		
	1984	1985	1986	1984	1985	1986
Robots, robot accessories, and components	(X)	(X)	(X)	281,189	345,239	310,034
Robots, complete	6,534	5,466	6,150	225,528	275,721	250,929
Servo-controlled robots	2,676	2,978	2,718	206,018	254,926	233,499
Point-to-point type:						
Welding, soldering, brazing, and/or cutting (welding type)	627	839	960	56,932	74,646	86,047
Foundry forging, and/or heat treating <sup>1</sup>	20	12	17	1,851	745	1,889
Machine tool loading and/or unloading	67	53	40	4,131	3,785	2,636
Assembly for non-electronic and electronic products	411	547	441	29,908	17,761	17,891
Material handling and/or parts transfer, n.e.c. <sup>2</sup>	402	463	307	30,962	44,893	23,817
Other point-to-point type, n.e.c. <sup>2</sup>	86			4,384		
Continuous-path type						
Welding, soldering, brazing, and/or cutting (welding type)	239	267	198	16,586	22,362	13,796
Spraying, painting, gluing, and/or sealing	448	339	291	45,966	41,416	39,467
Fettling, grinding, polishing, and/or deburring <sup>3</sup>	375	436	455	24,293	49,356	48,104
Non-servo-controlled robots	570	460	451	16,219	18,015	15,691
Other robots	3,288	2,028	2,981	3,291	2,760	1,739
Robot accessories, subassemblies, components, and parts, sold separately	(X)	(X)	(X)	55,661	69,516	59,105
End-of-arm tooling for robots	(X)	(X)	(X)	1,280	3,695	8,243
Vision, sonic, force, tactile, and proximity sensors	(X)	(X)	(X)	15,244	17,688	10,159
Interface modules	(X)	(X)	(X)	2,239	4,908	4,589
Compliance devices <sup>4</sup>	(X)	(X)	(X)	9,573		
Robot accessories, subassemblies, n.e.c. <sup>2</sup>	(X)	(X)	(X)	26,325	43,249	36,134
Miscellaneous receipts:						
Research, development, testing, and evaluation of systems and components	(X)	(X)	(X)	14,469	9,161	12,445

X Not applicable. <sup>1</sup> Includes inspection, measuring, gauging, and/or sorting. <sup>2</sup> Includes components and parts. N.e.c.—Not elsewhere classified. <sup>3</sup> Includes other continuous-path type, not elsewhere classified. <sup>4</sup> Includes joint loading and guidance systems for welding and guarding and safety devices.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA 35X(86-1).

## No. 1282. SEMICONDUCTORS AND RELATED DEVICES: 1980 TO 1986

(Semiconductors and related devices represent SIC 3674)

ITEM	Unit	1980	1981	1982	1983	1984	1985	1986
<b>SEMICONDUCTORS<sup>1</sup></b>								
Sales	Mill. dol.	6,063	6,529	6,970	9,097	13,362	10,349	11,563
Capital expenditures	Mill. dol.	1,436	1,349	1,210	1,452	3,051	2,291	1,849
Percent of sales	Percent	22.6	20.7	17.4	16.0	22.8	22.1	14.2
Japanese capital expenditures as a percent of revenues	Percent	17.2	15.9	16.5	21.5	30.1	31.7	11.8
R&D expenditures	Mill. dol.	663	777	895	1,092	1,362	1,894	(NA)
Imports, total	Mill. dol.	2,325.8	3,515.6	4,100.3	4,822.9	7,199.6	6,403.4	6,696.7
Integrated circuits, monolithic	Mill. dol.	1,790.2	2,837.8	3,395.1	3,977.2	5,960.1	4,236.9	4,805.0
Integrated circuits, other than monolithic	Mill. dol.	118.6	100.0	96.1	87.6	95.0	127.7	253.6
Transistors	Mill. dol.	416.8	577.8	639.1	747.6	1,144.7	1,039.6	1,169.1
<b>SEMICONDUCTORS AND RELATED DEVICES</b>								
Shipments	Mill. dol.	9,466	10,369	11,216	12,801	17,919	16,263	(NA)
Integrated microcircuits	Mill. dol.	6,786	6,793	7,296	8,647	13,484	10,872	(NA)
Transistors	Mill. dol.	807	833	696	802	797	891	(NA)
Diodes and rectifiers	Mill. dol.	514	636	508	572	696	700	(NA)
Semiconductor devices, n.e.c. <sup>2</sup>	Mill. dol.	1,396	2,082	2,335	2,484	2,543	2,589	(NA)
Semiconductors and related devices	Mill. dol.	166	215	480	486	309	431	(NA)
Assets, beginning of year	Mill. dol.	4,014	5,547	6,953	8,400	9,789	12,200	(NA)
New capital expenditures	Mill. dol.	1,596	1,493	1,614	1,832	2,818	2,832	(NA)
Used capital expenditures	Mill. dol.	40	21	37	65	86	390	(NA)
Retirements	Mill. dol.	230	358	423	562	843	966	(NA)
Assets, end of year	Mill. dol.	5,420	6,703	8,181	9,736	12,169	14,526	(NA)
Depreciation charges	Mill. dol.	801	796	841	1,014	1,309	1,512	(NA)
Rental payments	Mill. dol.	74	110	121	147	173	194	(NA)

NA Not available. <sup>1</sup> Source: Dataquest Inc., San Jose, CA, *Consolidated Data Base*, April 1987. <sup>2</sup> N.e.c.—Not elsewhere classified.

Source: Except as noted, U.S. Bureau of the Census, *Annual Survey of Manufactures*.

### SELECTED ELECTRONIC AND ASSOCIATED PRODUCTS—VALUE OF SHIPMENTS BY CLASS OF PRODUCT: 1979 TO 1985

dollars. Based on a survey of all establishments with 20 or more employees for industries 3681, 3682, 3671, 3674, 3677, 3678, 3679, and 3683; includes all known manufacturers of telephone and telegraph apparatus, electronic systems and equipment, and electronic equipment. See source for details. N.e.c. means not elsewhere classified.

PRODUCT DESCRIPTION	1979	1980	1981	1982	1983	1984	1985
Selected electronic and associated products	51,255	60,450	71,373	77,568	83,030	101,887	101,342
Telephone switching and switchboard equipment	3,853	4,254	4,363	4,448	4,651	5,671	7,584
Telephone and telegraph (wire) apparatus, equipment, and components	6,049	6,893	7,501	8,080	8,782	8,370	8,070
Communication systems and equipments <sup>1</sup>	4,248	5,139	5,722	6,854	7,557	9,259	10,788
Postel, studio, related electronic equipment	946	1,167	1,445	1,544	1,464	1,476	1,442
Navigation systems	1,067	1,183	781	834	880	1,045	1,022
Search and detection systems and navigation and guidance system and equipment	9,773	12,139	15,040	17,733	19,882	22,823	26,444
Automotive and pedestrian traffic control systems <sup>2</sup>	(1)	(1)	501	413	481	475	453
Communications systems	(1)	(1)	182	163	178	213	208
Electronic systems and equipment, n.e.c. <sup>3</sup>	2,081	2,480	2,900	3,111	3,120	3,361	3,244
Vacuum tubes receiving type <sup>4</sup>	88	82	83	43	58	45	45
Cathode ray picture tubes, including rebuilt <sup>5</sup>	748	915	913	830	826	933	867
Electron tubes, industrial, and special-purpose electron tubes, etc. X-ray <sup>6</sup>	898	778	883	984	1,080	1,134	1,173
Integrated microcircuits (semiconductor networks)	4,717	6,806	6,976	7,322	8,003	13,324	10,080
Diodes	571	600	636	597	626	824	889
Transistors and rectifiers	500	490	616	484	541	882	641
Integrated semiconductor devices	1,413	1,383	2,079	2,317	2,411	2,588	2,232
Components for electronic applications	939	1,184	1,277	1,208	1,288	1,804	1,376
Components for electronic applications	748	809	804	725	763	948	826
Components, transformers, reactors, and chokes for electronic applications	778	852	952	842	866	1,055	1,086
Radio frequency (RF) connectors			219	214	211	257	257
Coaxial connectors	1,674	2,018	455	368	415	488	527
Panel and panel connectors			383	385	420	484	394
Printed circuit connectors			480	444	588	724	726
Connectors for connectors			675	717	842	1,270	870
Electronic microwave and piezoelectric			536	408	423	572	516
Electronic recording tape <sup>7</sup>			1,063	964	958	1,748	1,582
Electronic components and devices			621	786	762	844	836
Electronic components	7,908	9,619	245	282	524	810	805
Electronic components electrical/electronic input or output, n.e.c.			350	363	405	427	510
Electronic components, mechanical types for electronic circuitry			377	446	512	548	471
Printed circuit boards			1,864	2,147	2,553	3,585	3,082
Electronic components			2,320	2,502	2,835	3,418	3,244
Electronic components, n.e.c.			4,302	3,973	4,277	5,892	4,826
Electronic components, n.e.c. and other irradiation equipment	845	800	1,004	1,342	1,544	1,758	1,831
Medical equipment	1,438	1,813	1,937	2,419	2,557	2,875	2,704
Automatic garage door openers, electronic	132	129	147	137	187	198	184
Electronic games arcade, amusement center type				820	480	284	179
Electronic games, home electronic type	248	452	1,037	1,278	479	99	47

Notes: <sup>1</sup> For 1980 and previous years product classes 36824, 36825, and 36826 were combined with 36823. Product class 36823 is included in 36824 to improve comparability with the 1982 Census of Manufactures.

<sup>2</sup> Includes electric railway systems and attachments. <sup>3</sup> Effective for 1981, product class 36827 has

36829 to improve comparability with the 1982 Census of Manufactures. <sup>4</sup> For 1979 and subsequent years,

673 were merged into industry 3671, product classes previously published with codes 36710, 36720, and 36730

with codes 36711, 36712, and 36713, respectively. <sup>5</sup> Similar products are collected on the Current Industrial

Computers and Office and Accounting Machines, and the data were added together to form the complete product

Source: Bureau of the Census, Current Industrial Reports, MA36N(85)-1

### 84. COMPUTERS AND OFFICE AND ACCOUNTING MACHINES—VALUE OF SHIPMENTS: 1975 TO 1985

dollars. Based on a survey of all known producers of these products except the very small firms (generally less than 10 employees). Includes approximately 740 companies. For details, see source.

PRODUCT DESCRIPTION	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Electronic computers	2,123	3,579	5,254	6,908	8,077	10,766	11,356	12,702	17,063	18,880
Peripheral equipment for electronic computers	3,732	6,028	7,111	8,978	11,730	14,015	14,853	16,749	19,299	16,158
Electronic attachments <sup>1</sup>	1,822	2,392	2,747	3,782	4,513	4,298	7,008	7,519	9,982	8,975
Electronic calculating machines	487	377	400	452	476	422	239	188	174	151
Adding machines and cash registers	258	405	488	636	708	787	901	1,028	1,129	977
Electronic attachments <sup>2</sup>	100	41	48	86	53	86	110	133	137	124
Adding machines	103	200	193	248	189	193	158	170	188	180
Letter-handling, and addressing machines	172	235	286	313	381	405	387	508	562	585
Adding and word processing machines						1,415	1,479	1,577	1,860	1,862
Typewriters, dictating, transcribing		1,342	1,873	1,856	2,380					
Adding and other office machines	891	106	254	170	215	1,043	1,092	917	942	1,233
Electronic attachments <sup>3</sup>						202	851	228	221	308

<sup>1</sup> Includes computers and peripheral equipment, produced by complete machine manufacturers.

<sup>2</sup> Includes adding, and accounting machines and cash registers. <sup>3</sup> For duplicating, dictating, and other office machines.

Source: Bureau of the Census, Current Industrial Reports, series MA36N(85)-1.

No. 1285. COMPUTER SHIPMENTS AND REVENUES: 1982 TO 1986

[Revenue is in if-sold, end-user dollars]

ITEM	Unit	1982	1982	1984	1985	1986
Computer outlays, total <sup>1</sup>	Bil. dol.	21.6	29.8	39.0	42.7	45.4
Percent change	Percent	34.2	38.0	30.9	9.5	6.3
Mainframe computers, units shipped <sup>2</sup>	1,000	2.1	2.3	2.4	2.4	2.4
Revenues	Bil. dol.	7.0	8.0	8.8	8.7	8.8
Super minicomputers, units shipped <sup>3</sup>	1,000	4.6	5.2	6.4	7.4	8.2
Revenues	Bil. dol.	3.0	3.3	3.7	3.9	4.4
Departmental computers, units shipped <sup>4</sup>	1,000	64.5	75.6	90.1	106.6	113.7
Revenues	Bil. dol.	5.7	7.0	8.1	9.1	10.1
Multiuser microcomputers <sup>5</sup>	1,000	106.9	146.4	196.7	210.4	218.1
Revenues	Bil. dol.	2.0	2.8	3.7	4.0	4.0
Engineering and technical systems shipped <sup>6</sup>	1,000	.6	3.3	7.5	19.1	35.1
Revenues	Bil. dol.	-	.1	.4	.8	1.2
Personal computers shipped <sup>7</sup>	1,000	2,567	6,186	7,740	6,366	7,101
Revenues	Bil. dol.	3.9	8.6	14.3	16.2	16.9
Local area network sales	Mil. dol.	62.5	151.9	321.1	576.7	692.8
Number of connections <sup>8</sup>	1,000	77.9	165.0	420.0	769.9	1,020.4

- Represents zero. <sup>1</sup> Shipments into the U.S. market from any manufacturing country. <sup>2</sup> Units costing more than \$1.5 million. <sup>3</sup> Units costing \$250,000 to \$1.5 million. <sup>4</sup> Units costing \$25,000 to \$250,000. <sup>5</sup> Units priced below \$25,000. <sup>6</sup> Single-user systems for technical and engineering applications, excluding CAD/CAM workstations from turnkey vendors. <sup>7</sup> Units costing less than \$10,000. <sup>8</sup> Number of new connections of devices, including terminals, computers, and workstations. Source: Dataquest Inc., San Jose, CA, Consolidated Data Base, April 1987.

No. 1286. DOMESTIC PERSONAL COMPUTER SALES AND USE: 1981 TO 1986

[In mil. units, except as indicated]

ITEM	1981	1982	1983	1984	1985	1986
Personal computers sold	1.11	3.53	6.90	7.70	7.10	7.81
Value (bil. dol.)	3.14	5.93	9.79	14.49	16.19	21.61
Personal computers in use, total <sup>1</sup>	2.12	5.53	12.17	19.39	25.86	32.54
Workplace	1.24	2.26	4.00	6.47	9.46	12.69
Business: 1-49 employees	.30	.55	.99	1.66	2.62	3.66
50-999 employees	.24	.44	.77	1.24	1.86	2.59
Over 999 employees	.47	.88	1.61	2.64	3.82	5.09
Government	.24	.40	.62	.91	1.16	1.55
Education	.13	.27	.54	.94	1.45	2.05
Kindergarten through grade 12	.10	.21	.40	.70	1.10	1.56
College/university	.03	.06	.14	.24	.36	.49
Homes	.75	3.00	7.64	11.99	14.95	17.80
Personal computer-related equipment in use:						
Impact printers	.72	1.90	4.25	8.66	13.02	17.86
Nonimpact printers	.02	.10	.31	.67	1.21	1.93
Plotters	.02	.05	.12	.24	.44	.72
Monochrome monitors	.97	2.24	4.68	8.19	11.61	15.19
Color monitors	.13	.48	1.29	2.79	4.89	7.77
Modems	.18	.53	1.41	3.02	4.92	7.21
Add-in-boards <sup>2</sup>	2.41	5.68	11.43	19.50	30.51	44.02

<sup>1</sup> Excluding multiuser personal computers. <sup>2</sup> Excluding add-in modem boards. Source: Future Computing, Inc., Dallas, TX, unpublished data.

No. 1287. TELECOMMUNICATIONS REVENUE: 1981 TO 1986

[In millions of dollars]

ITEM	1981	1982	1983	1984	1985	1986
Total	109,916	122,542	130,119	128,173	145,238	161,968
Public markets	100,924	112,656	119,160	115,400	131,359	147,181
Transmission equipment <sup>1</sup>	1,967	2,183	2,596	2,930	3,292	3,582
Switching equipment <sup>2</sup>	2,648	2,426	2,300	2,773	3,697	3,699
Public services <sup>3</sup>	96,309	108,047	114,135	109,228	123,568	136,662
Cellular mobile radio <sup>4</sup>	-	-	127	469	802	1,236
On-premises markets	8,992	9,886	10,959	12,773	13,879	14,777
Terminal equipment <sup>5</sup>	1,564	1,649	1,869	2,256	2,565	2,632
Data communications equipment <sup>6</sup>	904	1,244	1,789	2,516	3,145	3,636
Local area network connections	28	62	152	321	577	693
Switching equipment <sup>7</sup>	6,280	6,657	6,767	7,202	7,009	7,083
Attached network functions <sup>8</sup>	216	274	382	478	563	731

- Represents zero. <sup>1</sup> Includes multiplex, carrier, microwave radio, and satellite earth station equipment. <sup>2</sup> Includes central office, OCC, and private packet switching equipment. <sup>3</sup> Includes local and long distance telephone services, and public data network services. <sup>4</sup> Includes cellular telephone equipment and cellular network services. <sup>5</sup> Includes single-line telephone equipment and integrated V/D work-stations, and facsimile equipment. <sup>6</sup> Includes data network control systems, and modem, statistical and T-1 multiplexer, front-end processor, and DSU/CSU equipment. <sup>7</sup> Includes data PBX systems, key, PBX, and centrex telephone systems, and automatic call distributors. <sup>8</sup> Includes call accounting equipment and voice messaging and video teleconferencing systems. Source: Dataquest Inc., San Jose, CA, Consolidated Data Base, April 1987.

## NO. 1288. INDUSTRIAL ELECTRONIC EQUIPMENT—SHIPMENTS, BY TYPE: 1975 TO 1986

[In millions of dollars]

TYPE OF EQUIPMENT	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total <sup>1</sup>	13,457	28,339	25,909	22,851	28,539	47,835	54,955	55,957	69,872	67,954	65,955
Computer and peripheral equipment	7,478	11,998	16,111	19,999	24,320	29,099	33,256	37,131	49,499	45,590	42,635
Computers	2,123	3,251	5,248	6,908	8,077	10,799	11,355	12,702	17,093	16,401	16,000
Peripheral equipment <sup>2</sup>	3,732	8,015	7,116	8,976	11,730	14,015	14,922	16,910	19,430	18,184	16,500
Auxiliary storage equipment	837	2,024	2,472	3,000	3,856	4,724	4,087	4,318	6,424	5,191	5,136
Serial access storage	367	886	723	867	743	777	812	772	891	1,102	930
Magnetic storage media:											
Data: Rigid	(7)	145	96	141	217	235	739	1,054	1,017	1,017	1,020
Flexible (floppy)	(7)	75	74	138	212	277	459	680	592	494	390
Computer tape, cassette, etc.	290	(NA)	47	53	115	198	60	204	251	180	130
Computer terminals:											
General purpose:											
Single CRT	413	780	985	1,303	2,035	1,992	2,139	2,080	1,995	1,307	1,160
Teleprinters	277	335	332	380	491	639	605	573	441	247	160
Special purpose, including graphic	103	177	188	267	325	553	707	1,019	1,194	1,226	1,085
Parts for electronic computers	479	840	1,299	1,586	1,503	1,852	3,201	3,595	5,499	4,021	3,790
Parts for peripheral equipment	1,144	1,452	1,459	2,196	3,010	2,646	3,807	3,833	4,523	4,954	4,855
Controlling, processing equipment	2,482	3,314	4,092	4,895	5,927	5,717	5,523	5,180	7,390	7,816	6,245
Timing, measuring equipment	1,552	1,922	2,493	3,125	3,584	4,144	4,655	5,200	6,279	6,395	5,900
Other electronic equipment	829	1,715	2,189	2,461	2,703	3,390	4,402	4,845	5,149	5,016	5,200
Other electronic equipment	292	351	427	419	384	447	549	490	490	494	475

NA Not available.  
bridge, drum, etc."<sup>1</sup> Includes other types of equipment not shown separately.<sup>2</sup> Combined with "Computer tape, cassette,

## NO. 1289. CONSUMER ELECTRONIC PRODUCTS—SHIPMENTS, BY TYPE: 1975 TO 1986

[In millions of dollars. Includes imports]

PRODUCT	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	5,224	8,145	9,197	9,369	10,891	12,453	12,519	14,575	17,759	19,255	21,362
for TV receivers	2,266	3,289	3,674	3,865	4,210	4,349	4,253	5,002	5,539	5,582	6,024
leo cassette recorders	34	180	326	369	521	1,127	1,303	2,162	3,585	4,738	5,259
r audio <sup>1</sup>	355	534	582	623	1,399	2,000	2,100	1,900	2,484	2,300	2,800
parate audio components	852	1,275	1,143	1,176	1,424	1,263	1,181	1,269	913	1,132	1,359
riable audio tape equipment <sup>2</sup>	853	1,208	1,649	1,739	1,403	1,157	971	1,102	1,191	1,140	1,399
dio systems <sup>3</sup>	474	606	749	749	809	720	573	630	976	1,372	1,370
nk video cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	357	580	931	1,295	1,480
me radios	372	523	436	436	466	501	530	565	651	379	408
nochrome TV receivers	416	530	549	581	588	505	507	485	419	309	328
for cameras	(NA)	(NA)	(NA)	(NA)	(NA)	147	232	303	355	225	59
ection TV	(NA)	(NA)	(NA)	(NA)	(NA)	287	236	258	385	488	529
nk audio cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	242	219	249	275	277	304
leo disc players	(NA)	(NA)	(NA)	(NA)	(NA)	55	54	81	45	45	45

NA Not available. <sup>1</sup> Prior to 1980, data reflects factory installed products only.  
apartment other than portable. <sup>2</sup> Prior to 1981, data includes console phonographs.Source of tables 1288 and 1289: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

## NO. 1290. MACHINERY (EXCEPT ELECTRICAL)—INDUSTRY SUMMARY: 1977 TO 1985

SIC	INDUSTRY	1977			1982				1985		
		Employees		Value of ship- ments (mil. dol.)	Employees		Value of ship- ments (mil. dol.)	New capital expendi- tures (mil. dol.)	Employees		Value of ship- ments (mil. dol.)
		Num- ber (1,000)	Payroll (mil. dol.)		Num- ber (1,000)	Payroll (mil. dol.)			Num- ber (1,000)	Payroll (mil. dol.)	
99	Total	2,083	30,558	122,166	2,189	46,911	167,835	8,637	1,991	59,905	215,999
80	Engines and turbines	130	2,236	10,426	112	2,850	13,040	729	88	3,123	14,841
88	Farm and garden machinery	151	2,197	11,857	114	2,386	13,109	392	89	2,049	11,851
89	Const. and related machinery	333	5,097	23,682	328	7,332	32,039	1,578	229	5,977	27,993
94	Metaworking machinery	299	4,514	13,283	293	5,086	16,150	713	264	6,803	19,992
95	Special industry machinery	195	2,816	9,126	183	3,748	13,126	383	166	4,127	14,776
99	General industrial machinery	313	4,451	16,542	314	5,493	24,459	904	299	6,509	25,347
97	Office and comput. machines	259	3,949	16,842	404	9,437	43,088	2,648	407	12,091	62,321
99	Refrig. and service machinery	182	2,519	12,416	172	3,344	16,490	415	193	4,239	20,999
99	Miscellaneous machinery, except electrical	223	2,080	8,012	262	5,235	14,497	787	294	6,197	17,957

<sup>1</sup> Standard Industrial Classification.Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

## No. 1291. ELECTRIC AND ELECTRONIC EQUIPMENT—INDUSTRY SUMMARY: 1977 TO 1985

SIC <sup>1</sup> code	INDUSTRY	1977			1982				1985		
		Employees		Value of ship- ments (mil. dol.)	Employees		Value of ship- ments (mil. dol.)	New capital expendi- tures (mil. dol.)	Employees		V. of ship- ments (mil. dol.)
		Num- ber (1,000)	Pay- roll (mil. dol.)		Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)	
36	Total.....	1,729	22,844	86,439	1,915	26,414	147,944	7,842	2,087	46,894	191
361	Electric distributing equipment.....	115	1,431	5,772	105	1,995	5,108	220	93	2,029	1
362	Electrical industrial apparatus.....	195	2,543	9,581	191	3,706	13,825	690	179	4,055	11
363	Household appliances.....	162	1,898	10,737	129	2,223	12,644	305	124	2,578	11
364	Electric lighting and wiring equipment.....	165	1,925	6,357	159	2,718	12,048	340	164	3,382	11
365	Radio and TV receiving equipment.....	98	1,097	6,913	68	1,154	7,833	141	59	1,316	11
366	Communication equipment.....	459	5,995	22,744	601	13,979	46,426	2,399	672	19,190	62
367	Electronic components and accessories.....	374	4,557	15,390	518	9,770	34,517	3,019	558	12,352	41
369	Miscellaneous electrical equipment and supplies.....	152	2,096	6,930	147	2,699	12,544	510	157	3,605	11

<sup>1</sup> Standard Industrial Classification.Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

## No. 1292. ELECTRONIC COMPUTING EQUIPMENT INDUSTRY—SUMMARY: 1975 TO 1985

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1977 and 1982) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3573. See source for further detail.]

ITEM	1975	1977	1978	1979	1980	1981	1982	1983	1984	1
Employment, total (1,000).....	162.5	192.7	232.1	273.9	304.6	320.7	337.9	354.4	373.7	2
Salaries and wages.....	2,292	3,004	3,814	4,777	5,916	6,951	8,053	9,130	10,471	10
Production workers (1,000).....	73.6	85.5	102.9	122.0	134.7	138.0	140.9	150.1	157.7	1
Work-hours (million).....	145.9	172.4	202.3	243.8	286.7	293.0	274.5	298.2	309.6	3
Workers wages.....	731	978	1,257	1,548	1,875	2,116	2,352	2,695	3,025	3
Value added.....	4,960	7,824	9,628	12,465	14,717	17,746	19,599	20,879	25,898	26
Supplemental labor cost.....	343	528	696	904	1,097	1,296	1,605	1,834	2,110	4
Cost of materials.....	3,705	6,701	7,519	9,985	12,787	14,774	17,481	21,418	29,379	30
Value of shipments.....	6,560	12,924	16,558	21,468	26,594	32,032	36,767	41,977	53,524	59
New capital expenditures.....	292	652	1,101	1,317	1,706	2,125	2,381	2,341	3,037	3
Inventories.....	2,254	3,005	3,969	5,524	6,879	7,963	9,448	9,085	11,719	16
Assets, total.....	2,232	3,042	4,076	5,196	6,790	8,451	10,250	12,189	14,074	16
Rents, total.....	82	112	147	204	251	292	356	434	499	
Ratio of—										
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments.....	.741	.714	.727	.730	.745	.719	.738	.772	.783	
Cost of materials to value of shipments.....	.433	.441	.454	.465	.481	.481	.476	.510	.549	
Value added to value of shipments.....	.548	.580	.581	.581	.553	.554	.533	.497	.483	
Value added to work-hours.....	32.15	44.22	47.59	51.13	54.77	67.48	71.40	70.01	83.55	8

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982*, and *Annual Survey of Manufactures*.

## No. 1293. ELECTRONIC COMPONENTS AND ACCESSORIES INDUSTRY—SUMMARY: 1975 TO 1985

[In millions of dollars, except as indicated. Included in SIC 367. See headline, table 1292.]

ITEM	1975	1977	1978	1979	1980	1981	1982	1983	1984	1
Employment, total (1,000).....	302.3	373.5	412.3	467.6	498.8	503.5	515.8	515.0	582.3	1
Salaries and wages.....	3,358	4,557	5,294	6,461	7,780	8,864	9,770	10,805	12,848	10
Production workers (1,000).....	197.6	257.9	289.7	324.5	336.6	325.5	324.8	329.0	374.7	3
Work-hours (million).....	389.3	508.7	556.9	635.2	650.1	631.3	626.3	642.4	736.7	6
Workers wages.....	1,705	2,457	2,867	3,484	4,050	4,368	4,845	5,015	6,016	4
Value added.....	5,984	9,280	10,981	14,213	16,802	18,537	21,214	23,610	30,427	26
Supplemental labor cost.....	538	811	896	1,232	1,497	1,723	2,065	2,294	2,752	3
Cost of materials.....	3,884	6,390	7,210	9,206	11,434	12,159	13,584	13,912	18,190	16
Value of shipments.....	10,089	15,390	17,912	22,708	27,647	30,421	34,517	37,194	47,963	40
New capital expenditures.....	536	783	1,119	1,691	2,616	2,459	3,013	2,967	4,410	4
Inventories.....	2,050	2,773	3,275	4,376	5,388	5,745	6,436	6,841	8,037	7
Assets, total.....	4,868	6,026	6,964	8,142	10,615	12,587	15,489	17,808	21,899	28
Rents, total.....	106	107	115	145	189	247	284	315	373	
Ratio of—										
Cost of materials to value of shipments.....	.395	.415	.403	.405	.414	.400	.394	.374	.379	
Value added to value of shipments.....	.593	.602	.613	.627	.611	.609	.615	.635	.634	
Value added to work-hours.....	15.37	18.20	19.72	22.36	26.00	29.36	33.87	36.75	41.30	3

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982*, and *Annual Survey of Manufactures*.

# Electronic Components Sales—Transportation Equipment—Appliances 729

## NO. 1294. FACTORY SALES OF ELECTRONIC COMPONENTS BY TYPE: 1975 TO 1986

[In millions of dollars]

TYPE OF COMPONENT	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	9,286	11,747	13,518	17,876	21,834	25,871	28,784	29,561	33,686	43,306	38,846	37,864
Electronic products	2,580	4,311	4,363	5,511	7,201	8,089	10,309	10,729	12,570	17,032	13,528	14,200
Inductors	2,580	2,947	3,534	4,313	6,030	7,080	7,847	7,403	8,318	10,155	8,932	9,204
Resistors	734	828	886	1,286	1,874	2,018	2,203	2,148	2,586	3,200	2,773	2,900
Capacitors	(1)	(1)	(1)	(1)	789	1,066	1,176	1,304	1,386	1,613	1,502	1,575
Transformers	470	606	744	897	1,050	1,299	1,297	1,189	1,277	1,619	1,198	1,218
Relays	488	485	560	654	776	852	952	842	988	1,065	1,066	1,150
Switches	447	449	477	504	647	653	636	583	638	688	587	588
Diodes	(NA)	82	174	177	199	243	245	282	298	552	532	520
Transistors	141	118	162	303	386	349	377	448	512	548	471	465
Integrated circuits	206	266	197	227	201	277	413	288	257	340	339	380
Other electronic components	71	84	81	99	126	121	124	142	167	232	179	185
Electronic networks	32	47	61	62	111	118	139	136	153	226	189	150
Other electronic components	(1)	(1)	72	84	91	84	85	83	80	72	72	76
Other electronic components	1,071	1,218	1,276	1,428	1,554	1,744	1,969	1,865	2,049	2,137	2,055	2,125
Other electronic components	152	140	144	134	105	91	100	78	62	36	32	30
Other electronic components	420	466	519	585	682	738	868	825	1,007	1,059	1,081	1,087
Other electronic components	499	622	613	707	767	915	1,001	984	980	1,042	982	1,028
Other electronic components	3,042	3,271	4,345	5,826	7,056	8,889	9,544	10,919	13,982	12,330	11,835	

1. Not available. 2. Included in "Other components." 3. U.S. consumption. 4. Includes sockets, delay lines, loudspeaker, magnetic components, inductors, printed circuit boards, microwave components, assemblies, and parts.

SOURCE: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual. (Copyright.)

## NO. 1295. TRANSPORTATION EQUIPMENT—VALUE OF SHIPMENTS: 1972 TO 1985

[In millions of dollars. "N.A." means not elsewhere classified]

TYPE OF EQUIPMENT	1972	1975	1977	1980	1981	1982	1983	1984	1985
Aircraft	7,536	10,881	12,053	23,366	25,100	24,235	26,377	24,978	31,269
Aircraft engines and engine parts	3,070	4,468	4,895	10,010	11,556	11,841	11,516	12,841	14,208
Other equipment, n.e.c.	3,437	4,842	5,762	9,846	10,789	10,789	13,171	15,227	17,386
Building and repairing	1,031	1,290	1,822	2,129	2,249	2,307	2,594	3,322	3,388
Trucks built on purchased chassis	(NA)	(NA)	1,485	836	1,189	1,036	1,863	1,911	1,688
Trucks and car bodies	41,046	43,394	72,979	61,428	69,457	68,706	90,935	112,358	119,632
Vehicle parts and accessories	19,417	23,023	37,842	35,827	40,215	38,414	48,776	55,806	68,384
Motorcycles, bicycles, and parts	541	705	847	1,180	1,180	1,143	1,151	1,263	1,127
Other equipment	2,284	3,855	4,002	7,173	4,597	2,879	1,946	2,671	2,295
Building and repairing	3,201	5,513	6,270	8,889	10,890	10,856	8,342	9,483	9,471

1. Not available. 2. See table 1029 for number of civil aircraft shipments. 3. Value of work done.

SOURCE: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977, and 1982*, and *Annual Survey of Manufactures*.

## NO. 1296. HOME APPLIANCES AND HOME AUTO ELECTRONICS—IMPORTS: 1983 TO 1986

ITEM	NUMBER (1,000)				RETAIL VALUE (\$1,000)			
	1983	1984	1985	1986	1983	1984	1985	1986
Home appliances:								
Refrigerators	80	95	35	143	18,710	21,973	4,129	20,187
Refrigerator/oven	2,472	4,471	12,881	8,191	341,177	559,142	775,578	729,349
Refrigerator/freezer combination	783	1,072	1,213	1,212	88,070	94,955	105,383	112,337
Stoves:								
Stoves, CB	843	832	886	1,019	4,136	3,315	3,102	5,702
Stoves, radio	10,889	9,745	9,844	11,583	36,448	52,203	48,182	63,485
Radio frequency elec. amplifiers	4,887	3,828	4,519	4,384	155,950	188,879	283,473	248,368
Refrigerators	16,383	30,199	26,386	25,882	87,939	119,367	101,976	104,887
Refrigerators	57,683	44,280	84,237	71,185	222,858	278,226	395,869	391,384
Refrigerators	4,444	2,249	2,175	5,824	20,189	25,240	26,825	34,986
Refrigerators, total	40,624	48,425	47,158	43,282	677,404	696,278	814,802	716,263
Radio transistors	1,086	536	2,841	2,826	109,975	30,885	208,783	183,408
Radio transistors	12,121	15,871	13,031	13,896	183,791	198,932	156,914	138,881
Radio transistors (not battery)	612	867	866	532	13,250	15,185	26,708	26,619
Radio transistors (battery)	4,530	5,784	4,854	3,073	14,487	30,328	25,238	10,006
Radio AM/FM multi-band transistor								
Radio (not battery)	2,467	3,007	3,358	2,866	174,280	182,642	180,007	172,715
Radio AM/FM multi-band transistor								
Radio (battery operated)	18,908	23,667	22,277	201,831	230,516	205,154	184,886	
Radio/phone combination	46	48	58	46	2,242	2,334	3,688	7,842
Radio/phone/tape player combination	338	420	1,788	1,132	23,547	29,811	116,272	74,811
Radio and chargers, auto	380	176	285	15	4,888	3,500	14,305	2,837
Radio phones	105	247	354	51	8,024	14,890	19,653	4,308
Tables, auto	715	861	1,380	1,448	40,288	48,343	74,348	67,178
Tables, other	1,838	2,002	2,620	1,185	98,588	152,183	233,805	68,747
Receivers/CB	864	1,151	1,481	1,192	31,488	41,888	48,248	40,507
Recorders, players	41,582	52,677	57,775	48,861	1,778,897	2,293,908	2,578,383	2,135,525
Recorders	3,188	2,632	2,340	2,481	70,288	68,504	64,375	98,280
Recorders/cartridge, stereo	2,757	2,174	2,389	1,289	302,145	188,845	170,408	122,111
Recorders, stereo	71	48	54	28	10,283	7,888	10,085	18,629

Electronic sound amplifier sets. 2. Includes consoles. 3. Includes other types not shown separately.

SOURCE: Dealerscope Merchandising, Philadelphia, PA, Merchandising, 68th Annual Statistical and Marketing Report.



# **NO. 1297. HOME APPLIANCES AND HOME AND AUTO ELECTRONICS—SHIPMENTS AND RETAIL VA** **1982 TO 1986**

[Compiled from report of associations and manufacturers. Retail value represents median price of product times the number units shipped. Except as indicated, covers electric appliances only]

PRODUCT	MANUFACTURES SHIPMENTS (1,000 units)					RETAIL VALUE (mil. dol.)			
	1982	1983	1984	1985	1986	1982	1983	1984	1985
<b>Major appliances</b>	<b>28,711</b>	<b>34,421</b>	<b>41,370</b>	<b>43,863</b>	<b>47,877</b>	<b>12,018</b>	<b>14,439</b>	<b>16,808</b>	<b>17,837</b>
Air treatment	3,118	2,482	3,736	3,712	3,481	1,220	908	1,495	1,491
Air conditioners	2,505	1,828	2,929	2,800	2,694	1,070	805	1,294	1,286
Dehumidifiers	435	437	587	588	550	78	80	107	108
Air cleaners, electronic	178	196	220	228	237	72	82	95	98
<b>Kitchen appliances<sup>1</sup></b>	<b>18,054</b>	<b>23,274</b>	<b>28,114</b>	<b>30,113</b>	<b>33,452</b>	<b>7,958</b>	<b>10,105</b>	<b>11,841</b>	<b>12,092</b>
Refrigerators <sup>2</sup>	4,385	5,255	5,731	5,874	6,284	2,937	3,607	4,001	4,121
Microwave ovens	4,201	6,008	9,020	10,833	12,858	1,979	2,508	3,382	3,488
Ranges, electric	2,041	2,839	3,184	3,218	3,532	902	1,299	1,477	1,517
Dishwashers	2,181	3,054	3,428	3,512	3,824	848	1,205	1,388	1,416
Freezers <sup>3</sup>	1,290	1,168	1,114	1,140	1,154	821	588	545	548
Ranges, gas	1,383	1,578	1,736	1,807	1,895	585	685	785	821
Disposers	2,893	3,514	4,052	4,068	4,196	293	395	466	469
<b>Home laundry</b>	<b>6,403</b>	<b>7,426</b>	<b>8,195</b>	<b>8,826</b>	<b>9,544</b>	<b>2,538</b>	<b>3,034</b>	<b>3,414</b>	<b>3,558</b>
Dryers	2,612	3,111	3,484	3,701	4,114	898	1,102	1,259	1,328
Washers	3,791	4,315	4,711	4,825	5,430	1,641	1,932	2,154	2,231
<b>Compact appliances<sup>4</sup></b>	<b>1,138</b>	<b>1,259</b>	<b>1,325</b>	<b>1,512</b>	<b>1,400</b>	<b>300</b>	<b>334</b>	<b>358</b>	<b>398</b>
<b>Video</b>	<b>18,788</b>	<b>24,584</b>	<b>29,021</b>	<b>33,399</b>	<b>37,831</b>	<b>8,246</b>	<b>10,280</b>	<b>12,041</b>	<b>(NA)</b>
TV, color	11,377	13,839	15,848	18,894	18,855	5,841	8,095	7,297	7,250
Videocassette recorders	2,030	4,020	7,143	11,812	12,885	1,344	2,303	3,444	(NA)
TV, black and white	5,750	5,781	5,088	3,745	3,730	826	614	518	367
Camcorders	(NA)	(NA)	(NA)	(NA)	1,090	(NA)	(NA)	(NA)	(NA)
TV projection	117	142	192	281	315	277	285	347	437
Video cameras	284	410	484	402	181	265	358	380	288
Video cassette players	(NA)	(NA)	(NA)	(NA)	150	(NA)	(NA)	(NA)	(NA)
Videodisc players	240	312	185	178	125	83	108	55	51
<b>Audio/HIFI</b>	<b>70,077</b>	<b>74,244</b>	<b>72,295</b>	<b>73,157</b>	<b>81,103</b>	<b>4,473</b>	<b>4,848</b>	<b>4,887</b>	<b>4,883</b>
<b>Components<sup>5</sup></b>	<b>8,182</b>	<b>8,588</b>	<b>8,378</b>	<b>8,800</b>	<b>10,814</b>	<b>1,475</b>	<b>1,518</b>	<b>1,510</b>	<b>1,853</b>
Amps, pre-amps	365	380	351	344	379	(NA)	(NA)	(NA)	(NA)
Tuners	201	221	198	193	218	188	187	183	151
Compact disc players	(NA)	45	200	850	1,384	(NA)	33	104	284
Speakers	2,970	3,237	3,302	3,345	3,789	418	452	485	474
Receivers	1,421	1,550	1,553	1,533	1,843	381	390	391	384
Turntables	2,238	2,120	1,898	1,442	1,585	314	280	213	172
Tape decks	836	880	880	808	1,508	175	172	161	178
Portable tape equipment	27,346	28,422	27,109	27,628	30,635	1,442	1,421	1,320	1,329
Racked systems	(NA)	540	810	877	854	(NA)	358	482	528
Radios	28,518	26,188	27,391	27,528	29,898	819	883	823	808
Compact systems	1,808	1,912	1,933	2,112	2,484	504	439	414	433
Headphones	2,584	2,809	3,090	3,167	3,425	114	125	134	134
Cartridges	3,829	3,774	3,585	3,047	2,796	118	122	114	84
<b>Mobile electronics</b>	<b>20,835</b>	<b>22,237</b>	<b>22,983</b>	<b>24,718</b>	<b>26,490</b>	<b>1,862</b>	<b>2,028</b>	<b>2,261</b>	<b>2,308</b>
Autosound <sup>6</sup>	18,728	19,835	21,298	21,783	21,625	1,828	1,793	1,938	1,987
UD <sup>7</sup> cassette player	882	884	815	554	488	58	58	45	38
UD <sup>8</sup> cassette/radio combo	558	519	428	371	303	70	58	40	31
ID <sup>9</sup> cassette/radio combo	3,328	3,841	3,932	4,030	3,889	573	678	754	789
Radios only	1,057	975	932	867	757	113	104	94	81
Car speakers (in pairs)	12,479	13,427	14,835	15,182	15,010	780	834	886	979
Radar detectors	808	710	842	1,227	1,888	104	110	137	187
Citizen band radios	1,496	1,582	1,837	1,729	1,884	122	125	128	135
Cellular telephones	(NA)	(NA)	85	(NA)	285	(NA)	(NA)	182	(NA)
Auto security systems	(NA)	(NA)	(NA)	(NA)	1,028	(NA)	(NA)	(NA)	(NA)
<b>Home office</b>	<b>30,980</b>	<b>35,745</b>	<b>37,068</b>	<b>38,041</b>	<b>38,388</b>	<b>902</b>	<b>1,034</b>	<b>1,100</b>	<b>1,118</b>
Calculators	29,030	30,895	31,400	33,188	31,318	902	925	948	930
Electronic typewriters	(NA)	350	850	850	2,038	(NA)	108	154	185
Personal computers	1,950	4,500	5,000	4,025	3,075	(NA)	(NA)	(NA)	(NA)
Monitors	(NA)	(NA)	(NA)	(NA)	950	(NA)	(NA)	(NA)	(NA)
Printers	(NA)	(NA)	(NA)	(NA)	1,588	(NA)	(NA)	(NA)	(NA)
Personal copiers	(NA)	(NA)	(NA)	(NA)	288	(NA)	(NA)	(NA)	(NA)
Facsimile machines	(NA)	(NA)	(NA)	(NA)	181	(NA)	(NA)	(NA)	(NA)
<b>Electronic furniture</b>	<b>4,828</b>	<b>5,188</b>	<b>5,920</b>	<b>6,280</b>	<b>6,867</b>	<b>587</b>	<b>688</b>	<b>830</b>	<b>888</b>
<b>Video games</b>									
Hardware	8,542	8,280	3,120	(NA)	2,336	847	488	194	(NA)
Cartridge	81,000	88,320	51,250	(NA)	8,850	1,525	1,700	785	(NA)
<b>Specialty radios</b>	<b>8,488</b>	<b>8,107</b>	<b>8,279</b>	<b>8,188</b>	<b>8,154</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>
Satellite earth stations	(NA)	(NA)	480	830	255	(NA)	(NA)	1,310	1,388
<b>Software</b>	<b>407,863</b>	<b>537,791</b>	<b>651,320</b>	<b>700,204</b>	<b>884,488</b>	<b>2,283</b>	<b>3,876</b>	<b>4,263</b>	<b>5,388</b>
<b>Audio</b>									
Blank audiocassettes	236,344	251,855	268,880	286,168	288,800	582	587	585	570
<b>Video</b>									
Blank videotape	38,423	61,880	88,353	158,088	192,855	552	728	925	1,132
Beta	12,207	15,870	25,392	27,897	29,024	159	175	224	210
VHS	26,216	45,820	72,861	128,191	162,831	393	550	700	923
Pre-recorded videotape	8,510	9,808	19,880	43,100	85,441	407	521	883	1,813
Beta	1,980	2,633	4,822	7,430	8,707	113	131	221	301
VHS	4,550	8,973	14,788	35,870	58,234	294	390	742	1,613
Blank floppy disks	119,000	193,000	241,250	205,083	425,000	(NA)	(NA)	(NA)	(NA)
<b>Telephone equipment</b>									
Corded telephones	5,521	15,068	22,930	22,403	23,788	472	1,188	894	983
Cordless telephones	987	4,488	5,500	4,078	4,279	188	610	588	380
Telephone answering equipment	888	2,084	2,828	3,308	4,855	132	284	288	371

NA Not available. <sup>1</sup> Excludes duplication; therefore, sum of components will exceed total. <sup>2</sup> 6.5 cu. ft. and over. <sup>3</sup> 6.5 cu. ft. and over. <sup>4</sup> Refrigerators, freezers, washers, and dryers. <sup>5</sup> Includes others not shown separately. <sup>6</sup> UD=

Source: Dealerscope Merchandising, Philadelphia, PA, Merchandising, 66th Annual Statistical and Marketing Report.



## Section 28

# Domestic Trade and Services

This section presents statistics relating to the distributive trades and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g., personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses.

The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on gross product in trade and service industries appear in the monthly *Survey of Current Business*, issued by the Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income*, published by the Internal Revenue Service.

**Censuses.**—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are those classified in 3 divisions defined in the *Standard Industrial Classification Manual, 1972* (see text, section 13). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade*, to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services*, to establishments primarily engaged in providing a wide range of services for individuals and for businesses.

Data from the 1958 Censuses of Retail Trade and Selected Services exclude nonemployer establishments which had annual receipts of less than \$2,500 and \$1,000, respectively. Beginning with the 1963 censuses, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached specified annual totals had they operated the entire year. Beginning with the 1972 Census of Retail Trade, nonemployer establishments are included if, on an annual basis, they reported sales volume of at least \$1,000. The Census of Wholesale Trade excludes establishments with no paid employees. Beginning in 1977, sales taxes and finance charges are excluded in sales (or receipt) figures of the three censuses.

Prior to 1977, the Census of Selected Services excluded health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). These were covered (except religious organizations and private households) in the 1977 census and the title changed to the Census of Service Industries. However, while most of these industries were again included in the 1982 census, some were not. In 1982, data were not collected for hospitals, elementary and secondary schools, colleges and universities, labor unions and similar organizations, and political organizations. Also in 1977, tax-exempt service industries were covered for the first time.

The Census of Retail Trade beginning in 1977, excludes nonemployer direct sellers. In 1982, the census treated each leased department in a store as a separate establishment and classified it according to the kind-of-business it conducted. In prior years, data for leased departments were consolidated with the data for stores in which they were located.

In the retail and service censuses prior to 1982, combined data for all establishments (nonemployer firms plus establishments of employer firms) were presented for selected kind-of-business classifications. In 1982 these data could not be published by kind-of-business because many nonemployer firms were miscoded by the Internal Revenue Service (IRS) into miscellaneous categories rather than specific kind-of-business. For retail trade and services, total establishment summary data are available but kind-of-business detail are available only on a national level from the Bureau.

**Current surveys.**—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trade and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, and sales of organizations operating 11 or more retail stores (see table 1306), for the United States, by kind of business. In addition, monthly retail sales data for census regions and divisions, large States, metropolitan areas, and

cities are included. Annual figures on sales, yearend inventories, and sales/inventory ratios, by kind of business, appear in the *Annual Retail Trade Report*.

Statistics from the Bureau's monthly wholesale trade survey include national estimates of merchant wholesalers' sales, inventories, and stock-sales ratios by major summary groups—durable and nondurable—and selected kinds of businesses. Merchant wholesalers are those wholesalers who take title to the goods they sell (e.g., jobbers, exporters, importers, major distributors). These data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale Trade Report*. Annual figures on sales, sales-inventory ratios, and yearend inventories appear in the *Annual Wholesale Trade Report*.

The *Service Annual Survey* provides annual estimates of receipts for selected service establishments for the United States as a whole.

For the current sample survey programs, retail trade coverage is the same as for the census; wholesale trade coverage is limited to merchant wholesalers; and selected services coverage is less inclusive than the census.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Data include estimates for establishments not reporting.

**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

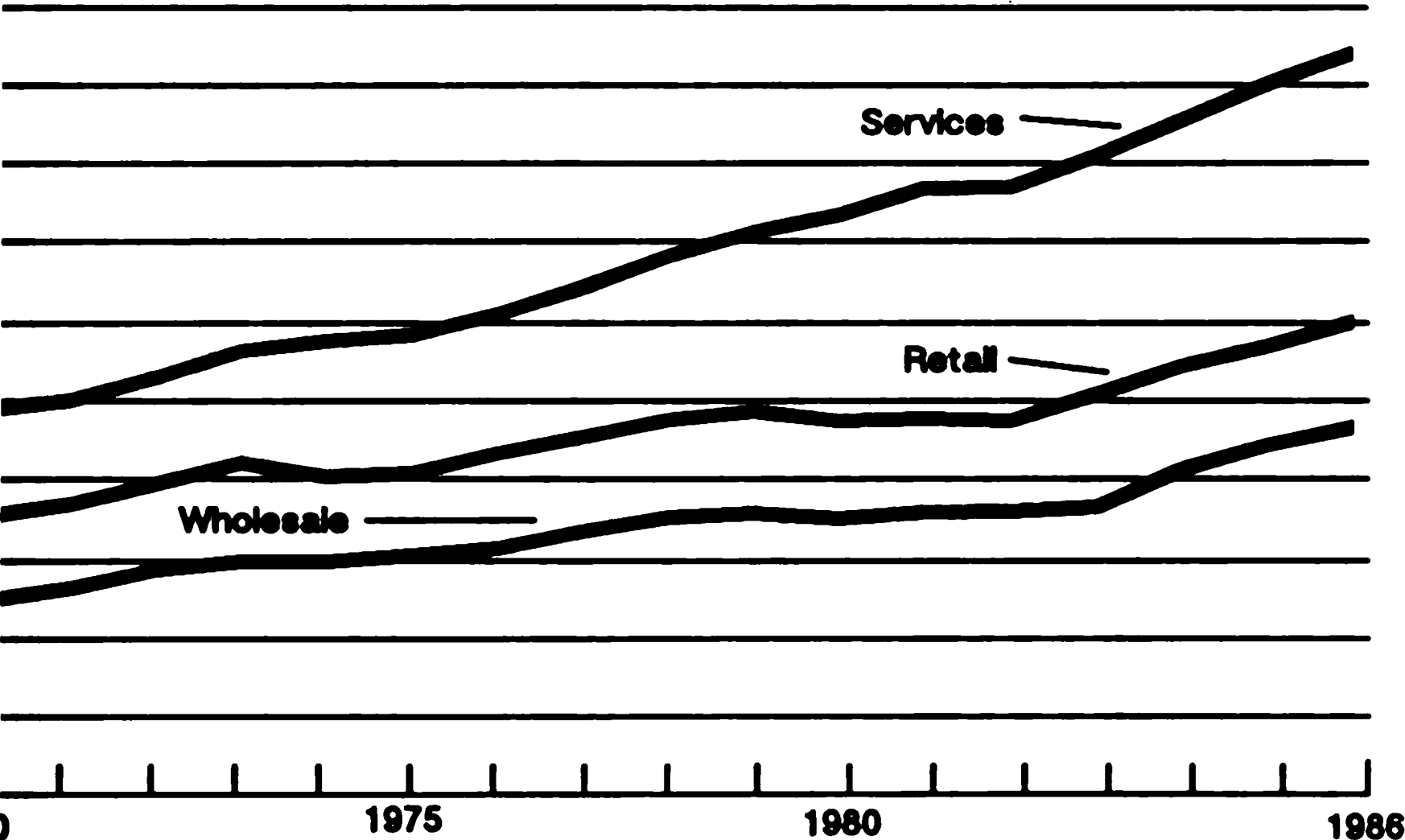
#### NO. 1298. GROSS NATIONAL PRODUCT IN DOMESTIC TRADE AND SERVICE INDUSTRIES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1986

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1978	1980	1981	1983	1983	1984	1985	1986
<b>CURRENT DOLLARS</b>										
Wholesale and retail trade .....	168.7	273.7	415.8	438.9	483.1	506.5	542.9	613.9	663.7	702.5
Percent of gross national product.....	16.6	17.1	16.6	16.1	15.8	16.0	15.9	16.3	16.5	16.6
Wholesale trade .....	66.2	117.5	179.5	193.9	214.0	219.0	226.5	263.1	261.5	294.6
Retail trade .....	100.5	156.2	236.3	245.0	269.1	287.5	316.4	350.8	382.2	407.9
Services .....	120.2	189.8	328.7	374.0	422.6	463.8	515.6	580.2	643.7	708.2
Percent of gross national product.....	11.8	12.5	13.1	13.7	13.8	14.6	15.1	15.4	16.1	16.5
Hotels and other lodging places.....	6.3	10.1	17.4	18.9	20.4	21.7	24.3	27.0	29.5	31.9
Personal services.....	9.3	11.4	17.0	18.8	19.5	21.3	23.1	25.0	29.1	31.1
Business services .....	18.0	30.6	59.1	68.8	79.9	90.7	104.8	125.3	146.3	162.8
Auto repair, services, and garages.....	6.3	11.2	19.6	21.1	23.1	23.5	26.1	29.2	32.7	34.3
Miscellaneous repair services .....	2.7	4.6	7.6	9.2	9.2	9.8	10.8	12.6	12.2	12.6
Motion pictures.....	2.3	3.1	5.0	5.0	5.5	6.3	8.8	7.3	8.2	8.5
Amusement and recreation services.....	4.8	7.7	11.5	12.4	14.0	15.1	16.8	17.6	20.2	21.4
Health services.....	31.4	57.8	93.1	108.1	124.7	142.0	156.1	169.0	183.6	198.6
Legal services .....	7.3	12.5	20.1	23.3	25.9	30.8	35.0	41.6	46.3	52.3
Educational services.....	7.1	11.4	14.4	16.0	17.5	19.1	21.0	23.5	25.2	26.7
Social services and membership organizations .....	10.0	15.9	23.5	26.3	28.4	30.5	32.8	35.7	37.9	40.5
Miscellaneous professional services.....	10.3	18.8	33.9	39.6	47.5	45.7	49.9	56.9	64.1	70.1
Private households .....	4.5	4.6	6.5	6.6	7.0	7.6	8.2	8.9	9.0	9.3
<b>CONSTANT (1982) DOLLARS</b>										
Wholesale and retail trade .....	367.6	438.1	511.7	500.4	507.3	506.5	529.0	578.9	612.2	644.6
Percent of gross national product.....	15.2	16.1	16.0	15.7	15.6	16.0	16.1	16.5	17.0	17.4
Wholesale trade .....	152.0	185.6	217.3	213.5	218.4	219.0	222.0	250.6	268.9	282.4
Retail trade .....	215.6	247.5	294.4	286.9	288.9	267.5	307.0	328.3	343.3	362.2
Services .....	295.7	352.4	429.8	442.8	462.5	463.8	486.6	514.0	541.3	584.9
Percent of gross national product.....	12.2	13.1	13.5	13.9	14.2	14.6	14.8	14.7	15.0	15.2
Hotels and other lodging places.....	17.1	19.2	23.1	22.6	22.3	21.7	22.5	22.9	23.2	22.9
Personal services.....	22.9	21.1	22.3	22.2	21.0	21.3	21.6	22.4	24.6	25.6
Business services .....	47.5	57.1	78.8	84.0	88.5	90.7	100.0	111.0	120.7	129.8
Auto repair, services, and garages.....	14.9	19.2	25.0	24.4	24.5	23.5	25.2	27.3	29.2	30.1
Miscellaneous repair services .....	5.9	7.4	8.9	8.8	9.7	9.6	9.7	10.2	10.3	10.2
Motion pictures.....	4.8	5.2	6.1	5.7	5.8	6.3	6.2	6.3	6.7	6.9
Amusement and recreation services.....	9.2	11.3	13.6	13.7	14.7	15.1	16.1	16.4	18.0	18.2
Health services.....	77.8	103.5	123.5	129.4	137.7	142.0	146.7	153.1	158.9	166.0
Legal services .....	23.2	24.7	26.8	26.9	30.6	30.6	31.6	32.8	35.0	36.9
Educational services.....	14.6	16.6	17.6	18.1	18.6	19.1	19.8	20.6	21.2	21.4
Social services and membership organizations .....	22.1	25.7	29.4	30.2	30.5	30.5	31.1	32.3	32.9	34.2
Miscellaneous professional services.....	24.4	33.0	45.0	47.1	51.3	45.7	47.7	49.9	51.8	53.7
Private households .....	11.3	8.2	7.8	7.4	7.3	7.6	8.1	8.8	8.6	9.0

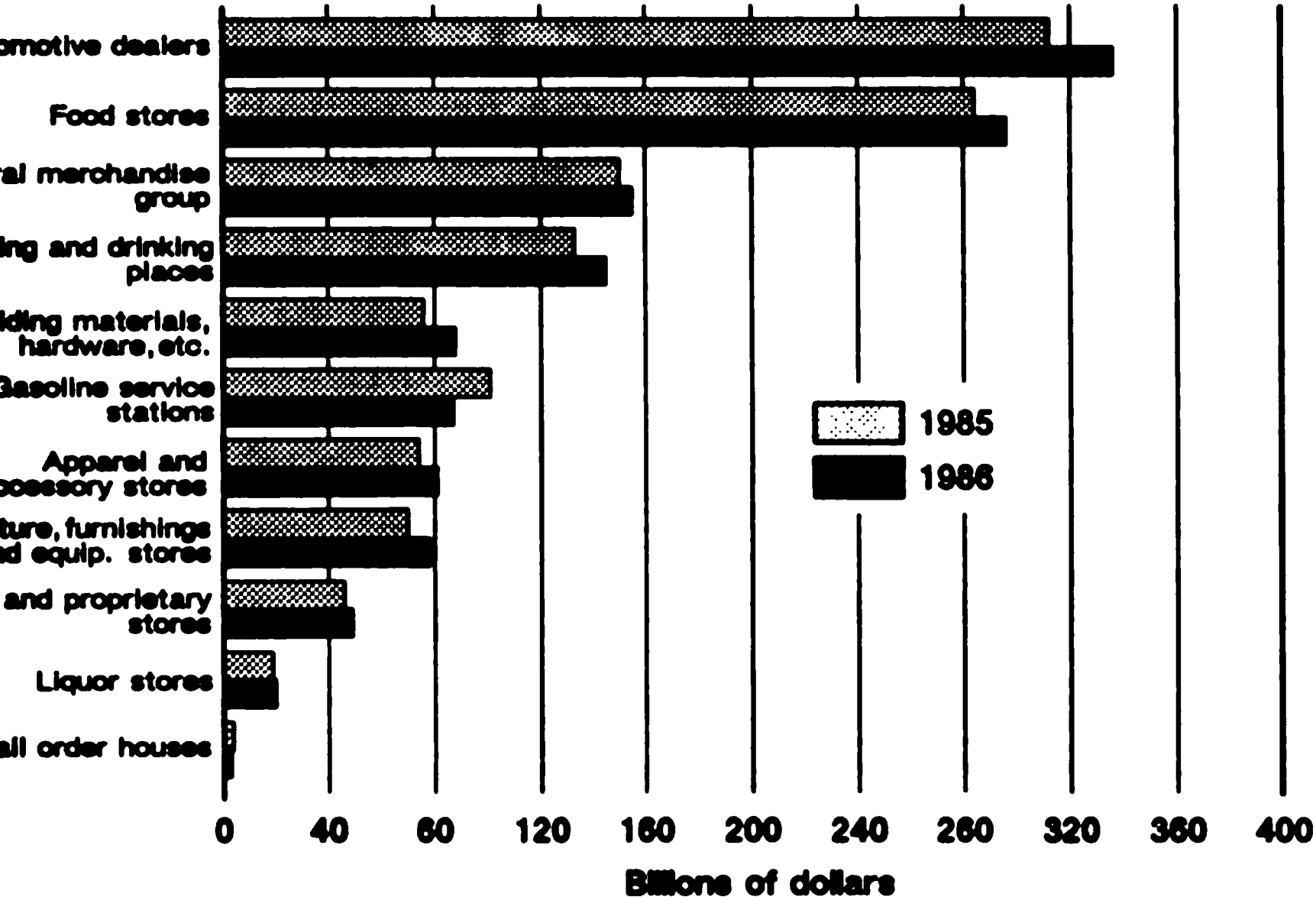
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issue.

Figure 28.1  
Originating in Domestic Trade and Services,  
Constant (1982) Dollars: 1970 to 1986  
in billions of dollars



Source: National Product.  
Note: Chart prepared by U.S. Bureau of the Census. For data see table 1296.

Figure 28.2  
Retail Store Sales by Kind of Business: 1985 and 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1306.

No. 1289. PERSONS WORKING IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1970 TO 1986

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to the unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1978	1979	1980	1981	1982	1983	1984	1985	1986
Wholesale and retail.....	14,889	16,500	19,425	19,395	19,604	19,419	19,815	21,038	21,749	22,221
Wholesale trade .....	4,123	4,521	5,339	5,396	5,522	5,499	5,409	5,697	5,805	5,849
Retail trade.....	10,766	11,979	14,086	13,999	14,082	14,010	14,406	15,341	15,944	16,372
Services .....	13,390	15,650	18,849	19,526	20,230	20,729	21,571	22,895	23,925	24,794
Hotels and other lodging places .....	1,003	1,117	1,234	1,261	1,310	1,340	1,382	1,461	1,573	1,605
Personal services .....	1,341	1,182	1,322	1,330	1,337	1,334	1,379	1,443	1,503	1,529
Business services.....	1,666	2,054	2,882	3,077	3,251	3,345	3,703	4,273	4,646	5,012
Auto repair, services, garages.....	508	636	836	838	865	999	927	1,022	1,090	1,129
Miscellaneous repair services .....	316	399	480	475	519	515	523	548	555	546
Motion pictures .....	181	217	255	249	268	268	274	280	283	294
Amusement, recreational services.....	402	520	647	683	695	702	717	747	753	764
Health services.....	2,905	4,114	4,983	5,218	5,481	5,677	5,821	5,972	6,146	6,340
Legal services.....	401	501	660	690	732	786	830	863	923	965
Educational services.....	1,001	1,151	1,204	1,241	1,277	1,311	1,390	1,414	1,453	1,484
Social services and membership organizations.....	1,756	2,025	2,302	2,361	2,373	2,362	2,470	2,545	2,606	2,724
Miscellaneous professional services .....	746	939	1,261	1,346	1,402	1,435	1,447	1,541	1,632	1,679
Private households.....	1,154	793	803	755	740	727	738	766	760	769

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 1300. RETAIL TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total.....	1,000.....	(NA)	(NA)	1,532	1,577	1,655	1,567	1,573
Multunit establishments <sup>1</sup> .....	1,000.....	167	<sup>2</sup> 183	220	220	301	343	415
Establishments, total.....	1,000.....	1,722	1,795	1,708	1,783	1,780	1,855	1,923
With payroll.....	1,000.....	1,124	1,185	1,206	1,192	1,265	1,304	1,330
With sales of \$1,000,000 or more.....	1,000.....	(NA)	(NA)	(NA)	(NA)	74	119	193
Consumer Price Index: <sup>3</sup>								
All items.....	1967 = 100..	80.5	66.6	91.7	100.0	125.3	161.5	209.1
All commodities.....	1967 = 100..	85.9	90.6	93.6	100.0	120.9	174.7	263.8
Sales.....	Bil. dol.....	170.0	200.4	244.2	310.2	457.4	723.1	1,085.9
By establishments with payroll.....	Bil. dol.....	157.9	187.6	233.1	295.2	440.2	699.6	1,039.0
By multunit establishments <sup>1</sup> .....	Bil. dol.....	51.2	<sup>2</sup> 67.2	89.5	123.5	201.8	340.7	586.7
Percent of total sales .....	Percent.....	30.1	33.5	36.6	39.8	44.0	47.1	53.2
Percent of multunit sales by 101-or-more establishment multunits <sup>1 4</sup> .....	Percent.....	41.8	42.4	43.1	46.7	55.8	55.8	54.5
In 1982 dollars <sup>5</sup> .....	Bil. dol.....	(NA)	(NA)	645.0	783.9	943.3	1,054.2	1,085.9
Percent of sales by corporations.....	Percent.....	48.4	53.0	61.9	67.4	76.4	79.8	84.6
Per capita sales: <sup>6</sup>								
Current dollars.....	Dollars.....	1,055	1,156	1,296	1,571	2,189	3,291	4,599
Constant (1982) dollars <sup>5</sup> .....	Dollars.....	(NA)	(NA)	3,423	3,899	4,506	4,798	4,599
Sales as percent of personal income .....	Percent.....	58.6	<sup>2</sup> 55.5	52.4	49.3	48.1	46.9	41.5
Sales, inside SMSAs <sup>7</sup> .....	Bil. dol.....	(NA)	<sup>2</sup> 133.0	169.8	221.4	(NA)	551.8	845.0
Percent of total sales .....	Percent.....	(NA)	66.4	89.5	71.4	(NA)	76.3	79.3
Payroll, entire year.....	Bil. dol.....	18.2	21.7	27.6	36.2	55.4	85.9	123.6
Percent of sales.....	Percent.....	11.5	<sup>2</sup> 11.5	11.3	11.7	12.1	11.9	11.6
Paid employees, March 12 workweek <sup>8</sup> .....	1,000.....	7,124	7,942	8,410	9,361	11,211	13,040	14,499

NA Not available. <sup>1</sup> Establishments operated by firms which operate at two or more locations. Beginning 1982, includes single units operated by multunit establishments. 1972 and 1977 data revised since originally published. <sup>2</sup> Excludes Alaska and Hawaii. <sup>3</sup> Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. For 1982, CPI-U, see text, section 14. <sup>4</sup> For 1982, data provided for percent of multunit sales by 100-or-more establishment units. <sup>5</sup> Source: U.S. Bureau of Economic Analysis. <sup>6</sup> Based on estimated resident population as of July 1. <sup>7</sup> For definition of SMSA, see Appendix II. <sup>8</sup> 1964-1963 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. I; *1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1, *1977*, RC 77-52 and *1982*, RC 82-A-52 and RC 82-I-1.

# RETAIL TRADE ESTABLISHMENTS—NUMBER, SALES, AND EMPLOYEES, BY KIND OF BUSINESS: 1977 AND 1982

\* Adjusted for comparable treatment of leased departments between 1977 and 1982. Each kind-of-business includes leased departments classified in that kind of business as if they were separate establishments. See (a, Colonial Times to 1970, series T 79-105 for similar but not comparable data)

KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES <sup>1</sup> (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
<b>Total</b>	<b>1,670.4</b>	<b>1,923.2</b>	<b>720,488</b>	<b>1,066,817</b>	<b>86,417</b>	<b>123,679</b>	<b>1,400</b>	<b>1,400</b>
<b>Food and kindred products</b>								
a. hardware, garden supplies home dealers	80.6	88.6	26,914	60,988	4,372	6,221	471	884
b. supply stores	40.6	40.1	27,123	35,144	2,983	4,179	284	307
c. lawn and garden supply stores	28.6	25.4	6,139	8,727	810	1,113	113	127
d. farm and garden supply stores	18.6	16.5	1,784	3,120	268	368	36	47
e. other	7.6	6.5	3,857	4,003	303	336	27	24
<b>Food group stores</b>	<b>48.9</b>	<b>44.7</b>	<b>87,825</b>	<b>130,414</b>	<b>11,908</b>	<b>14,822</b>	<b>1,086</b>	<b>1,838</b>
a. (incl. leased depts.) <sup>1</sup>	8.6	10.0	75,908	107,183	10,743	(na)	1,844	(na)
b. (excl. leased depts.) <sup>2</sup>	8.6	10.0	71,053	99,170	9,988	12,486	1,519	1,515
c. (incl. leased depts.) <sup>3</sup>	17.4	13.6	5,987	8,211	985	1,085	211	181
d. (excl. leased depts.) <sup>4</sup>	22.7	21.3	9,784	13,033	955	1,241	156	183
<b>Food stores</b>	<b>252.9</b>	<b>241.7</b>	<b>188,444</b>	<b>246,121</b>	<b>14,777</b>	<b>23,830</b>	<b>1,884</b>	<b>2,348</b>
a. food markets	170.0	188.0	148,116	230,886	13,370	21,384	1,884	2,031
b. food stores	17.0	15.5	3,857	5,652	391	583	50	62
c. food stores	20.2	22.2	2,352	3,752	635	979	132	158
d. food stores	7.9	6.5	1,092	1,552	81	135	14	17
e. food stores	9.1	6.9	661	972	78	129	19	23
f. food stores	8.3	7.1	1,258	1,531	127	183	31	27
<b>Food stores</b>	<b>188.7</b>	<b>128.2</b>	<b>180,120</b>	<b>183,515</b>	<b>13,398</b>	<b>18,882</b>	<b>1,119</b>	<b>1,081</b>
a. food stores	30.6	27.2	121,626	154,726	10,274	12,308	790	888
b. food stores	37.0	34.8	8,945	8,207	374	450	42	36
c. food stores	47.7	48.8	13,095	21,156	1,986	3,223	210	245
d. food stores	6.6	5.5	2,587	2,938	248	304	28	23
e. food stores	5.2	3.5	2,696	2,831	207	231	20	16
f. food stores	6.4	5.8	1,960	2,930	214	308	24	27
<b>Food stores</b>	<b>177.8</b>	<b>136.8</b>	<b>68,838</b>	<b>97,440</b>	<b>3,834</b>	<b>4,788</b>	<b>673</b>	<b>804</b>
<b>Food stores</b>	<b>167.8</b>	<b>188.0</b>	<b>37,184</b>	<b>57,818</b>	<b>5,207</b>	<b>7,863</b>	<b>888</b>	<b>979</b>
a. clothing, furnishings	23.1	18.8	7,042	7,803	1,102	1,224	146	123
b. and specialty stores and	56.1	56.5	13,629	22,284	1,902	2,756	353	397
c. food stores	45.7	47.8	12,537	20,413	1,755	2,482	328	383
d. food stores	21.6	23.7	7,972	13,880	1,033	1,671	183	219
e. food stores	33.4	39.4	7,058	11,418	988	1,571	148	189
f. food stores	5.3	6.8	737	1,410	89	172	21	26
<b>Food stores</b>	<b>128.1</b>	<b>131.7</b>	<b>33,315</b>	<b>48,781</b>	<b>4,883</b>	<b>6,387</b>	<b>618</b>	<b>843</b>
a. food stores	40.8	36.3	14,080	17,658	2,084	2,808	220	214
b. food stores	42.0	44.3	6,324	8,436	887	1,320	105	124
c. food stores	17.2	17.1	4,043	5,287	582	721	55	54
d. food stores	17.6	13.9	4,727	5,856	579	887	85	50
e. food stores	38.6	35.2	6,180	13,813	1,023	1,882	124	146
<b>Food stores</b>	<b>388.0</b>	<b>381.7</b>	<b>83,371</b>	<b>104,882</b>	<b>18,437</b>	<b>26,708</b>	<b>3,786</b>	<b>4,886</b>
a. food stores	275.2	301.7	55,670	95,091	14,040	23,987	3,431	4,341
b. food stores	(na)	(na)	(na)	(na)	7,784	12,935	1,884	2,291
c. food stores	(na)	(na)	(na)	(na)	4,488	8,185	1,180	1,810
d. food stores	83.8	80.0	7,700	9,501	1,397	1,721	334	325
<b>Food stores</b>	<b>60.5</b>	<b>62.0</b>	<b>23,381</b>	<b>26,440</b>	<b>3,184</b>	<b>4,888</b>	<b>483</b>	<b>488</b>
<b>Food stores</b>	<b>484.7</b>	<b>588.0</b>	<b>71,278</b>	<b>111,834</b>	<b>6,810</b>	<b>13,822</b>	<b>1,248</b>	<b>1,436</b>
a. food stores	44.6	41.5	13,031	18,145	818	1,310	148	167
b. food stores	49.9	59.0	2,852	4,886	386	730	61	80
c. food stores	188.3	190.0	21,242	35,428	2,775	4,705	447	574
d. food stores	31.8	34.7	4,673	8,012	536	828	77	106
e. food stores	12.7	14.9	1,842	3,288	233	401	43	58
f. food stores	6.4	6.6	1,125	1,581	176	257	28	28
g. food stores	35.4	38.7	5,712	8,829	874	1,433	111	132
h. food stores	16.6	22.0	1,786	3,484	181	325	34	46
i. food stores	5.7	6.7	1,175	1,848	136	225	17	21
j. food stores	34.1	41.4	2,576	5,037	607	884	88	110
k. food stores	2.6	3.2	372	820	55	94	8	11
l. food stores	19.2	21.9	2,888	2,888	254	380	81	82
m. food stores	32.6	32.7	14,445	20,481	2,374	2,842	288	274
n. food stores	11.0	12.2	7,560	11,382	1,110	1,184	128	103
o. food stores	13.5	11.8	3,945	4,824	855	995	73	84
p. food stores	8.4	8.7	2,938	4,175	808	813	88	88
q. food stores	20.3	15.7	10,188	17,059	1,188	1,405	101	95
r. food stores	28.5	34.7	2,413	3,734	467	711	88	104
s. food stores	3.7	3.5	470	824	43	68	8	9
t. food stores	7.8	13.1	533	790	42	80	9	9
u. food stores	88.9	188.0	6,124	10,817	770	1,301	88	127
v. food stores	(na)	(na)	(na)	(na)	272	404	27	24

na. For pay period including March 12. Includes sales from catalog order desks. \* Includes other  
na, not shown separately. \* Revised data not carried to broader kind of business. \* Revised. \* N.E.O.  
na classified.



## NO. 1302. RETAIL TRADE—ESTABLISHMENTS, EMPLOYEES, AND PAYROLL: 1960 TO 1966

(Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III)

SIC code	KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)			Pay- roll (\$ mil.)
		1960	1964	1966	1960	1964	1966	
(G)	Retail trade, total.....	1,222.6	1,408.6	1,466.6	15,048	16,861	16,862	176.1
52	Building materials and garden supplies <sup>2</sup> .....	62.4	68.5	69.5	535	553	585	8.4
521	Lumber and other building materials.....	24.2	26.1	26.3	260	303	322	5.2
523	Paint, glass, and wallpaper stores.....	8.6	9.3	9.3	44	45	46	.7
525	Hardware stores.....	18.4	19.9	19.5	129	129	134	1.5
526	Retail nurseries and garden stores.....	6.3	8.3	8.5	43	50	56	.7
53	General merchandise stores <sup>2</sup> .....	36.9	35.1	35.3	1,965	1,669	1,642	17.9
531	Department stores.....	9.2	9.8	10.0	1,591	1,589	1,515	15.8
533	Variety stores.....	12.4	10.9	10.7	185	150	153	1.1
539	Misc. general merchandise stores.....	14.9	14.2	13.8	178	150	170	1.7
54	Food stores <sup>2</sup> .....	157.6	185.1	182.7	2,225	2,469	2,566	27.7
541	Grocery stores.....	115.0	132.9	130.3	1,917	2,149	2,241	25.9
546	Retail bakeries.....	15.7	19.3	19.0	149	179	174	1.2
55	Automotive dealers and service stations <sup>2</sup> .....	202.3	208.2	200.9	1,745	1,779	1,655	31.4
551	New and used car dealers.....	27.2	28.8	28.1	793	799	839	10.7
553	Auto and home supply stores.....	35.2	43.8	41.2	225	273	264	3.9
554	Gasoline service stations.....	116.9	112.0	105.8	601	580	508	8.7
56	Apparel and accessory stores <sup>2</sup> .....	124.6	130.5	139.3	944	970	1,034	11.2
561	Men's and boys' clothing and furnishings.....	18.1	18.7	15.9	140	115	116	1.4
562	Women's ready-to-wear stores.....	40.0	45.1	44.4	350	344	367	3.1
565	Family clothing stores.....	14.6	17.5	16.8	164	216	221	1.9
566	Shoe stores.....	32.5	37.7	37.3	178	184	184	1.8
57	Furniture and home furnishings stores <sup>2</sup> .....	84.4	96.7	98.0	577	567	631	8.8
571	Furniture and home furnishings stores.....	50.4	55.6	54.3	362	353	363	5.2
5712	Furniture stores.....	29.1	30.0	29.3	236	219	225	3.2
572	Household appliance stores.....	10.0	10.4	9.8	65	61	63	.9
5732	Radio and television stores.....	14.3	22.9	23.2	86	116	140	2.6
58	Eating and drinking places <sup>2</sup> .....	262.5	350.7	351.3	4,492	5,054	5,302	35.1
5812	Eating places.....	217.3	282.4	281.4	4,063	4,662	4,879	32.4
5813	Drinking places.....	54.0	58.1	52.8	319	297	277	1.7
59	Miscellaneous retail <sup>2</sup> .....	260.3	310.9	317.8	1,914	2,021	2,139	23.5
591	Drug stores and proprietary stores.....	46.6	51.2	50.7	499	524	539	5.9
592	Liquor stores.....	26.7	30.4	32.5	140	141	154	1.4
5941	Sporting goods and bicycle shops.....	15.8	20.8	18.3	96	110	104	1.1
5944	Jewelry stores.....	20.2	23.5	23.4	140	191	135	1.7
5947	Gift, novelty, and souvenir stores.....	18.5	23.1	23.0	84	116	120	.9
5951	Mail order houses.....	8.4	7.8	7.1	134	110	114	1.8
5992	Florists.....	18.6	23.6	23.5	99	109	114	.9
	Administrative and auxiliary.....	11.9	12.9	13.0	649	749	775	17.1

<sup>1</sup> Standard Industrial Classification; see text, section 13.<sup>2</sup> Includes industries not shown separately.Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

## NO. 1303. LARGEST RETAILING COMPANIES—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY SALES GROUP: 1960 TO 1966

(Sales, assets, and net income in billions of dollars; employees in thousands; except percent. Excludes large privately owned companies that do not publish sales. Includes all reported data for fiscal years ending not later than January following year stated)

RANK BY SALES GROUP	SALES <sup>1</sup>			ASSETS <sup>2</sup>			NET INCOME <sup>3</sup>			EMPLOYEES <sup>4</sup>		
	1960	1965	1966	1960	1965	1966	1960	1965	1966	1960	1965	1966
50 largest.....	200.8	319.3	325.8	96.3	185.0	188.4	3.9	7.6	7.6	3,340	3,967	3,763
Top 10.....	109.3	185.4	179.9	56.0	114.8	122.2	1.9	3.4	3.9	1,614	1,821	1,950
11th-20th.....	40.6	63.4	66.7	16.4	34.0	23.6	.5	1.3	1.6	581	720	859
21st-30th.....	23.8	41.8	38.0	12.3	25.5	24.7	.7	1.5	1.2	589	784	551
31st-40th.....	15.7	26.7	23.7	7.3	12.5	9.8	.5	.6	.5	324	317	199
41st-50th.....	11.5	19.1	17.3	4.3	8.2	8.1	.3	.8	.3	143	245	205
Percent of total:												
Top 10.....	54.4	52.7	55.3	58.2	56.9	54.9	48.7	44.3	51.3	49.6	46.8	51.8
11th-20th.....	20.2	19.9	20.5	17.0	17.4	12.5	12.3	17.0	21.1	18.2	16.5	22.6
21st-30th.....	11.8	13.1	11.7	12.7	13.1	13.1	18.5	20.2	15.6	17.8	20.2	14.6
31st-40th.....	7.8	8.4	7.3	7.6	6.4	5.2	13.8	6.3	6.6	10.0	8.1	5.3
41st-50th.....	5.7	6.0	5.3	4.5	4.2	4.3	6.6	10.2	3.9	4.4	6.3	5.4

<sup>1</sup> Includes sales of subsidiaries when they are consolidated and sales from discontinued operations.<sup>2</sup> Total assets employed in business at end of fiscal year.<sup>3</sup> After taxes, and extraordinary charges and credits.<sup>4</sup> As of year end, or yearly average.Source: Time, Inc., New York, NY, adapted from *The Fortune Directory*. (Copyright.)

## NO. 1304. RETAIL TRADE SALES—SUMMARY: 1970 TO 1986

reflect use of a new sample of retail stores, based on kind-of-business classifications from the 1982 Census of Retail Trade, which was selected and implemented during 1986. Sales and inventory estimates from the old sample were converted to a level comparable with the new sample. Sales and inventories for leased departments and concessions are tabulated in the kind-of-business category of the leased department or concession. Based on Current Business Survey, see Appendix III. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 245, 246, and 255.]

YEAR	CURRENT DOLLARS							CONSTANT (1982) dollars <sup>4</sup>		
	Total sales (bil. dol.)	Annual percent change <sup>1</sup>	Per capita <sup>2</sup> (dol.)	Index of sales (1982=100)	Durable goods (bil. dol.)	Nondurable goods (bil. dol.)		Total sales (bil. dol.)	Annual percent change <sup>1</sup>	Per capita <sup>2</sup> (dol.)
						Total	Dept. stores <sup>3</sup>			
1970	375.2	6.4	1,839	36.1	114.6	280.3	37.4	822.7	2.5	4,033
1971	414.2	10.4	2,002	38.7	135.4	278.8	41.8	874.7	6.3	4,229
1972	458.5	10.7	2,181	42.9	156.3	302.2	45.9	945.8	8.1	4,519
1973	511.9	11.6	2,422	47.9	177.2	334.7	51.0	990.7	4.8	4,867
1974	542.0	5.9	2,541	50.7	172.9	369.1	53.8	937.4	-5.4	4,384
1975	568.1	8.5	2,730	55.0	185.9	402.2	57.5	944.0	7	4,381
1976	666.4	11.6	3,017	61.4	220.4	435.0	63.5	1,007.2	6.7	4,829
1977	722.5	10.1	3,266	67.6	249.4	473.1	71.1	1,063.3	4.6	4,793
1978	804.2	11.3	3,621	75.2	281.4	522.7	78.0	1,086.0	4.1	4,935
1979	886.8	11.5	3,993	83.9	307.5	589.2	82.5	1,112.8	1.5	4,866
1980	957.3	8.0	4,212	89.5	300.2	657.1	86.2	1,079.3	-3.5	4,729
1981	1,039.7	8.5	4,523	97.1	328.2	712.4	95.8	1,077.4	.4	4,662
1982	1,069.3	2.9	4,609	100.0	336.0	731.2	99.2	1,069.3	-.8	4,609
1983	1,171.2	9.5	4,809	109.5	397.9	773.3	107.9	1,146.5	7.2	4,894
1984	1,289.4	10.1	5,452	120.6	447.8	822.0	119.6	1,230.2	7.3	5,202
1985	1,379.6	7.0	5,779	129.0	516.0	861.6	125.4	1,290.9	4.9	5,407
1986	1,454.4	5.4	6,033	136.0	568.1	886.4	131.0	1,369.5	5.3	5,639

Change from immediate prior year. <sup>2</sup> Based on Bureau of the Census estimates of resident population as of July 1. Excludes leased departments. <sup>3</sup> Based on implicit price deflators for retail sales supplied by U.S. Bureau of Economic Analysis.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1977* and *December 1986*, (BR-13-866) and unpublished data.

## NO. 1305. RETAIL TRADE—SALES, BY KIND OF BUSINESS: 1970 TO 1986

Billions of dollars. Based on 1972 Standard Industrial Classification. See headnote, table 1304. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271.]

<sup>1</sup> code	KIND OF BUSINESS	1970	1975	1980	1981	1982	1983	1984	1985	1986
	Retail trade, total	375.2	568.1	857.3	1,039.7	1,069.3	1,171.2	1,289.4	1,379.6	1,454.4
	Durable goods stores, total <sup>2</sup>	114.6	185.9	306.2	328.2	336.0	397.9	467.4	516.0	568.1
554	Automotive dealers	65.2	107.3	184.7	182.7	193.5	233.1	278.9	311.9	335.8
2,5,8,7,9	Motor vehicle, misc. automotive dealers	59.2	97.3	148.2	182.3	172.4	209.6	254.6	285.5	309.2
551.2	Motor vehicle dealers	57.2	89.5	137.7	153.0	162.9	200.0	241.4	271.5	294.2
551	Motor vehicle dealers, franchised	54.3	84.9	130.5	144.5	154.7	189.7	230.8	260.4	283.2
563	Auto and home supply stores	8.0	10.1	18.5	20.4	21.2	23.2	24.3	26.4	29.6
52	Building materials, hardware, garden supply, mobile home dealers <sup>2</sup>	18.1	27.3	50.8	52.2	51.0	59.7	69.6	75.6	86.1
521.3	Building materials, supply stores	11.3	17.9	35.0	35.7	35.1	42.4	50.0	55.7	65.6
525	Hardware stores	3.0	5.2	6.3	8.5	8.7	9.1	10.3	10.4	10.7
57	Furniture, home furnishings, equipment <sup>2</sup>	17.0	27.0	44.2	48.9	46.8	55.0	62.2	66.6	78.5
571	Furniture, home furnishings stores	10.4	16.5	26.3	27.5	27.1	31.1	35.1	37.5	41.6
5722,32	Household appliance, radio, TV	5.6	8.2	14.0	15.4	15.6	19.6	22.7	27.4	31.1
	Nondurable goods stores, total <sup>2</sup>	280.3	402.2	551.1	712.4	731.2	773.3	822.0	861.6	886.4
56	Apparel and accessory stores <sup>2</sup>	22.1	32.4	50.4	55.7	57.8	63.0	67.9	74.3	80.8
561	Men's, boys clothing, furnishings	4.5	6.6	7.7	7.9	7.8	8.1	8.4	8.8	9.6
562,3,6	Women's clothing, specialty stores, furriers	5.2	12.4	18.7	20.7	22.3	24.6	27.5	30.9	33.9
562	Women's ready-to-wear stores	7.1	11.4	17.0	18.8	20.4	22.7	24.8	27.9	30.8
566	Family clothing stores	4.4	6.7	10.8	12.3	13.7	15.3	16.2	17.4	18.6
566	Shoe stores	4.5	5.8	10.5	11.8	11.4	12.2	12.9	14.0	14.9
561	Drug and proprietary stores	14.6	20.0	31.0	34.0	36.4	40.4	43.5	48.2	49.3
58	Eating and drinking places	30.5	51.1	90.1	98.1	104.6	114.9	124.7	133.5	145.0
5612	Eating places	25.5	44.4	80.4	86.2	95.1	106.2	114.8	122.9	133.4
54	Food stores	90.0	136.7	220.2	236.2	248.1	255.7	271.3	284.0	298.0
541	Grocery stores	82.6	129.1	205.6	220.6	230.7	239.6	254.9	267.0	278.5
554	Gasoline service stations	29.9	47.6	94.1	103.1	97.4	99.2	99.8	101.3	98.6
53	General merchandise group stores	49.1	73.7	108.6	117.3	120.4	130.3	143.1	148.6	155.3
531	Department stores <sup>2</sup>	37.4	57.5	86.2	95.8	99.2	107.9	119.6	125.4	131.9
533	Variety stores	6.1	7.9	7.6	6.2	6.2	6.5	9.0	8.9	8.4
539	Misc. gen. merchandise group stores <sup>2</sup>	5.7	6.3	12.6	13.3	13.0	14.0	14.5	15.3	14.9
582	Liquor stores	8.4	11.9	16.9	17.7	18.1	19.1	18.2	19.5	19.8
586	Non-store retailers	9.1	13.4	22.8	23.6	23.8	24.7	26.4	25.9	28.7
5861 pt.	Mail-order houses (department store merchandise)	1.8	2.6	4.3	4.3	4.3	4.3	4.8	4.2	3.3

Standard Industrial Classification Code; see text, section 19. <sup>2</sup> Includes kinds of business, not shown separately. Excludes leased departments. <sup>3</sup> Includes catalog showroom stores.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1977* and *December 1986*, (BR-13-866) and unpublished data.

### No. 1306. RETAIL TRADE—SALES OF MULTIUNIT ORGANIZATIONS, BY KIND OF BUSINESS: 1960 TO 1966

(Data based on sales of companies which had 11 or more retail establishments according to the most recent update of multieestablishment files selected with certainty (i.e., their sales size exceeded specified dollar volume cutoffs which varied by kind of business). For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 187-219.)

SIC <sup>1</sup> code	KIND OF BUSINESS	SALES (bil. dol.)					PERCENT OF TOTAL RETAIL SALES		
		1960	1963	1964	1965	1966	1966	1965	1964
	<b>Total sales</b> .....	365.7	436.4	474.0	486.6	619.9	37.2	36.2	36.7
553	Durable goods stores.....	34.3	45.0	51.5	55.5	51.5	11.4	10.7	10.3
	Auto and home supply stores.....	4.8	5.3	5.5	5.0	5.5	25.7	22.6	25.4
	<b>Nondurable goods stores<sup>2</sup></b> .....	221.4	263.4	322.8	444.0	438.4	48.9	51.5	51.7
56	Apparel and accessory stores <sup>2</sup> .....	21.5	30.5	33.8	38.0	42.2	42.7	51.1	52.2
562,3,5	Women's ready-to-wear, accessory and fur.....	8.8	12.1	13.5	15.8	17.9	48.8	51.2	52.3
568	Shoe stores.....	5.3	6.9	7.4	8.1	8.1	50.7	56.0	60.7
591	Drug and proprietary stores.....	15.8	23.1	25.7	27.2	26.4	54.3	58.6	57.6
54	Food stores.....	119.8	142.3	150.5	158.2	164.6	54.4	55.7	55.6
541	Grocery stores.....	118.1	139.9	148.1	155.8	161.8	57.4	58.3	58.1
53	General merchandise group.....	96.5	120.4	132.7	138.7	144.8	60.5	62.7	63.2
531	Department stores.....	82.8	104.3	115.7	121.4	126.0	65.1	65.8	67.9
533	Variety stores.....	8.3	7.0	7.3	7.3	8.8	60.9	62.7	62.1
539	Misc. general merchandise group stores.....	7.3	9.1	10.0	9.9	10.1	58.1	64.8	67.8
5812	Eating places.....	22.6	28.6	31.5	33.6	36.0	28.1	27.3	27.8

<sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade Reports*.

### No. 1307. RETAIL TRADE—MERCHANDISE INVENTORIES AND SALES-INVENTORY RATIOS, BY KIND OF BUSINESS: 1960 TO 1966

(As of Dec. 31. Includes warehouses. See headnote, table 1304.)

SIC <sup>1</sup> code	KIND OF BUSINESS	INVENTORIES AT COST <sup>2</sup> (bil. dol.)				SALES-INVENTORY RATIOS <sup>3</sup>			
		1960	1964	1965	1966	1960	1964	1965	1966
	<b>Total</b> .....	117.8	181.1	174.1	181.4	8.1	6.0	7.9	8.6
	<b>Total (excluding automotive dealers)</b> .....	92.1	121.7	127.8	133.2	6.8	6.3	6.4	6.4
55 exc. 554	Durable goods stores <sup>4</sup> .....	58.6	79.4	86.3	82.3	5.4	5.8	5.5	6.1
551,2,5,6,7,9	Automotive dealers.....	25.8	39.4	46.8	48.2	6.4	7.1	6.7	7.0
551,2	Motor vehicle and misc. automotive dealers.....	22.1	35.1	41.8	(NA)	6.5	7.3	6.8	(NA)
551	Motor vehicle dealers.....	18.8	31.7	38.2	(NA)	7.0	7.8	7.1	(NA)
551	Motor vehicle dealers (franchised).....	19.0	30.3	36.8	(NA)	6.9	7.6	7.1	(NA)
553	Automotive and home supply stores.....	3.8	4.3	4.7	5.0	5.1	5.6	5.8	6.3
52	Building materials, hardware, garden supplies, mobile home dealers.....	9.3	12.7	13.8	14.1	5.5	5.5	5.5	6.3
521,3,5	Building materials, supply, hardware stores.....	7.8	10.7	11.7	(NA)	5.5	5.7	5.8	(NA)
521,3	Building materials and supply stores.....	5.7	7.9	9.0	(NA)	6.1	6.3	6.2	(NA)
525	Hardware stores.....	2.2	2.8	2.7	(NA)	3.8	3.7	3.8	(NA)
57	Furniture, home furnishings, equipment stores <sup>5</sup> .....	9.1	12.2	13.4	14.6	4.9	5.1	5.2	5.4
571	Furniture, home furnishings.....	5.2	6.6	7.0	(NA)	5.0	5.3	5.4	(NA)
5712	Furniture stores.....	3.9	4.5	4.8	(NA)	4.6	4.9	4.9	(NA)
5722,32	Household appliance, radio, TV.....	2.8	4.4	5.1	(NA)	5.0	5.2	5.4	(NA)
5722	Household appliance stores.....	1.0	1.2	1.5	(NA)	5.7	6.3	6.1	(NA)
5844	Jewelry stores.....	3.6	4.5	4.8	(NA)	2.3	2.4	2.5	(NA)
	<b>Nondurable goods stores<sup>4</sup></b> .....	62.4	81.7	84.9	88.9	10.5	10.1	10.2	10.1
56	Apparel and accessory stores <sup>4</sup> .....	10.8	14.6	15.9	16.2	4.8	4.8	4.7	5.0
561	Men's, boys' clothing, furnishings.....	1.9	2.1	2.2	(NA)	4.0	4.1	4.1	(NA)
562,3,8	Women's ready-to-wear, accessory and fur stores.....	3.0	5.0	5.2	(NA)	6.2	5.5	5.9	(NA)
565	Family clothing stores.....	2.3	3.6	3.8	(NA)	4.8	4.5	4.6	(NA)
568	Shoe stores.....	2.6	3.9	3.9	(NA)	3.8	3.9	3.6	(NA)
591	Drug and proprietary stores.....	5.6	7.8	8.5	8.4	5.6	5.8	5.5	5.9
58	Eating and drinking places.....	2.0	2.4	2.7	(NA)	44.2	51.0	48.7	(NA)
54	Food stores.....	13.6	17.3	18.6	18.4	16.2	15.7	15.3	15.3
541	Grocery stores.....	13.0	16.8	17.9	18.8	15.8	15.4	14.9	15.0
554	Gasoline service stations.....	3.0	2.6	2.6	2.6	31.7	37.6	36.1	33.1
53	General merchandise group stores.....	20.4	29.0	28.6	29.3	5.2	4.9	5.2	5.3
531,4	Dept. stores, misc. general merchandise stores.....	18.4	26.8	26.4	(NA)	5.4	5.0	5.3	(NA)
531	Department stores.....	15.4	23.0	22.6	23.7	5.8	5.2	5.6	5.6
533	Variety stores.....	2.0	2.4	2.3	(NA)	3.9	3.7	3.9	(NA)
592	Liquor stores.....	2.0	1.9	2.1	(NA)	8.4	9.5	9.4	(NA)

NA Not available. <sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> Excludes supplies and equipment used in store and warehouse operations that are not for resale. Not adjusted for seasonal variation. <sup>3</sup> Relative annual sales to year-end inventories. <sup>4</sup> Includes kinds of businesses not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade Reports*.

## NO. 1308. RETAIL TRADE—SALES BY BROAD MERCHANDISE LINES: 1977 AND 1982

[establishments with payroll. For details on restructuring merchandise lines between 1977 and 1982, see source]

MERCHANDISE LINE	1977			1982			
	Estab- lish- ments (1,000)	Sales (mil. dol.)	Per- cent of sales	Estab- lish- ments (1,000)	Sales of specified lines		
					Total (mil. dol.)	As percent of total sales	
						Estab- lish- ments handling line	All estab- lish- ments
All trade, total <sup>1</sup>	2,184	888,835	100.0	2,180	7,038,029	(X)	100.0
Food and other foods	271	137,508	15.7	287	198,705	51.8	19.1
meats	341	54,735	7.8	381	82,877	40.9	8.9
fish	138	9,998	1.4	140	14,865	33.1	1.4
alcoholic beverages	136	18,184	2.3	157	25,633	13.5	2.5
cigars, and tobacco	231	8,475	1.2	241	14,884	4.9	1.4
skin and beauty aids	(NA)	23,783	3.4	187	42,337	12.4	4.1
boys' wear, except footwear	108	22,740	3.3	104	29,481	17.7	2.8
and girls' wear, except footwear	139	38,527	5.2	148	57,553	30.8	5.5
except infants' and toddlers'	98	10,850	1.5	112	17,017	12.3	1.8
lingerie and needlework goods	82	10,011	1.4	45	4,132	3.9	.4
lingeries, and dry goods				85	8,885	6.4	.9
household appliances	72	9,179	1.9	81	11,337	10.1	1.1
radio appliances	82	2,849	.4	70	4,381	2.7	.4
radio recorders and tapes	85	4,128	.8	69	6,841	6.1	.7
instrument and musical instruments and supplies	89	8,191	1.3	74	11,278	8.2	1.1
and sleep equipment	72	14,885	2.1	68	19,085	14.4	1.8
clothing	88	5,770	.8	57	8,908	6.2	.7
and home furnishings	137	9,881	1.4	150	15,842	8.3	1.5
clothing	111	8,151	1.2	86	12,138	8.1	1.2
clothing	21	1,851	.2	21	1,851	4.3	.2
clothing	80	9,451	1.4	70	13,038	11.4	1.3
at vehicles	13	3,234	.5	8	2,867	20.8	.3
tools, and plumbing and electrical supplies	94	8,555	1.2	103	13,976	6.2	1.3
garden equipment and supplies	99	7,217	1.0	95	11,188	7.5	1.1
building materials	80	28,786	3.8	74	32,179	28.1	3.1
gas	(NA)	(NA)	(NA)	5	3,785	90.8	.4
and powered vehicles	58	112,286	16.0	48	139,887	83.9	13.4
fuels	211	48,736	7.0	188	89,288	83.9	8.8
lubricants				157	2,880	1.1	.3
tires, batteries, and accessories	185	21,196	3.0	188	31,050	10.3	3.0
tires	23	8,923	1.3	21	14,781	65.5	1.4
refuse receipts	282	20,824	3.0	248	30,365	8.8	2.8

available. X Not applicable. <sup>1</sup> Includes unclassified and all other merchandise, not shown separately.  
 do not add to total because establishments may carry more than one merchandise line.

U.S. Bureau of the Census, *Census of Retail Trade, 1977*, and *1982, Merchandise Line Sales, RC77-1 and RC82-1-3*.

## 1308. COMMERCIAL AND INSTITUTIONAL GROUPS—FOOD AND DRINK SALES: 1970 TO 1987

[millions. Data refer to sales to consumers of food and alcoholic beverages. Sales are estimated. For details, see source]

TYPE OF GROUP	Num- ber, 1986	SALES (mil. dol.)							
		1970	1980	1982	1983	1984	1985	1986 <sup>1</sup>	1987 <sup>1</sup>
All	117,888	42,188	118,004	138,723	151,358	164,128	173,888	184,883	198,482
Foodservice <sup>2</sup>	446,891	34,828	101,529	119,982	131,288	143,285	152,884	162,921	174,079
bars	285,228	21,514	72,276	86,652	95,267	104,521	111,598	119,021	127,115
cafes, lunchrooms	125,688	13,348	39,307	46,443	50,530	55,112	58,444	62,222	66,142
fast-food restaurants <sup>3</sup>	121,645	8,180	28,888	35,357	39,484	43,718	47,181	50,475	54,280
cafeterias	32,308	5,008	7,785	7,912	8,157	8,255	8,428	8,502	8,757
restaurants	9,026	2,442	6,818	7,708	8,242	8,807	9,480	9,988	10,618
factories and industrial plants	(NA)	915	2,121	2,258	2,384	2,618	2,721	2,811	2,948
schools and universities	(NA)	486	1,140	1,407	1,494	1,812	1,738	1,848	1,984
clubs	26,183	2,585	6,788	8,288	9,185	10,025	10,888	11,488	12,271
restaurants	15,388	1,554	4,984	6,412	7,302	8,110	8,748	9,488	10,203
restaurants	9,013	843	1,151	1,188	1,158	1,190	1,209	1,244	1,275
etc.	104,218	1,852	3,284	4,108	4,880	5,385	6,188	7,085	8,082
grocery stores	40,888	188	830	1,287	1,554	1,858	2,488	(NA)	(NA)
store restaurants	4,932	424	857	943	1,008	1,080	1,052	(NA)	(NA)
gas service stations	29,825	108	482	712	880	1,048	1,291	(NA)	(NA)
air and sports	8,842	514	1,452	1,858	1,822	1,808	(NA)	2,117	2,242
foodservice <sup>2</sup>	171,008	7,370	17,475	19,731	20,888	20,881	21,025	21,771	22,413
foodservice	8,287	888	1,638	1,733	1,787	1,804	1,971	2,014	2,088
hotel and commercial organizations	3,848	581	1,377	1,458	1,505	1,630	1,882	(NA)	(NA)
retail foodservice	94,103	2,102	4,810	5,848	5,508	5,748	5,978	6,108	6,310
primary and secondary schools	91,453	1,183	2,312	2,484	2,577	2,780	2,919	3,017	3,142
etc.	8,820	2,991	8,868	7,841	7,375	7,381	7,104	7,228	7,244
etc.	28,328	648	1,521	1,735	1,888	1,981	2,077	2,151	2,223
etc.	10,310	525	1,058	1,275	1,381	1,457	1,537	(NA)	(NA)

available. <sup>1</sup> Projection. <sup>2</sup> Includes other types of groups, not shown separately. <sup>3</sup> Data for establishments  
 1. <sup>4</sup> Fast-food restaurants. <sup>5</sup> For establishments serving food.

National Restaurant Association, Washington, DC, *Foodservice Numbers: A Statistical Digest for the Foodservice*  
 Council, and 1987 National Restaurant Association Foodservice Industry Forecast, December 1986. Copyright.

## No. 1319. RETAIL SALES—BY TYPE OF

[In millions of dollars]

DIVISION AND STATE	TOTAL <sup>1</sup>		FOOD STORES				GENERAL MERCHANDISE STORES				AUTOMOTIVE DEALERS	
	1982	1988	Total		Supermarkets		Total		Department stores		1982	1988
			1982	1988	1982	1988	1982	1988	1982	1988		
U.S.	1,585,918	1,478,178	248,468	302,278	221,008	283,918	120,528	171,808	98,188	143,488	103,888	337,488
NE	82,088	97,882	13,828	19,871	12,488	18,041	8,174	10,147	5,178	8,888	10,388	20,981
ME	5,332	8,050	1,311	1,822	1,247	1,738	468	718	341	544	933	1,788
NH	5,354	8,588	1,278	1,887	1,208	1,792	527	880	415	718	982	1,838
VT	2,801	3,952	812	888	588	832	173	288	120	180	473	832
MA	28,818	48,334	8,008	8,880	5,371	7,975	3,000	4,822	2,538	4,248	4,851	8,888
RI	4,183	8,188	923	1,287	802	1,103	448	717	387	828	833	1,221
CT	15,828	24,481	3,500	4,937	3,251	4,800	1,561	2,634	1,378	2,384	2,708	5,428
N.A.	188,348	224,482	38,878	48,818	34,238	43,194	17,881	24,388	14,742	21,188	24,888	48,213
NY	72,287	102,543	17,448	22,451	15,381	18,780	7,812	10,777	8,288	11,488	9,858	18,888
NJ	38,307	52,888	8,810	11,188	7,838	10,188	3,837	5,281	3,183	4,884	8,208	11,878
PA	50,778	68,952	12,022	14,401	11,020	13,218	8,131	8,297	5,283	7,294	8,774	15,778
E.N.C.	188,888	243,787	40,118	48,278	37,488	43,328	22,118	30,458	18,881	28,887	32,388	67,138
OH	48,318	62,837	11,148	12,773	10,447	12,003	8,158	8,847	5,380	7,843	7,981	14,238
IN	23,724	33,187	5,288	8,388	5,023	8,058	2,878	3,888	2,252	3,303	4,410	8,128
IL	50,747	68,888	10,881	11,988	8,844	11,204	5,921	7,805	5,881	8,818	8,858	15,338
MI	38,218	55,888	8,818	10,118	7,838	9,328	4,944	7,115	4,437	6,488	7,521	13,718
WI	20,554	28,888	4,584	5,038	4,307	4,738	2,420	3,202	1,970	2,838	3,484	5,718
W.N.C.	78,884	108,383	18,878	22,083	18,834	21,811	9,183	13,387	7,388	11,848	14,948	27,188
MD	18,888	28,844	3,822	5,327	3,678	5,008	2,258	3,481	1,884	2,982	3,542	6,774
IA	12,848	18,025	3,012	3,887	2,877	3,515	1,388	1,800	1,088	1,482	2,374	3,847
MO	21,858	31,873	4,888	6,587	4,688	6,303	2,790	4,252	2,402	3,724	4,083	8,137
ND	3,387	4,330	878	735	547	888	348	481	288	388	828	1,380
SD	2,888	3,983	817	788	588	748	258	387	188	287	588	888
NE	6,888	9,215	1,488	1,770	1,387	1,888	787	1,118	688	834	1,321	2,180
KS	10,842	14,803	2,402	3,172	2,304	3,052	1,288	1,788	888	1,381	2,222	3,878
S.A.	178,378	253,774	41,348	48,888	38,223	47,281	18,821	28,528	15,412	22,047	23,387	84,888
DE	3,131	4,504	878	831	820	780	418	633	380	553	525	1,037
MD	20,883	30,208	4,888	5,718	4,344	5,307	2,458	3,454	2,117	3,028	3,781	7,843
DC	2,884	3,383	488	581	450	538	225	313	188	270	127	188
VA	24,708	35,450	5,843	7,013	5,580	6,714	2,881	4,180	2,237	3,321	4,588	8,822
WV	7,521	9,917	2,022	2,208	1,954	2,140	1,088	1,382	787	1,120	1,351	2,487
NC	25,008	38,514	8,207	7,520	6,010	7,308	2,508	3,825	1,888	2,888	4,778	9,240
SC	12,488	18,270	3,180	3,880	3,088	3,880	1,244	1,888	908	1,410	2,218	4,388
GA	24,408	38,884	5,882	7,048	5,388	6,788	2,784	4,347	2,200	3,558	4,828	9,342
FL	55,488	78,838	12,831	14,888	11,788	13,778	8,017	8,487	4,838	7,120	11,348	21,813
E.S.C.	57,781	78,884	14,488	17,187	13,878	18,841	8,888	10,808	5,118	7,747	11,088	18,127
KY	14,572	18,787	3,888	4,178	3,508	4,007	1,757	2,338	1,388	1,878	2,511	4,178
TN	19,805	28,834	4,720	5,881	4,587	5,804	2,383	3,818	1,828	3,108	3,832	7,122
AL	14,480	19,148	3,708	4,178	3,588	4,064	1,883	2,280	1,180	1,677	2,874	4,888
MS	9,044	12,225	2,387	2,832	2,304	2,788	1,177	1,674	728	1,084	1,788	2,932
W.S.C.	127,444	188,284	30,830	35,144	28,877	33,882	14,448	18,280	11,418	15,878	27,341	38,817
AR	8,114	11,734	2,130	2,818	2,088	2,548	1,154	1,588	887	1,380	1,978	2,384
LA	19,888	24,428	5,038	5,808	4,854	5,808	2,328	3,032	1,733	2,334	3,770	4,410
OK	18,071	19,882	3,808	4,208	3,883	4,088	1,812	2,458	1,284	1,830	3,713	4,331
TX	82,274	103,412	19,858	22,512	18,288	21,848	9,148	12,203	7,424	10,888	17,880	22,882
Mt.	58,288	78,377	14,088	17,713	13,838	17,082	8,888	8,783	4,821	7,018	11,253	18,838
MT	3,855	4,717	888	1,117	818	1,077	388	420	188	281	748	828
ID	4,080	4,981	1,088	1,178	1,037	1,148	310	438	203	288	815	1,121
WY	2,818	3,853	838	888	817	838	181	308	87	138	488	788
CO	18,881	22,288	3,784	4,778	3,812	4,802	1,888	2,525	1,423	2,188	3,150	4,281
NM	8,318	8,555	1,823	1,881	1,455	1,784	587	808	413	652	1,274	1,572
AZ	13,884	19,272	3,423	4,482	3,282	4,304	1,481	2,188	1,188	1,783	2,620	3,828
UT	8,327	8,882	1,513	1,871	1,448	1,787	711	1,008	578	818	1,188	1,803
NV	5,343	7,518	1,207	1,588	1,180	1,533	587	882	530	884	857	1,488
Pac.	188,088	230,782	37,838	48,844	36,212	43,818	18,872	25,881	18,218	22,880	28,340	82,388
WA	20,008	28,108	4,888	5,873	4,888	5,818	2,178	2,781	1,838	2,382	3,250	5,738
OR	12,834	18,872	2,738	3,888	2,587	2,940	1,787	2,280	1,384	1,818	2,288	3,737
CA	123,948	177,444	28,383	35,442	28,288	32,888	14,012	19,488	12,327	17,388	21,881	41,043
AK	3,227	4,508	708	888	688	878	338	510	218	348	418	784
HI	5,183	8,828	1,101	1,338	978	1,188	688	822	448	572	551	1,001

<sup>1</sup> Includes other types of stores, not shown separately.<sup>2</sup> Includes hardware dealers.<sup>3</sup> Includes home furnishings stores.

## STORE AND STATE: 1982 AND 1986

Data are estimates

EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS		APPAREL AND ACCESSORIES STORES		BUILDING MATERIALS DEALERS <sup>1</sup>		FURNITURE AND APPLIANCE STORES <sup>2</sup>				DIVISION AND STATE
1982	1986	1982	1986	1982	1986	1982	1986	Total		Furniture		
								1982	1986	1982	1986	
168,883	144,739	87,840	91,888	57,838	77,211	51,146	84,488	47,141	77,167	17,861	24,988	U.S.
6,848	10,832	6,288	6,881	3,548	5,842	2,888	5,422	2,488	4,134	873	1,376	N.E.
425	714	408	458	216	277	311	543	144	240	57	82	ME
428	745	411	444	248	364	337	888	200	378	80	84	NH
223	381	226	241	188	180	178	328	61	138	28	43	VT
3,108	5,552	2,287	2,873	1,783	2,854	1,178	2,315	1,170	888	888	830	MA
404	878	380	408	237	326	178	284	145	248	50	72	Rt
1,457	2,462	888	1,575	838	1,111	675	1,288	688	1,200	230	364	CT
18,888	21,144	12,328	11,484	18,341	14,862	8,087	11,388	7,382	13,183	2,578	3,867	M.A.
7,480	10,581	4,825	4,278	5,285	8,888	2,581	8,888	3,888	6,523	1,242	1,878	NY
3,227	4,464	3,251	3,248	8,888	3,430	1,381	2,513	1,743	3,225	585	814	NJ
4,448	8,118	4,452	3,888	8,888	3,876	2,145	3,878	2,002	3,415	744	1,075	PA
18,183	23,778	18,184	18,948	3,428	12,821	7,882	12,388	7,473	12,118	2,717	3,731	E.M.C.
4,883	6,321	5,408	4,788	1,888	2,472	1,837	2,948	1,888	882	885	885	OH
2,333	3,171	2,788	2,848	1,078	1,438	1,188	1,888	902	1,488	338	478	IN
5,138	6,335	4,718	3,827	3,281	4,251	2,143	3,052	2,203	3,454	828	1,105	IL
3,818	5,271	4,088	3,852	2,248	2,870	1,788	3,055	1,883	2,851	577	885	MI
2,211	2,881	2,171	1,753	851	882	1,046	1,447	877	888	281	338	WI
7,188	8,318	8,438	7,888	3,773	4,351	4,857	8,577	3,143	4,884	1,282	1,887	W.M.C.
1,801	2,418	2,108	2,082	822	1,142	1,221	1,827	778	1,221	282	388	MN
1,137	1,357	1,418	1,234	818	881	788	884	485	888	288	257	IA
2,037	2,777	2,288	2,853	1,015	1,245	1,100	888	822	1,278	308	408	MO
281	320	371	321	174	175	248	305	138	193	67	83	ND
275	341	370	335	147	188	204	277	114	158	53	85	SD
887	888	788	875	352	385	448	848	342	538	185	288	NE
888	1,210	1,104	988	544	574	838	885	487	728	171	888	KB
18,887	23,788	18,382	15,888	8,227	11,888	8,757	14,838	8,388	8,888	3,448	8,881	S.A.
288	378	274	244	188	215	158	278	138	238	52	77	DE
1,844	888	2,037	888	1,128	1,332	781	1,282	851	1,574	335	485	MD
583	746	185	152	241	315	40	63	888	213	58	78	DC
2,152	3,138	2,451	2,245	1,245	1,700	1,083	1,855	1,188	2,074	488	782	VA
544	888	738	758	338	387	455	888	291	405	888	173	WV
2,172	3,188	2,008	2,001	1,388	888	1,523	2,831	1,219	2,088	584	887	NC
1,114	1,878	1,258	1,205	882	949	728	1,305	888	888	278	417	SC
2,283	3,432	2,457	2,442	1,251	888	1,318	2,342	1,050	1,578	441	879	GA
5,819	7,878	4,883	4,533	2,788	3,472	2,881	8,888	2,787	4,582	1,081	1,522	FL
4,741	6,714	5,848	5,384	2,838	3,738	2,883	4,188	2,388	3,881	1,058	1,588	E.S.C.
1,277	1,742	1,828	1,505	642	778	758	1,000	538	854	241	334	KY
1,708	2,558	2,048	2,001	888	1,378	888	1,358	825	1,488	381	585	TN
1,128	1,544	1,237	1,082	857	1,031	783	1,078	583	981	282	404	AL
830	888	733	738	448	552	482	670	338	558	172	283	MS
11,418	18,888	10,418	8,313	7,448	8,877	8,883	12,883	5,717	7,878	888	2,888	W.S.C.
857	988	888	752	478	888	488	888	338	488	188	217	AR
1,843	2,452	1,801	1,488	1,147	1,358	1,171	1,884	932	888	404	488	LA
1,448	2,008	1,174	1,025	958	1,188	845	1,827	730	1,033	303	388	OK
7,470	10,888	6,827	5,870	4,884	5,745	4,381	8,081	3,717	5,155	1,478	1,734	TX
8,888	8,178	6,874	8,888	2,782	3,388	3,438	8,888	2,872	4,278	1,088	1,418	MT
424	478	403	348	201	218	272	382	173	252	61	77	ID
375	888	388	384	178	185	283	385	173	242	80	103	WY
284	400	407	388	138	157	201	315	88	181	38	50	WY
1,854	2,557	1,472	1,488	785	950	888	1,844	788	1,287	278	888	CO
828	873	832	830	328	888	388	842	251	418	115	187	NM
1,428	2,004	1,342	1,487	558	723	885	1,111	888	1,078	248	338	AZ
811	854	875	878	287	351	388	558	315	474	182	204	UT
853	747	875	843	284	345	285	408	208	354	71	100	NV
18,888	25,188	14,411	13,518	8,388	12,874	7,518	11,873	7,788	12,888	2,817	3,538	Pac.
2,288	2,783	1,737	1,458	888	1,448	1,101	1,482	845	1,204	287	388	WA
1,353	1,822	1,147	1,033	801	784	585	742	517	712	173	200	OR
13,884	18,842	10,801	10,485	6,287	9,888	5,354	8,842	4,131	10,357	2,047	888	CA
411	561	215	175	130	178	344	510	133	200	42	51	AK
888	1,182	411	354	383	888	154	217	187	212	888	888	HI

Source: Market Statistics, New York, NY, The Survey of Buying Power Data Service, annual (copyright).



## NO. 1311. DOMESTIC AND INTERNATIONAL FRANCHISING—SUMMARY: 1970 TO 1987

[Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise.]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985 <sup>1</sup>	1986 <sup>1</sup>	1987 <sup>1</sup>
<b>DOMESTIC<sup>2</sup></b>											
Number of franchised establishments	1,000	386	436	488	442	439	442	444	455	467	488
Company-owned <sup>3</sup>	1,000	72	61	55	56	57	56	57	56	57	51
Franchisee-owned	1,000	324	354	357	386	352	355	357	399	390	436
Sales of products and services	BL. dol.	150	161	238	266	276	423	482	643	838	891
Company-owned <sup>3</sup>	BL. dol.	23	26	47	51	55	56	64	66	70	70
Franchisee-owned	BL. dol.	96	102	200	314	321	354	428	475	488	515
Average sales per establishment	\$1,000	302	438	780	624	656	958	1,108	1,193	1,192	1,196
Employment	1,000	(NA)	3,511	4,008	4,078	4,927	5,165	5,871	6,223	6,223	6,223
<b>INTERNATIONAL</b>											
U.S. companies operating foreign outlets	Number	*156	222	279	288	295	305	329	342	(NA)	(NA)
Foreign outlets	1,000	*3.4	11.0	20.4	21.4	23.5	25.7	27.0	30.2	(NA)	(NA)

NA Not available. <sup>1</sup> Estimated by respondents to annual survey of franchisors. <sup>2</sup> Excludes foreign outlets of U.S. companies. <sup>3</sup> Represents establishments owned by the parent company. \* 1971 data.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1985-87*.

## NO. 1312. DOMESTIC FRANCHISING—NUMBER OF ESTABLISHMENTS AND SALES, BY KIND OF FRANCHISED BUSINESS: 1970 TO 1987

[See headnote, table 1311, for definition of franchising. Excludes foreign outlets of U.S. companies]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)						SALES (ML. dol.)					
	1970	1975	1980	1985	1986 <sup>1</sup>	1987 <sup>1</sup>	1970	1975	1980	1985	1986 <sup>1</sup>	1987 <sup>1</sup>
All franchising, total	386.3	434.5	442.4	486.2	488.5	488.5	119,788	190,931	236,220	542,940	598,231	691,392
Auto and truck dealers <sup>2</sup>	37.2	31.6	29.4	27.5	27.6	27.6	55,812	94,497	143,061	282,580	293,502	305,817
Percent	9.4	7.3	6.6	5.6	5.9	5.6	49.1	49.5	42.8	52.0	52.6	51.7
Restaurants (all types)	32.6	43.0	60.0	73.9	79.3	86.4	4,802	12,262	27,867	47,679	51,488	57,851
Percent	8.2	9.9	13.6	16.2	16.6	17.3	3.8	6.4	8.3	8.6	9.3	9.8
Gasoline service stations <sup>2</sup>	222.0	180.5	158.5	124.6	120.2	117.0	29,340	47,387	94,470	100,767	90,388	94,807
Percent	56.0	43.5	35.8	27.4	25.7	23.5	24.5	24.5	28.1	18.6	16.3	16.8
Retailing (nonfood)	30.7	37.2	36.2	45.1	46.1	50.7	13,133	9,031	10,517	20,571	22,110	25,178
Percent	7.7	8.6	8.0	9.9	9.9	10.2	11.0	4.7	3.1	3.6	4.0	4.2
Auto, truck rental services	*10.7	6.6	7.9	11.2	11.4	11.5	*1,177	1,475	3,148	5,888	6,101	6,538
Automotive products and services <sup>4</sup>	20.4	47.5	40.2	36.5	37.4	40.4	1,036	5,006	7,084	10,669	11,678	12,910
Business aids and services	10.5	22.2	40.7	48.6	53.6	61.3	723	1,397	6,749	11,870	13,488	15,545
Employment services	2.9	2.7	4.4	4.6	5.2	6.0	516	553	1,594	2,732	3,087	3,585
Tax preparation services	4.7	7.5	9.2	8.1	8.1	8.3	85	161	269	427	459	485
Accounting, credit, collection, and general	1.1	3.5	2.4	2.1	2.2	2.2	20	165	121	189	171	212
Other	1.7	6.3	24.7	34.8	36.3	44.4	101	516	4,745	6,842	6,780	11,283
Construction, home improvement, maintenance, and cleaning	7	10.8	14.3	17.5	18.4	22.2	63	696	1,475	4,067	4,486	4,837
Convenience stores	8.8	13.5	15.6	15.1	15.7	16.6	1,727	3,906	7,821	10,839	11,708	12,803
Educational products and services	4.9	1.3	3.2	6.2	8.2	9.1	56	173	339	788	749	851
Equipment rental services	(*)	1.4	2.2	2.5	2.7	2.8	(*)	157	366	686	720	816
Food retailing <sup>5</sup>	(NA)	11.8	15.5	16.7	20.6	23.6	(NA)	1,445	7,430	10,061	10,755	11,843
Hotels and motels <sup>6</sup>	3.4	6.4	6.4	7.6	8.0	8.6	3,540	4,801	9,508	14,771	15,694	16,729
Laundry, dry cleaning services	4.1	3.2	3.4	2.3	2.7	3.2	144	214	286	303	303	425
Recreation, entertainment, travel	2.7	3.4	4.5	7.8	8.3	8.9	77	162	516	2,318	2,609	3,191
Soft drink bottlers <sup>7</sup>	2.7	2.4	1.9	1.4	1.3	1.3	4,102	8,186	11,888	18,321	19,249	20,032
Miscellaneous	4.8	2.7	3.6	5.5	6.1	7.2	286	414	447	942	1,050	1,257

NA Not available. <sup>1</sup> Estimated by respondents. <sup>2</sup> Estimated by source on basis of Bureau of the Census and trade association data. <sup>3</sup> Equipment rental services included with auto, truck rental services. <sup>4</sup> Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. <sup>5</sup> Excludes convenience stores. <sup>6</sup> Beginning 1975, includes campgrounds. <sup>7</sup> Includes soft drinks, fruit drinks and ades, syrups, flavoring agents and bases. Excludes independent private label and contract-bottle bottling companies, which accounted for 22 percent of the value of shipments of the total industry in recent years.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1985-87*.

## NO. 1313. FRANCHISED NEW CAR DEALERSHIPS—SUMMARY: 1970 TO 1986

[Calendar year, except as indicated]

ITEM	Unit	1970	1975	1976	1985	1981	1982	1983	1984	1985	1986
Dealerships, total <sup>1</sup>	Number	20,800	29,800	28,880	28,260	26,860	25,700	24,725	24,725	24,725	25,100
Handling—											
Domestic only <sup>2</sup>	Number	22,500	18,500	11,660	11,800	10,000	14,450	14,675	14,625	12,300	7,150
Imports only <sup>3</sup>	Number	4,500	4,800	4,500	4,550	4,550	4,000	3,950	3,875	3,825	4,425
Both	Number	3,800	6,500	12,700	12,100	12,050	7,250	6,100	6,225	8,600	13,525
Sales—	Bil. dol.	51.8	84.2	142.9	130.5	144.5	154.7	188.7	230.8	280.4	283.2
New cars	1,000	8,393	8,633	10,880	8,979	8,533	7,980	9,182	10,390	11,042	11,452
Used vehicles	1,000	11,263	11,281	11,614	10,287	10,780	10,458	11,195	12,473	12,720	12,990
Employment—	1,000	702.9	728.0	837.3	753.7	705.1	702.3	748.6	806.4	850.0	880.0
Annual payroll	Bil. dol.	5.5	8.4	12.1	11.9	12.1	12.4	14.3	16.4	18.2	19.8
Advertising expenses	Bil. dol.	.4	.6	1.1	1.2	1.1	1.4	1.7	2.2	2.9	3.4
Inventory <sup>4</sup>											
Domestic: <sup>5</sup>											
Total	1,000	1,400	1,514	1,801	1,506	1,457	1,284	1,209	1,413	1,510	1,087
Days' supply	Days	60	67	70	71	74	71	65	55	58	63
Imports: <sup>6</sup>											
Total	1,000	(NA)	407	502	456	427	381	260	216	271	362
Days' supply	Days	(NA)	80	83	55	52	54	34	26	30	37

NA Not available. <sup>1</sup> At beginning of year. <sup>2</sup> Classification based on where automobiles are produced (i.e., automobiles manufactured by foreign companies but produced in the U.S. are classified as domestic). <sup>3</sup> Annual average.

Source: National Automobile Dealers Association, McLean, VA, *NADA Data*, annual.

## NO. 1314. WHOLESALE TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958, excludes Alaska and Hawaii. Data for 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-279]

ITEM	Unit	1954	1955	1956	1957	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	232	233	278	289	321
Establishments, total	1,000	250	287	308	311	370	383	416
With sales of \$1,000,000 or more	1,000	(NA)	(NA)	82	75	103	152	190
Sales, all establishments	Bil. dol.	234.0	265.7	366.4	456.5	695.2	1,258.4	1,996
Merchant wholesalers	Bil. dol.	100.1	122.1	157.4	206.1	363.9	677.5	1,168
Inventories, end of year	Bil. dol.	13.0	15.0	20.1	25.1	46.7	62.3	130.7
Payroll, entire year	Bil. dol.	10.9	13.2	18.1	23.9	36.9	58.3	85.2
Paid employees, Mar. 12 workweek <sup>1</sup>	1,000	2,585	2,806	3,089	3,519	4,086	4,397	4,896
Active proprietors of unincorporated businesses	1,000	150	158	133	122	(NA)	(NA)	(NA)

NA Not available. <sup>1</sup> 1954-1963 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. III; 1955, vol. III; 1956, vol. IV; 1957, vol. III; and *Census of Wholesale Trade: 1972*, vol. I; 1977, WC 77-A-52 and 1982, WC 82-A-52.

## NO. 1315. WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1977 AND 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 274-287 and T 352-369 for similar but not comparable data]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES <sup>1</sup> (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Wholesale trade	362.9	415.8	1,286,400	1,997,866	68,290	96,209	4,397	4,896
Merchant wholesalers	307.2	337.9	677,550	1,156,334	42,087	69,936	3,396	3,918
Other operating types	75.6	77.9	580,851	838,561	16,223	25,273	1,029	1,067
Durable goods	226.2	256.1	604,756	891,212	34,946	57,366	2,539	2,913
Motor vehicles, automotive equipment	38.9	39.5	147,112	187,807	5,148	7,524	423	433
Furniture, home furnishings	11.1	12.5	22,032	32,452	1,445	2,367	110	126
Lumber, construction materials	15.7	17.0	45,179	50,884	2,502	3,429	180	184
Sporting, recreational, photographic goods <sup>2</sup>	6.6	7.3	18,521	26,980	1,024	1,646	77	85
Metals and minerals, except petroleum	9.4	10.1	60,296	102,680	2,178	3,358	133	148
Electrical goods	24.9	29.2	68,990	120,082	3,922	7,462	277	357
Hardware, plumbing, heating equipment	18.6	20.8	30,805	43,529	2,576	4,051	194	217
Machinery, equipment, supplies	84.0	99.2	165,057	263,309	14,350	24,904	886	1,192
Miscellaneous	17.1	20.5	30,952	53,869	1,652	2,726	160	171
Nondurable goods	186.6	199.7	545,644	1,114,863	23,282	37,841	1,859	2,072
Paper, paper products	11.7	13.9	32,509	53,493	2,103	3,586	149	187
Drugs, drug proprietaries <sup>3</sup>	3.6	3.9	19,445	33,987	1,148	1,975	89	108
Apparel, piece goods, notions	13.0	14.3	39,896	55,897	1,830	2,897	131	144
Groceries and related products	36.0	38.5	182,905	266,859	7,469	12,269	602	674
Farm-product raw materials	14.6	13.9	110,332	153,419	1,273	1,839	136	138
Chemicals, allied products	8.5	10.7	51,861	76,103	1,803	2,902	100	124
Petroleum, petroleum products	22.8	18.7	116,780	296,995	2,249	3,433	179	188
Beer, wines, distilled alcoholic beverages	6.7	6.4	26,979	42,122	1,841	3,091	122	141
Miscellaneous	37.6	39.4	69,138	116,006	3,776	5,849	351	372

<sup>1</sup> For pay period including March 12. <sup>2</sup> Includes toys, hobby goods, and supplies. <sup>3</sup> Includes druggists sundries.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1977*, Geographic Area Series, WC 77-A-52, and 1982, Geographic Area Series, WC 82-A-52.

## NO. 1316. MERCHANT WHOLESALERS—SUMMARY: 1975 TO 1986

[Data reflect latest revision. Based on Current Business Survey; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related sales data]

SIC <sup>1</sup> code	KIND OF BUSINESS	1975	1986	1981	1982	1982	1984	1986	1986
	SALES (mil. dol.)								
	Merchant wholesalers..	561,637	1,124,451	1,224,160	1,155,481	1,205,083	1,360,853	1,374,782	1,381,311
50	Durable goods <sup>2</sup> .....	231,892	483,079	523,356	480,299	518,954	608,210	630,312	684,186
501	Motor vehicles and auto- motive equipment .....	39,661	83,142	69,606	91,394	101,984	121,166	132,391	145,216
502	Furniture and home furnish- ings .....	8,265	16,276	17,914	17,663	20,199	23,716	24,210	26,337
503	Lumber and other construc- tion material .....	17,261	36,390	34,872	33,116	40,712	44,561	46,193	51,435
505	Metals and minerals, except								
	petroleum .....	(S)	63,436	70,432	52,489	52,726	64,926	60,933	57,347
506	Electrical goods .....	22,747	48,689	53,806	55,637	67,315	66,814	68,753	92,350
507	Hardware, plumbing, and heating equipment .....	15,200	29,109	31,030	29,255	32,293	37,671	41,263	43,618
508	Machinery, equipment, and supplies .....	69,153	140,880	157,203	140,896	138,817	162,893	165,820	169,216
509	Miscellaneous durable goods .....	(S)	52,524	55,138	45,994	49,466	53,166	54,467	60,508
51	Nondurable goods <sup>2</sup> .....	329,845	641,372	700,804	675,182	686,129	751,643	744,440	717,283
511	Paper and paper products .....	11,215	22,606	25,072	25,937	28,617	34,473	36,796	40,521
512	Drugs, drug proprietaries, and druggists' sundries .....	8,750	13,607	15,856	18,636	19,739	22,143	25,095	27,576
514	Groceries and related products .....	95,754	155,372	165,374	174,867	190,308	208,925	217,065	234,748
515	Farm-product raw materials ..	83,264	125,433	126,899	114,596	123,307	126,154	93,252	79,195
516	Beer, wine, and distilled beverages .....	19,370	31,911	34,663	36,456	38,869	37,646	39,366	40,262
519	Miscellaneous nondurable goods .....	43,651	77,501	86,354	88,492	90,732	101,373	104,006	108,170
	INVENTORIES <sup>3</sup> (mil. dol.)								
	Merchant wholesalers..	56,972	122,979	130,275	126,186	129,680	140,866	144,244	147,375
50	Durable goods <sup>2</sup> .....	56,972	78,727	85,380	84,879	83,763	92,716	29,600	96,719
501	Motor vehicles and auto- motive equipment .....	6,576	12,352	12,867	14,340	13,602	15,675	16,781	18,643
502	Furniture and home furnish- ings .....	1,234	2,502	2,536	2,489	2,618	2,973	3,264	3,333
503	Lumber and other construc- tion material .....	(NA)	(S)	(S)	(S)	4,111	4,335	4,374	4,940
505	Metals and minerals, except petroleum .....	4,426	10,620	12,452	11,487	10,514	10,936	9,975	9,366
506	Electrical goods .....	3,530	7,643	6,935	9,026	9,580	12,955	12,866	13,576
507	Hardware, plumbing, and heating equipment .....	2,677	5,268	5,548	5,244	5,495	6,273	6,419	6,642
508	Machinery, equipment, and supplies .....	12,950	29,274	32,273	31,686	30,867	32,092	32,300	31,007
509	Miscellaneous durable goods .....	(NA)	(S)	(S)	(S)	4,489	4,816	4,453	4,823
51	Nondurable goods <sup>2</sup> .....	20,000	44,252	44,886	43,317	46,040	48,143	51,145	51,886
511	Paper and paper products .....	1,010	2,023	2,296	2,236	2,705	2,975	3,267	3,570
514	Groceries and related products .....	4,449	7,843	7,616	8,157	8,966	9,774	10,996	12,165
515	Farm-product raw materials ..	4,069	7,567	6,062	6,363	7,426	6,920	7,202	5,636
516	Beer, wine, and distilled beverages .....	1,745	3,227	3,472	3,582	3,372	3,550	3,806	3,816
519	Miscellaneous nondurable goods .....	3,276	7,238	7,779	7,633	8,249	9,547	9,656	9,689
	SALES/INVENTORY RATIO <sup>3</sup>								
	Merchant wholesalers..	9.86	9.14	9.40	9.01	9.28	9.86	9.33	9.37
50	Durable goods <sup>2</sup> .....	6.27	6.14	6.13	9.96	6.17	6.57	6.77	6.94
501	Motor vehicles and auto- motive equipment .....	6.03	6.73	6.95	6.37	7.50	7.73	7.89	7.79
502	Furniture and home furnish- ings .....	6.70	6.51	7.06	7.15	7.72	7.98	7.42	7.90
503	Lumber and other construc- tion material .....	(NA)	(S)	(S)	(S)	9.90	10.26	10.56	10.41
505	Metals and minerals, except petroleum .....	(S)	5.97	5.86	4.57	5.02	5.94	6.11	6.13
506	Electrical goods .....	6.44	6.40	6.02	6.18	7.03	6.70	6.90	6.80
507	Hardware, plumbing, and heating equipment .....	5.66	5.53	5.93	5.58	5.88	6.01	6.43	6.57
508	Machinery, equipment, and supplies .....	5.34	4.81	4.87	4.45	4.50	5.08	5.13	5.46
509	Miscellaneous durable goods .....	(NA)	9.85	11.19	9.77	11.07	11.04	12.23	12.55
51	Nondurable goods <sup>2</sup> .....	16.50	14.49	15.81	15.59	14.95	14.70	14.95	13.88
511	Paper and paper products .....	11.10	11.18	10.92	11.60	9.84	11.85	11.20	11.35
514	Groceries and related products .....	21.52	19.81	21.15	21.41	21.22	21.37	19.74	19.26
515	Farm-product raw materials ..	20.37	16.57	20.66	17.95	16.60	18.23	12.95	14.05
516	Beer, wine, and distilled beverages .....	11.10	9.89	9.99	10.18	10.93	10.60	10.34	10.54
519	Miscellaneous nondurable goods .....	13.32	10.71	11.10	11.59	11.00	10.62	10.77	11.27

NA Not available. S Data do not meet publication standards.

<sup>1</sup> Standard Industrial Classification; see text, section 13.

<sup>2</sup> Includes kinds of businesses, not shown separately.

<sup>3</sup> End of year inventories; seasonally adjusted.

Source: U.S. Bureau of the Census, Current Business Reports, Revised Monthly Wholesale Trade Sales and Inventories, January 1980 Through December 1986, (BR-13-86S) and earlier reports.

No. 1317. WHOLESALE TRADE—SUMMARY, BY STATE: 1982

DIVISION AND STATE	Estab-lish-ments	Sales (bil. dol.)	Paid employ-ees <sup>1</sup> (1,000)	MERCHANT WHOLESALERS	
				Estab-lish-ments	Sales (bil. dol.)
U.S. ....	415,829	1,997.9	4,995	337,943	1,159.3
S. ....	1,854	4.2	18	1,465	3.1
M. ....	1,467	4.1	16	1,220	2.8
W. ....	800	1.9	9	720	1.6
C. ....	9,709	49.8	132	7,637	26.3
P. ....	1,549	5.0	18	1,334	3.2
A. ....	5,329	32.7	69	4,241	19.8
So. Atl.—Con. ....					
WV .....	2,360	6.1	28	2,016	4.1
NC .....	10,234	39.6	116	8,219	18.9
SC .....	4,539	12.7	46	3,884	7.8
GA .....	11,322	56.1	140	8,651	22.2
FL .....	19,537	65.6	212	16,267	39.1
E. So. Cent.: ....					
KY .....	5,276	19.2	60	4,368	11.0
TN .....	7,853	37.8	102	6,329	19.4
AL .....	5,913	19.6	66	4,048	12.2
MS .....	3,633	10.8	38	3,159	8.5
W. So. Cent.: ....					
AR .....	3,709	10.7	39	3,319	7.3
LA .....	7,678	36.1	95	6,335	24.9
OK .....	6,167	28.1	71	5,178	18.5
TX .....	31,978	205.0	417	25,670	122.7
M. ....					
MT .....	1,869	4.9	16	1,566	3.7
ID .....	2,026	5.1	22	1,773	3.7
WY .....	1,091	3.3	10	905	2.6
CO .....	6,357	26.9	77	4,940	15.2
NM .....	2,123	5.1	21	1,821	4.1
AZ .....	4,555	13.9	52	3,721	8.3
UT .....	2,585	8.7	31	2,085	5.3
NV .....	1,233	3.9	14	1,073	2.6
Pac.: ....					
WA .....	7,689	31.3	60	6,160	16.5
OR .....	5,160	26.9	58	4,221	16.9
CA .....	43,276	217.7	548	34,832	126.6
AK .....	766	2.7	7	552	1.6
HI .....	1,737	4.1	17	1,434	2.5

for the pay period including March 12.  
Source: U.S. Bureau of the Census, 1982 Census of Wholesale Trade, Geographic Area Series, WC82-A-1 to 51.

No. 1316. SELECTED SERVICE INDUSTRIES—SUMMARY: 1977 AND 1982

[For establishments with paid employees]

ITEM	Unit	FIRMS SUBJECT TO FEDERAL INCOME TAX			Firms ex-empt <sup>2</sup> 1982
		1977	1986		
			Original	Revised <sup>1</sup>	
Establishments.....	1,000.....	854	1,154	740	121
Per unit.....	1,000.....	725	1,282	627	147
Revenue.....	1,000.....	626	1,111	708	112
Employees <sup>4</sup> .....	1,000.....	99	151	119	36
Receipts <sup>3</sup> .....	Bil. dol.....	184.2	427.0	310.7	61.5
Receipts <sup>3</sup> per establishment.....	\$1,000.....	226.5	338.4	375.7	418.1
Revenue.....	Bil. dol.....	69.9	163.9	140.1	24.3
Percent of total <sup>3</sup> .....	Percent.....	42.6	38.4	45.1	39.5
Revenue, entire year.....	Bil. dol.....	56.1	158.6	107.9	23.1
Employees <sup>4</sup> .....	1,000.....	6,337	11,108	8,060	2,299

Because of the differences in scope between 1977 and 1982, the 1982 data have been recomputed to be comparable to 1977 Standard Industrial Classification codes 702, 704, 80 (except 8072); 823, 824, 829, 83, 882, 883, and 999 excluded).  
<sup>1</sup> Similarly published data in 1977.   <sup>2</sup> Revenue for tax-exempt activity.   <sup>3</sup> For workweek including March 12.

Source: U.S. Bureau of the Census, Census of Service Industries, 1977, vol. 1, and 1982, SC 82-1-1.

## NO. 1319. SERVICE INDUSTRIES—SUMMARY OF ESTABLISHMENTS BY TAX STATUS: 1977 AND 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 391-443 for similar but not comparable data]

KIND OF BUSINESS	ESTABLISHMENTS <sup>1</sup> (1,000)		RECEIPTS OR EXPENSES <sup>1</sup> (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES <sup>2</sup> (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
<b>Firms subject to Federal income tax</b>	<b>2,755.1</b>	<b>(NA)</b>	<b>248,813</b>	<b>(NA)</b>	<b>81,183</b>	<b>188,825</b>	<b>8,518.9</b>	<b>11,188.1</b>
Hotels, motels, and other lodging places	79.7	88.1	18,758	24,857	5,180	8,288	918.7	1,182.1
Hotels, motor hotels, and motels	51.9	47.6	17,719	32,675	5,027	9,057	884.1	1,078.2
Trailering parks and camps	18.9	15.3	734	1,044	103	151	11.9	15.2
Rooming, boarding, and membership lodgings	(X)	8.3	(X)	338	60	71	12.7	10.8
Personal services	612.1	(NA)	18,432	(NA)	5,476	7,866	910.4	879.5
Laundry, cleaning, and garment services	75.4	68.2	8,829	9,813	2,289	3,225	361.0	354.5
Photographic studios, portrait	37.1	48.5	1,185	2,027	215	357	29.8	44.0
Beauty and barber shops	284.7	274.9	5,285	7,455	1,816	2,414	316.7	314.2
Shoe repair, shoe shine, etc.	9.6	7.8	239	281	40	55	7.2	7.0
Funeral service, crematories	19.5	18.7	2,827	3,936	639	927	71.8	74.2
Business services	488.5	(NA)	54,800	(NA)	20,882	42,418	2,297.4	3,151.7
Advertising	32.9	41.7	4,883	9,286	1,821	3,382	118.8	145.9
Services to dwellings, other buildings	67.3	81.9	4,597	8,197	2,256	3,889	428.3	540.0
Computer data processing services	16.1	40.9	7,578	22,217	2,833	7,843	203.9	353.5
Computer prog., other software services	(NA)	(NA)	(NA)	(NA)	857	3,336	61.3	128.8
Data processing services	(NA)	(NA)	(NA)	(NA)	1,614	3,448	135.7	183.4
Computer related services, n.e.c. <sup>4</sup>	(NA)	(NA)	(NA)	(NA)	282	1,080	16.8	43.6
Management, consulting, public relations	143.8	287.9	8,343	20,106	2,839	6,529	208.8	353.5
Equipment rental, leasing services	29.3	49.2	4,970	11,361	1,080	2,305	84.8	133.4
Other business services	169.9	(NA)	23,898	(NA)	9,918	16,447	1,252.5	1,825.4
Credit reporting, collection agencies	(NA)	(NA)	(NA)	(NA)	539	808	64.2	80.5
Direct mail advertising services	(NA)	(NA)	(NA)	(NA)	276	580	31.5	43.7
Commercial photography, art, graphics	(NA)	(NA)	(NA)	(NA)	588	1,024	46.0	58.8
Personal supply services	(NA)	(NA)	(NA)	(NA)	2,881	5,832	431.7	808.8
Research and development labs	(NA)	(NA)	(NA)	(NA)	843	1,579	48.5	84.1
Testing labs and facilities	(NA)	(NA)	(NA)	(NA)	306	843	25.3	35.0
Detective agencies, protective services	(NA)	(NA)	(NA)	(NA)	1,588	3,000	279.9	340.5
Automotive repair, services, garages	208.2	227.8	21,576	33,782	4,486	7,067	483.2	683.2
Automotive rental and leasing, without drivers	12.4	12.5	8,407	9,750	834	1,380	75.5	94.2
Automobile parking	8.9	8.8	1,008	1,592	211	323	33.9	34.8
Automotive repair shops	154.2	179.1	12,770	20,414	3,080	4,906	316.3	384.6
General auto repair	87.0	109.5	5,833	8,924	1,173	1,840	128.3	144.1
Top and body repair	38.8	40.8	3,246	5,398	874	1,439	87.9	102.4
Other auto repair	28.4	28.8	3,891	6,092	1,043	1,627	120.0	117.2
Automotive services, etc. repair	24.7	27.2	1,391	2,028	320	449	57.6	58.5
Miscellaneous repair services	162.8	189.3	11,028	18,032	2,882	4,588	278.1	298.7
Electrical, electronic repair shops	52.5	35.9	3,581	4,486	1,001	1,350	95.2	87.4
Reupholstery, furniture repair	24.6	21.3	804	825	147	192	20.9	19.8
Other repair shops, related services	85.8	102.0	6,726	10,719	1,833	3,017	181.8	192.5
Amusement, rec. serv., incl. motion pictures	178.8	214.4	21,143	35,320	5,272	8,906	680.3	888.8
Motion picture prod., distribution, services	10.7	15.8	5,412	10,354	1,377	2,451	88.4	127.2
Motion picture theaters	11.8	10.0	2,805	3,810	482	587	112.2	103.5
Producers, orchestras, entertainers	87.7	92.9	2,381	4,319	524	971	50.1	55.8
Bowling alleys, billiards, pool establishments	11.3	8.9	1,788	2,308	480	646	108.1	108.8
Commercial sports, other amusement, recreation services	75.2	88.7	8,897	14,730	2,419	4,188	301.5	407.4
Health services, except hospitals <sup>3</sup>	443.1	542.8	54,388	101,220	20,882	42,882	1,821.0	2,433.1
Offices of physicians	189.1	234.8	28,755	53,241	11,854	24,576	824.0	822.0
Offices of dentists	98.3	114.4	10,007	18,814	3,044	5,786	284.4	402.5
Medical and dental laboratories	15.7	17.2	2,459	4,245	980	1,820	87.9	103.7
Legal services	167.9	203.0	18,998	36,930	5,217	12,884	382.0	588.4
Selected educational services <sup>4</sup>	81.8	107.8	1,838	3,228	483	822	81.2	88.5
Correspondence and vocational schools	(NA)	(NA)	(NA)	(NA)	302	508	34.1	38.0
Schools and educational services, n.e.c. <sup>4</sup>	(NA)	(NA)	(NA)	(NA)	186	309	26.2	30.0
Engineering, architectural, surveying services	78.6	98.6	14,737	35,557	6,282	14,717	373.2	661.6
Accounting, auditing, bookkeeping services	128.1	179.8	7,990	15,960	2,917	5,933	230.9	336.2
Social and other services	270.7	(NA)	5,738	(NA)	1,873	1,884	191.4	242.7
Social services	(NA)	(NA)	(NA)	(NA)	888	1,477	177.4	222.0
Child day care services	(NA)	(NA)	(NA)	(NA)	339	616	87.6	123.1
<b>Firms exempt from Federal income tax</b>	<b>(X)</b>	<b>147.1</b>	<b>(X)</b>	<b>54,822</b>	<b>(X)</b>	<b>22,142</b>	<b>(X)</b>	<b>2,388.1</b>
Hotels, camps, membership lodging	(X)	4.1	(X)	513	(X)	186	(X)	22.8
Research, testing, consulting services	(X)	1.0	(X)	2,812	(X)	1,251	(X)	53.8
Selected amusement, rec., related services	(X)	10.5	(X)	5,107	(X)	2,106	(X)	213.5
Selected health services <sup>5</sup>	6.7	10.0	4,764	10,438	2,516	5,197	333.0	478.2
Nursing and personal care facilities	2.3	3.0	2,216	4,752	1,203	2,597	201.8	283.2
Outpatient care facilities	4.2	4.7	1,805	3,957	818	1,857	85.2	108.8
Legal aid societies, similar legal services	1.1	1.3	288	421	183	252	12.4	14.5
Selected educational services	4.1	4.3	702	1,180	315	487	48.4	82.7
Social services	41.8	52.8	8,298	16,466	4,124	7,521	676.5	888.8
Child day care services	10.8	12.7	829	1,494	485	889	102.4	135.3
Selected membership organizations <sup>2</sup>	58.1	81.3	8,489	15,083	3,073	5,198	417.3	482.8
Business associations	11.7	12.1	2,306	4,851	822	1,488	88.8	90.2
Chic. social and fraternal associations	34.1	35.5	3,806	5,557	1,342	2,078	255.9	295.8
Noncommercial educational, scientific, and research organizations	1.9	1.9	1,437	2,733	886	977	47.8	48.9

NA Not available. X Not applicable. <sup>1</sup>Data for number of establishments and receipts of firms subject to Federal income tax include establishments without payroll. Receipts refer to establishments subject to Federal income tax. Expenses refer to establishments exempt from Federal income tax. <sup>2</sup>For pay period including March 12. <sup>3</sup>Includes other kinds of businesses, not shown separately. <sup>4</sup>N.e.c. means not elsewhere classified. <sup>5</sup>Data revised since originally published; revisions not carried to the broader kind-of-business level.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977*, Geographic Area Series, vol. II; *1982 Census of Service Industries*, Geographic Area Series, series SC82-A-52 and change sheet.

## No. 1220. SERVICES—ESTABLISHMENTS, EMPLOYEES AND PAYROLL: 1980 TO 1985

Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III.

KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)			Payroll, 1985 (\$ mil.)
	1980	1984	1985	1980	1984	1985	
<b>Services, total <sup>1</sup></b>	<b>2,278.2</b>	<b>1,864.9</b>	<b>1,711.8</b>	<b>17,196</b>	<b>22,346</b>	<b>21,843</b>	<b>348.2</b>
Hotels and other lodging places <sup>2</sup>	41.4	48.1	48.0	1,086	1,200	1,284	12.7
Casinos, motels, and tourist courts	32.1	37.3	37.0	1,034	1,152	1,210	12.2
<b>Personal services <sup>2</sup></b>	<b>152.3</b>	<b>175.9</b>	<b>175.2</b>	<b>853</b>	<b>1,028</b>	<b>1,009</b>	<b>10.1</b>
Dry cleaning, cleaning, and garment services <sup>2</sup>	40.2	45.5	44.9	359	363	372	3.9
Coin-operated laundries and cleaning	8.7	10.6	10.4	36	36	37	.3
Dry cleaning plants, except rug	17.4	18.6	17.2	132	136	139	1.3
Beauty shops	66.7	73.8	72.1	285	311	316	2.8
Funeral service and crematories	14.0	14.8	14.8	71	78	75	1.2
<b>Business services <sup>2</sup></b>	<b>181.4</b>	<b>241.6</b>	<b>258.4</b>	<b>2,988</b>	<b>3,884</b>	<b>4,272</b>	<b>72.3</b>
Advertising	10.6	14.0	15.6	140	168	185	8.2
Advertising agencies	7.4	9.9	9.8	100	120	127	3.9
Printing, reproduction, stenographic	14.8	20.4	20.3	136	174	190	3.4
Commercial photography and art	7.0	10.2	10.2	53	81	84	1.4
Services to buildings	23.4	32.9	33.7	467	575	607	6.2
Personnel supply services	13.7	18.9	17.9	599	724	865	9.4
Computer and data processing services <sup>2</sup>	13.6	24.7	28.1	303	482	515	13.9
Computer programming and software	4.4	10.7	10.9	83	188	193	6.2
Data processing services	8.2	7.5	7.8	187	234	253	5.6
Miscellaneous business services <sup>2</sup>	75.5	117.3	120.4	1,270	1,828	1,766	32.6
Management and public relations	27.2	43.9	43.8	325	465	512	11.7
Detective and protective services	6.8	10.1	10.1	338	384	411	4.1
Equipment rental and leasing	12.1	20.5	23.0	115	187	216	4.7
<b>Automotive repair services, and garages <sup>2</sup></b>	<b>99.5</b>	<b>128.1</b>	<b>127.6</b>	<b>580</b>	<b>628</b>	<b>676</b>	<b>9.9</b>
Automotive rentals, without drivers	8.7	9.6	9.7	101	107	120	2.1
Automotive repair shops	75.1	97.1	98.4	369	404	420	6.5
Automotive services, except repair	7.9	10.8	11.1	62	74	83	.8
<b>Miscellaneous repair services</b>	<b>48.0</b>	<b>56.1</b>	<b>56.7</b>	<b>319</b>	<b>310</b>	<b>327</b>	<b>5.8</b>
Radio and television repair	7.2	8.8	8.3	37	33	31	.5
<b>Motion pictures</b>	<b>14.9</b>	<b>17.5</b>	<b>18.2</b>	<b>208</b>	<b>202</b>	<b>229</b>	<b>4.4</b>
Motion picture theaters	9.5	9.1	8.8	108	95	95	.6
<b>Amusement and recreation services</b>	<b>45.5</b>	<b>60.1</b>	<b>60.2</b>	<b>706</b>	<b>740</b>	<b>788</b>	<b>9.8</b>
Membership sports and recreation clubs	9.6	13.8	13.2	172	209	215	2.4
<b>Health services <sup>2</sup></b>	<b>310.8</b>	<b>384.3</b>	<b>390.2</b>	<b>5,258</b>	<b>6,202</b>	<b>6,337</b>	<b>116.3</b>
Offices of physicians	147.2	180.1	180.1	742	897	924	32.1
Offices of dentists	66.7	86.3	86.4	361	430	445	7.4
Offices of chiropractors	8.9	14.5	15.3	22	39	42	.6
Offices of optometrists	12.8	14.8	14.8	38	47	50	.7
Waiting and personal care facilities	12.8	15.5	16.0	1,002	1,151	1,206	11.5
Hospitals	5.3	5.7	5.8	2,873	2,889	2,944	52.2
Medical and dental laboratories	10.8	13.1	13.2	98	109	112	2.1
Outpatient care facilities	8.5	11.7	12.5	165	223	251	4.8
<b>Religious services</b>	<b>97.3</b>	<b>124.6</b>	<b>125.7</b>	<b>503</b>	<b>645</b>	<b>666</b>	<b>19.2</b>
Religious services	23.3	29.3	30.1	1,246	1,476	1,517	18.7
Colleges and universities	2.4	2.8	2.8	820	988	985	13.4
<b>Legal services</b>	<b>60.8</b>	<b>87.1</b>	<b>88.1</b>	<b>1,024</b>	<b>1,186</b>	<b>1,291</b>	<b>12.0</b>
Residential care	9.9	14.5	14.9	214	259	280	2.8
<b>Membership organizations <sup>2</sup></b>	<b>130.7</b>	<b>177.9</b>	<b>176.0</b>	<b>1,214</b>	<b>1,507</b>	<b>1,562</b>	<b>15.2</b>
Business associations	11.7	11.9	11.7	79	84	87	1.8
Labor organizations	20.8	21.6	20.6	172	187	170	2.1
Civic and social associations	30.5	36.3	35.6	279	302	311	2.6
Religious organizations	56.0	82.9	83.0	573	824	851	8.4
<b>Engineering and architectural services</b>	<b>37.5</b>	<b>48.5</b>	<b>53.2</b>	<b>524</b>	<b>603</b>	<b>667</b>	<b>18.7</b>
Consulting, auditing and bookkeeping	40.8	56.7	58.1	302	371	400	8.3

<sup>1</sup> Industrial Classification; see text, section 13. <sup>2</sup> Includes industries not shown separately.

U.S. Bureau of the Census, *County Business Patterns*, annual.



## NO. 1321. SERVICE INDUSTRIES—ANNUAL RECEIPTS OF TAXABLE FIRMS: 1980 TO 1986

[In millions of dollars. Estimated]

SIC <sup>1</sup> code	KIND OF BUSINESS	1980	1982	1983	1984	1985	1986
70	Hotels, rooming houses, camps, and other lodging places.....	(NA)	(NA)	(NA)	(NA)	44,414	45,852
701	Hotels, motels, and tourist courts.....	26,952	32,749	35,870	38,859	41,742	43,317
72	Personal services <sup>2</sup> .....	25,133	28,463	32,278	34,036	36,976	38,407
721	Laundry, cleaning, and garment services.....	8,213	9,913	10,821	11,895	12,841	13,082
723	Beauty shops.....	5,798	5,437	7,731	8,048	8,591	8,043
726	Funeral service and crematories.....	3,491	3,838	4,267	4,728	5,278	5,515
73	Business services <sup>3</sup> .....	(NA)	(NA)	(NA)	(NA)	181,988	188,743
731	Advertising.....	(NA)	(NA)	11,979	13,845	16,334	17,343
7311	Advertising agencies.....	(NA)	(NA)	9,178	10,358	12,432	13,158
733	Mailing, reproduction, commercial art and photography, and stenographic services.....	(NA)	(NA)	(NA)	(NA)	10,740	11,897
7333	Commercial photography, art, and graphics.....	(NA)	(NA)	(NA)	(NA)	4,551	4,889
734	Services to dwellings and other buildings.....	(NA)	(NA)	9,970	11,100	12,545	13,826
7349	Cleaning and maintenance services to dwellings, and other buildings, n.e.c. <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	10,036	11,242
736	Personnel supply services <sup>5</sup> .....	(NA)	(NA)	10,882	14,088	16,008	16,019
7381	Employment agencies.....	(NA)	(NA)	(NA)	(NA)	4,440	4,918
7382	Temporary help supply services.....	(NA)	(NA)	(NA)	(NA)	9,189	10,447
737	Computer and data processing services.....	(NA)	(NA)	24,873	28,813	32,083	35,786
7372	Computer programming and other software services.....	(NA)	(NA)	9,448	11,411	12,580	14,389
7374	Data processing services.....	(NA)	(NA)	11,034	12,408	13,321	14,425
7379	Computer related services, n.e.c. <sup>6</sup> .....	(NA)	(NA)	4,191	4,793	6,182	6,982
7391	Research and development laboratories <sup>7</sup> .....	(NA)	(NA)	(NA)	(NA)	7,898	8,889
7392	Management, consulting, and public relations services <sup>8</sup> .....	(NA)	(NA)	(NA)	(NA)	33,515	38,785
7393	Detective agencies and protective services.....	(NA)	(NA)	6,140	6,832	7,965	8,884
7394	Equipment rental and leasing services.....	(NA)	(NA)	(NA)	(NA)	18,451	17,071
75	Automotive repair, services, and parages <sup>9</sup> .....	30,547	33,784	37,304	43,818	51,543	53,583
751	Automotive rental and leasing <sup>9</sup> .....	8,759	9,751	10,754	12,589	14,510	15,388
7512	Passenger car rental and leasing.....	4,891	5,290	6,124	7,395	8,743	9,319
7513	Truck rental and leasing.....	3,968	4,363	4,482	4,855	5,329	5,571
753	Automotive repair shops.....	18,077	20,415	22,897	25,877	30,083	32,034
756	Miscellaneous repair services.....	15,424	16,032	15,878	17,230	19,899	20,818
78	Motion pictures.....	12,508	13,984	14,630	15,797	17,002	18,206
781,2	Motion picture production, distribution, and allied services.....	(NA)	(NA)	(NA)	(NA)	12,897	13,586
79	Amusement and recreation services, except motion pictures <sup>10</sup> .....	(NA)	(NA)	(NA)	(NA)	25,418	27,177
792	Theatrical producers, bands, orchestras, and entertainers <sup>11</sup> .....	(NA)	(NA)	(NA)	(NA)	4,947	5,919
794	Commercial sports.....	(NA)	(NA)	(NA)	(NA)	4,983	5,029
80	Health services <sup>12</sup> .....	(NA)	(NA)	(NA)	(NA)	151,225	167,473
801	Offices of physicians.....	38,754	50,883	56,985	62,589	68,499	75,136
802	Offices of dentists.....	12,839	18,071	17,255	18,829	20,187	21,420
804	Offices of other health practitioners.....	(NA)	(NA)	(NA)	(NA)	7,551	8,315
805	Nursing and personal care facilities <sup>13</sup> .....	(NA)	(NA)	(NA)	(NA)	17,632	19,225
806	Hospitals <sup>14</sup> .....	(NA)	(NA)	(NA)	(NA)	18,798	21,587
808	Outpatient care facilities <sup>15</sup> .....	(NA)	(NA)	(NA)	(NA)	8,957	11,104
81	Legal services <sup>16</sup> .....	(NA)	(NA)	(NA)	(NA)	51,877	57,143
881	Engineering, architectural, and surveying services.....	(NA)	(NA)	36,240	39,087	43,617	46,387
883	Accounting, auditing, and bookkeeping services.....	(NA)	(NA)	17,113	18,894	22,308	24,082
4722	Arrangement of passenger transportation.....	(NA)	(NA)	4,784	5,785	8,985	7,959
653	Real estate agents and managers <sup>17</sup> .....	(NA)	(NA)	21,773	25,408	31,257	34,859

NA Not available. <sup>1</sup> Standard Industrial Classification, see text, section 13. <sup>2</sup> Includes other kinds of businesses, not shown separately. <sup>3</sup> N.e.c. means not elsewhere classified. <sup>4</sup> For data on tax-exempt organizations, see table 1322. <sup>5</sup> Excludes nonemployers.

## NO. 1322. SELECTED SERVICE INDUSTRIES—ANNUAL REVENUES OF TAX-EXEMPT FIRMS: 1985 AND 1986

[In millions of dollars. Estimated]

SIC <sup>1</sup> code	KIND OF BUSINESS	1985	1986	SIC <sup>1</sup> code	KIND OF BUSINESS	1985	1986
7391,2,7	Selected business services <sup>2</sup> .....	4,857	5,174	81	Legal services.....	374	440
792,7997,7999	Selected amusement services <sup>3</sup> .....	5,583	5,943	833	Job training and vocational rehabilitation services.....	3,399	3,639
805,8,8,9	Selected health services <sup>4</sup> .....	141,580	154,570	835	Child day care services.....	2,971	3,219
805	Nursing and personal care facilities.....	6,608	7,181	836	Residential care.....	5,737	6,301
808	Hospitals.....	125,218	138,809	882	Noncommercial educational, scientific, and research organizations.....	4,440	4,873
808	Outpatient care facilities.....	6,545	7,372				

<sup>1</sup> Standard Industrial Classification; see text, section 13. <sup>2</sup> Covers research and development laboratories (SIC 7391); management, consulting, and public relations services (SIC 7392); and commercial testing laboratories (SIC 7397). <sup>3</sup> Covers theatrical producers, bands, orchestras, and entertainers (SIC 792); membership sports and recreation clubs (SIC 7997); and amusement and recreation services, not elsewhere classified (SIC 7999). <sup>4</sup> Includes health and allied services, not elsewhere classified (SIC 805).

Source of tables 1321 and 1322: U.S. Bureau of the Census, *Current Business Reports*, series 55, 1986 Service Annual Survey.

### NO. 1323. HOTEL AND MOTOR HOTEL OPERATIONS—OCCUPANCY RATIO, SALES INDEXES, AND ROOM RATE INDEX: 1970 TO 1986

Annual averages of monthly figures. Based on monthly reports from lodging establishments (approximately 1,400 in 1985). Prior to 1980, economy operations were excluded. See table 1324.

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Occupancy ratio (percent).....	66	62	66	66	72	71	66	67	66	66	66	64	66
Sales indexes (1967 = 100):													
Total sales.....	107	132	147	163	189	210	234	251	266	267	280	294	308
Room sales.....	112	145	164	185	218	249	283	305	313	329	351	370	380
Restaurant sales.....	100	119	126	130	156	167	180	191	190	196	209	209	214
Room rate index (1967 = 100).....	126	146	176	184	220	255	294	326	340	361	367	404	419

Source: Lavenhol & Horwath, Philadelphia, PA, *National Trend of Business in the Lodging Industry*, monthly. (Copyright.)

### NO. 1324. THE LODGING INDUSTRY, BY TYPE OF ESTABLISHMENT—SUMMARY: 1985 AND 1986

An economy lodging establishment offers clean, standard-sized, fully-furnished modern rooms at usually \$10.00 to \$20.00 per night below the rate of typical full-service motor hotels. Their customers do not need food facilities, banquet rooms or meeting facilities, indoor recreation areas, or entertainment. An All-suite hotel doesn't have rooms, only suites. A suite differs from a hotel room by several characteristics. Generally, there is a separate bedroom, and guest amenities often include "extras" such as a wet bar or microwave, and in some cases a full kitchen. A resort hotel is a lodging facility providing an environment conducive to leisure and recreation and an ambience of isolation/destination while providing a full range of leisure oriented amenities. Based on Annual Surveys of Lodging Establishments. Covers approximately 800 full-service, 300 economy, 80 all suite, and 180 resort establishments in 1986. All figures except percents are medians. For definition of median, see Guide to Tabular Presentation.

ITEM	FULL-SERVICE		ECONOMY		ALL-SUITE		RESORT	
	1985	1986	1985	1986	1985	1986	1985	1986
Room occupancy rate.....	65.5	64.9	66.7	66.3	69.3	70.3	66.1	66.8
Average room rate (dol.).....	53.81	56.29	29.08	29.04	72.44	63.33	67.82	66.14
Rate per available room (dol.).....	20,110	21,730	7,086	7,719	22,045	17,891	26,858	25,460
Payroll and related expenses per available room (dol.).....	6,433	6,790	1,487	1,598	6,376	6,713	11,861	9,244
Ratio of net income before income tax to sales.....	.8	-3.8	5.7	20.8	(NA)	(NA)	-3.8	1
Employees <sup>1</sup> per 100 available rooms.....	53.2	41.7	(NA)	(NA)	36.8	41.8	87.4	61.5
Rate per employee <sup>1</sup> (dol.).....	35,757	48,582	(NA)	(NA)	43,134	48,513	29,750	44,108
Composition of market—(percent)								
Business travelers/government officials.....	44.1	39.2	53.3	58.9	57.8	58.0	6.0	6.9
Tourists.....	29.6	34.6	39.3	31.5	26.7	22.8	67.8	66.7
Conference participants.....	18.5	15.2	2.6	4.9	12.8	11.2	24.1	21.9
Percent advanced reservations.....	66.3	66.6	40.1	44.2	60.8	61.6	82.6	82.2

NA Not available. <sup>1</sup> Full-time equivalent employees.

Source: Lavenhol & Horwath, Philadelphia, PA, *U.S. Lodging Industry*, annual; *U.S. All-Suite Lodging Industry*, annual; *U.S. Economy/Limited-Service Lodging Industry*, annual; and *U.S. Resort Lodging Industry*, annual.

### NO. 1325. COMPUTER AND DATA PROCESSING—RECEIPTS BY SOURCE: 1977 AND 1982

[In millions of dollars. For establishments with payroll]

RECEIPT SOURCE	TOTAL		COMPUTER PROGRAMMING <sup>1</sup>		DATA PROCESSING				COMPUTER RELATED SERVICES (n.e.c.) <sup>2</sup>	
	1977	1982	1977	1982	Total		Excluding facilities management <sup>3</sup>		1977	1982
					1977	1982	1977	1982		
Total.....	7,478	21,819	1,982	8,186	4,474	10,099	4,985	5,486	1,819	3,826
Programming, systems analysis and design: <sup>4</sup>										
Prepackaged.....	1,984	1,808	1,771	1,515	192	78	185	70	(NA)	14
Custom.....		4,582		4,175		377		352		31
Research and development <sup>5</sup> .....	35	69	24	53	10	12	10	11	(NA)	4
Data processing and preparation.....	3,738	6,831	72	249	3,652	6,371	3,642	6,357	(NA)	11
Facilities management.....	445	606	25	34	416	657	18	43	(NA)	6
Rental or leasing <sup>6</sup> of data processing equipment.....	452	1,063	13	131	21	90	21	85	(NA)	642
Rental, sales, licensing of integrated systems.....		1,706		1,501		185		181		22
Consulting and planning <sup>7</sup> .....	668	713	30	167	55	111	54	96	(NA)	438
Maintenance of equipment.....		2,155		158		20		19		1,979
Other sources.....	256	583	57	205	129	165	127	190	(NA)	181

NA Not available. <sup>1</sup> And related software. <sup>2</sup> Operation of customers' in-house operation. <sup>3</sup> Not elsewhere classified. <sup>4</sup> Of hardware. <sup>5</sup> Except finance leasing. <sup>6</sup> Except programming services.

Source: U.S. Bureau of the Census, *Census of Service Industries: 1977*, Subject Series, SC-77-3-8, and *1982 Census of Service Industries*, Miscellaneous Subjects, SC 82-4-8.

## No. 1326. SERVICE INDUSTRIES—SUMMARY OF ESTABLISHMENTS WITH PAYROLL, BY STATE: 1962

DIVISION AND STATE	Firms subject to Federal income tax										TAX-EXEMPT FIRMS	
	Establishments				Receipts (mil. dol.)				Annual payroll (mil. dol.)	Paid employ- ees <sup>2</sup> (1,000)	Estab- lishments	Reve- nue (mil. dol.)
	Total <sup>1</sup> (1,000)	Busi- ness serv- ices	Per- sonal serv- ices	Auto- motive repair <sup>3</sup>	Total <sup>1</sup>	Busi- ness serv- ices	Per- sonal serv- ices	Auto- motive repair <sup>3</sup>				
U.S.	1,381.7	218,125	167,746	115,481	628,982	105,896	22,980	30,895	188,635	11,188.1	147,981	61,488
NE:												
ME	5.9	814	881	537	1,204	141	71	120	420	37.9	1,133	286
NH	5.5	833	885	486	1,246	234	86	118	457	38.2	890	210
VT	3.2	376	391	261	662	73	36	43	224	23.2	772	144
MA	33.9	6,082	4,861	3,104	13,317	4,071	618	862	6,383	353.3	5,022	2,584
RI	5.4	851	867	544	1,351	310	85	118	514	41.3	811	234
CT	19.6	4,085	2,872	1,577	6,408	1,859	379	437	2,382	170.9	2,495	827
MA:												
NY	102.9	21,477	13,073	8,214	43,804	14,745	1,946	2,210	15,777	982.6	11,883	8,277
NJ	45.5	8,959	6,254	4,052	19,349	4,818	802	1,066	6,038	401.4	3,544	1,384
PA	55.0	8,255	6,152	5,995	19,083	4,581	1,035	1,300	7,045	485.8	8,424	3,287
ENC:												
OH	52.1	7,922	6,086	5,039	15,515	3,880	1,086	1,331	8,091	450.8	7,129	2,557
IN	24.4	3,493	3,788	2,577	8,252	1,170	489	822	2,313	187.8	3,822	1,086
IL	57.6	11,453	7,746	5,030	21,398	6,130	1,208	1,501	8,170	547.7	8,834	3,884
MI	43.7	8,380	5,802	3,887	13,448	3,155	639	1,070	5,312	382.8	5,076	1,888
WI	22.8	3,271	3,845	1,925	5,956	1,077	433	472	2,450	190.9	3,222	1,085
W.M.C.:												
MN	20.0	3,578	2,895	1,708	6,472	1,502	428	482	2,535	188.0	3,575	1,747
IA	14.8	1,871	2,544	1,525	3,384	640	250	298	1,208	105.7	2,885	727
MO	25.8	3,974	4,015	2,659	6,180	2,124	505	730	3,078	225.3	3,072	1,217
ND	3.1	382	599	292	811	106	64	75	310	23.4	719	180
SD	3.5	394	540	357	674	75	53	61	234	21.4	746	164
NE	8.5	1,174	1,439	844	2,229	496	158	210	803	68.3	1,403	408
KS	12.7	1,798	1,933	1,312	3,064	592	235	267	1,140	92.1	2,171	482
SA:												
DE	3.2	566	474	289	850	171	80	90	330	27.4	485	189
MD	22.6	4,255	2,989	1,786	8,583	3,107	447	536	3,404	228.1	2,980	1,411
DC	8.3	1,571	505	403	4,218	1,156	99	123	1,597	88.4	2,008	3,189
VA	27.6	5,023	4,172	2,496	9,177	2,882	553	616	3,675	265.3	3,145	1,552
WV	7.4	723	1,327	530	1,759	201	146	109	633	80.2	1,241	284
NC	27.1	3,739	4,318	2,745	6,268	1,205	536	589	2,371	198.4	3,076	830
SC	13.9	1,817	2,080	1,357	3,301	480	243	276	1,255	105.1	1,383	291
GA	26.2	4,838	3,894	2,825	8,795	2,332	495	766	3,231	242.8	2,859	842
FL	68.7	12,025	8,753	5,757	21,542	4,539	1,085	1,735	8,082	600.7	5,488	1,857
E.S.C.:												
KY	14.7	1,881	2,410	1,355	3,678	579	300	288	1,338	111.9	1,882	527
TN	21.4	3,083	3,311	2,086	6,344	1,904	446	509	2,348	177.3	2,483	719
AL	15.9	2,127	2,694	1,691	4,339	777	281	406	1,808	125.6	1,851	422
MS	9.7	1,082	1,480	884	2,172	333	151	187	782	88.2	1,308	288
W.S.C.:												
AR	10.1	1,189	1,536	1,083	2,177	278	181	221	605	66.6	1,339	286
LA	22.1	3,853	2,344	2,095	7,899	2,075	381	467	2,695	202.3	1,729	495
OK	18.7	2,718	1,980	1,483	5,997	1,162	305	367	1,794	132.9	1,785	509
TX	65.7	18,195	10,946	8,481	32,038	8,159	1,754	2,481	11,442	763.0	7,167	2,584
ML:												
MT	5.0	584	604	483	1,088	112	58	95	345	31.8	977	183
ID	5.1	591	682	484	1,088	169	70	97	396	33.5	628	303
WY	3.5	462	389	302	884	178	39	89	280	22.9	538	94
CO	21.7	4,077	2,415	1,844	7,325	1,680	349	545	2,598	191.1	2,239	980
NM	7.4	1,058	988	721	2,498	343	102	157	883	61.2	854	265
AZ	17.3	3,175	2,132	1,807	5,070	1,113	292	395	1,881	147.6	1,581	536
UT	7.9	1,290	743	744	2,173	418	104	224	770	59.8	847	191
NV	6.2	1,052	671	482	8,080	520	148	162	2,112	152.3	453	99
Pac.:												
WA	25.4	3,914	3,321	2,148	7,359	1,873	405	547	2,794	188.1	3,349	1,108
OR	16.3	2,398	1,857	1,375	3,889	686	223	326	1,430	112.3	2,053	661
CA	170.4	31,469	18,898	14,991	67,083	18,387	2,761	4,535	24,589	1,530.9	14,561	7,453
AK	2.6	523	237	184	1,155	248	45	87	434	21.2	558	188
HI	6.1	1,024	663	567	2,980	314	101	249	604	71.1	680	433

<sup>1</sup> Includes other establishments and receipts, not shown separately.<sup>2</sup> Includes services and garages.<sup>3</sup> For the pay period including March 12.

Source: U.S. Bureau of the Census, 1962 Census of Service Industries, Geographic Area Series, SC82-A-1 to 52.



## Section 29

# Foreign Commerce and Aid

This section presents data on the flow of goods, services, and capital between the United States and other countries; changes in official reserve assets of the United States; international investments; foreign assistance programs; and import duties.

The Bureau of Economic Analysis publishes current figures on U.S. international transactions and the U.S. international investment position in its monthly *Survey of Current Business*. Figures for earlier periods are presented in *Balance of Payments—Statistical Supplement*, 1983 revised edition, in the periodic *Foreign Grants and Credits by the United States Government*, and in the June issues of the *Survey of Current Business*. Statistics for the foreign aid programs are presented by the Agency for International Development (AID) in its annual *U.S. Overseas Loans and Grants and Assistance from International Organizations*; and by the Department of Agriculture in its *Foreign Agricultural Trade of the United States*.

The principal source of merchandise import and export data is the Bureau of the Census. Current data are presented monthly in Report FT 135, *U.S. General Imports, Schedule A: Commodity by Country*; Report FT 410, *U.S. Exports, Schedule E: Commodity by Country*; and Report FT 980, *Highlights of U.S. Export and Import Trade*. The *Bureau of the Census Catalog and the Guide to Foreign Trade Statistics* lists the Bureau's monthly and annual reports in this field. In addition, the International Trade Administration and the Bureau of Economic Analysis present summary as well as selected commodity and country data for U.S. foreign trade in the *Overseas Business Reports* and the *Survey of Current Business*, respectively. The merchandise trade data in the latter source include balance of payments adjustments to the Census data. The Treasury Department's *Monthly Treasury Statement of Receipts and Outlays of the United States Government* contains information on import duties.

**International accounts.**—The international transactions tables (Nos. 1327-1329) show, for given time periods, the transfer of goods, services, grants, and financial assets and liabilities between the United States and the rest of the world. The international investment position table (No. 1330) presents, for specific dates, the value of U.S. investments abroad and of foreign investments in the United States. The movement of foreign and U.S. capital as presented in the balance of payments is not the only factor affecting the total value of foreign investments. Among the other factors are changes in the valuation of assets or liabilities, including changes in prices of securities, defaults, expropriations, and write-offs.

**Direct investment abroad** means the ownership or control, directly or indirectly, by one person or 10 percent or more of the voting securities of an incorporated business enterprise or an equivalent interest in an unincorporated business enterprise. Direct investment position is the value of U.S. parents' claims on the equity of, and receivables due from, foreign affiliates, less foreign affiliates' receivables due from their U.S. parents. Income consists of parents' shares in the earnings of their affiliates plus net interest received by parents on intercompany accounts, less withholding taxes on dividends and interest.

**Foreign aid.**—Foreign assistance is divided into three major categories—grants (military supplies and services and other grants), credits, and other assistance (through net accumulation of foreign currency claims from the sale of agricultural commodities). Grants are transfers for which no payment is expected (other than a limited percentage of the foreign currency "counterpart" funds generated by the grant), or which at most involve an obligation on the part of the receiver to extend aid to the United States or other countries to achieve a common objective. Credits are loan disburse-

ments or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. All known returns to the U.S. Government stemming from grants and credits (reverse grants, returns of grants, and payments of principal) are taken into account in net grants and net credits, but no allowance is made for interest or commissions. *Other assistance* represents the transfer of U.S. farm products in exchange for foreign currencies (plus, since enactment of Public Law 87-128, currency claims from principal and interest collected on credits extended under the farm products program), less the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

Figures as published in the *Foreign Grants and Credits* series are not identical with figures shown for Government unilateral transfers and capital in the balance of payments, mainly because of differences in treatment of particular items by the two sets of accounts. Such items include contributions to the multilateral construction program of the North Atlantic Treaty Organization, Government investments in certain productive enterprises abroad, Government receipts on funded claims, and net changes in foreign currency holdings resulting from transactions other than those under the farm products program, such as collections of principal and interest and purchases for dollars.

The basic instrument for extending military aid to friendly nations has been the Mutual Defense Assistance Program authorized by the Congress in 1949. Prior to 1952, economic and technical aid was authorized in the Foreign Assistance Act of 1948, the 1950 Act for International Development, and other legislation which set up programs for specific countries. In 1952, these economic, technical, and military aid programs were combined under the Mutual Security Act, which in turn was followed by the Foreign Assistance Act passed in 1981. Appropriations to provide military assistance were also made in the Department of Defense Appropriation Act (rather than the Foreign Assistance Appropriation Act) beginning in 1986 for certain countries in Southeast Asia and in other legislation concerning programs for specific countries (such as Israel). Figures on activity under the Foreign Assistance Act as reported in the *Foreign Grants and Credits* series differ from data published by AID or its immediate predecessors, due largely to differences in reporting, timing, and treatment of particular items.

**Exports.**—The Bureau of the Census compiles export data primarily from Shipper's Export Declarations required to be filed with customs officials for shipments leaving the United States. They include U.S. exports under mutual security programs and exclude shipments to U.S. Armed Forces for their own use.

The value reported in the export statistics is generally equivalent to a free alongside ship (f.a.s.) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. This value, as defined, excludes the cost of loading merchandise aboard the exporting carrier and also excludes freight, insurance, and any other charges or transportation and other costs beyond the U.S. port of exportation. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. When ultimate destination is not known, the shipment is statistically credited to the last country to which the shipper knows the merchandise will be shipped in the same form as exported.

For certain low-valued shipments, the export statistics since July 1953 include estimates based upon selected samples of such shipments with lower and upper value limits of the sampled shipments varying (Canada excepted) from \$100-\$499 for July 1953-September 1969, \$251-\$499 for October 1969-February 1979, and \$501-\$999, for March 1979-June 1981. For July 1981-December 1984, the statistics for countries other than Canada reflect fully compiled data for shipments valued over \$500. For Canada, the upper value limit was \$1,999 during the period January 1963-December 1984, and lower value limits were raised to \$251 and \$501 in October 1969 and March 1979, respectively. Beginning 1985, data for low-valued exports to all countries are estimated using factors based on the ratios of low-valued shipments to individual country totals. From January, 1985 through December 1986, data are estimated for all shipments valued under \$1,001. Effective January 1987, data are estimated for shipments valued under \$1,501. Shipments valued under \$1,501 represent slightly less than 2.5 percent of the total value of exports.

Beginning January 1978, the Export Classification Schedule was based upon Schedule E, Standard International Trade Classification, Revision 2. This revision affects the comparability of some export statistics.

**Imports.**—The Bureau of the Census compiles import data from various customs forms required to be filed with customs officials. From 1974-1981, data on import values were presented on three bases: The transaction values f.a.s. (free alongside ship) at the foreign port of export, the c.i.f.

(cost, insurance, and freight), and the previously reported customs import value (as appraised by the U.S. Customs Service in accordance with legal requirements of the Tariff Act of 1930, as amended). This latter valuation, primarily used for collection of import duties, frequently did not reflect the actual transaction value. Beginning 1982, import data are based on customs values, i.e., the price paid by the buyer to the seller in accordance with the 1979 Trade Agreement Act amendments to the 1930 Tariff Act. For the c.i.f. imports, the new customs value was substituted for the arms-length transaction value used for 1981 and earlier years. The f.a.s. transaction values were discontinued as of January 1982. Country of origin is defined as country where the merchandise was grown, mined, or manufactured. If country of origin is unknown, country of shipment is reported.

Imports are classified either as "General imports" or "Imports for consumption." General imports are a combination of entries for immediate consumption, entries into customs bonded warehouses, and entries into U.S. Foreign Trade Zones, thus generally reflecting total arrivals of merchandise. Imports for consumption are a combination of entries for immediate consumption, withdrawals from warehouses for consumption, and entries of merchandise into U.S. customs territory from U.S. Foreign Trade Zones, thus generally reflecting the total of the commodities entered into U.S. consumption channels.

Since July 1953, the import statistics include estimates, not classified by commodity, for certain low-valued shipments. For July 1953-July 1965, entries valued under \$100, in general, were estimated, while entries valued under \$251 have been estimated for the period July 1965-December 1984. Since January 1985, import statistics include estimates for shipments valued under \$1,001. The estimated low-valued shipments generally amount to about 4 percent of the import total.

**Area coverage.**—Except as noted, the geographic area covered by the export and import trade statistics is the United States Customs area (includes the 50 States, the District of Columbia and Puerto Rico), the U.S. Virgin Islands (effective January 1981), and U.S. Foreign Trade Zones (effective July 1982). Data for selected tables and total values for 1980, have been revised to reflect the U.S. Virgin Islands' trade with foreign countries, where possible.

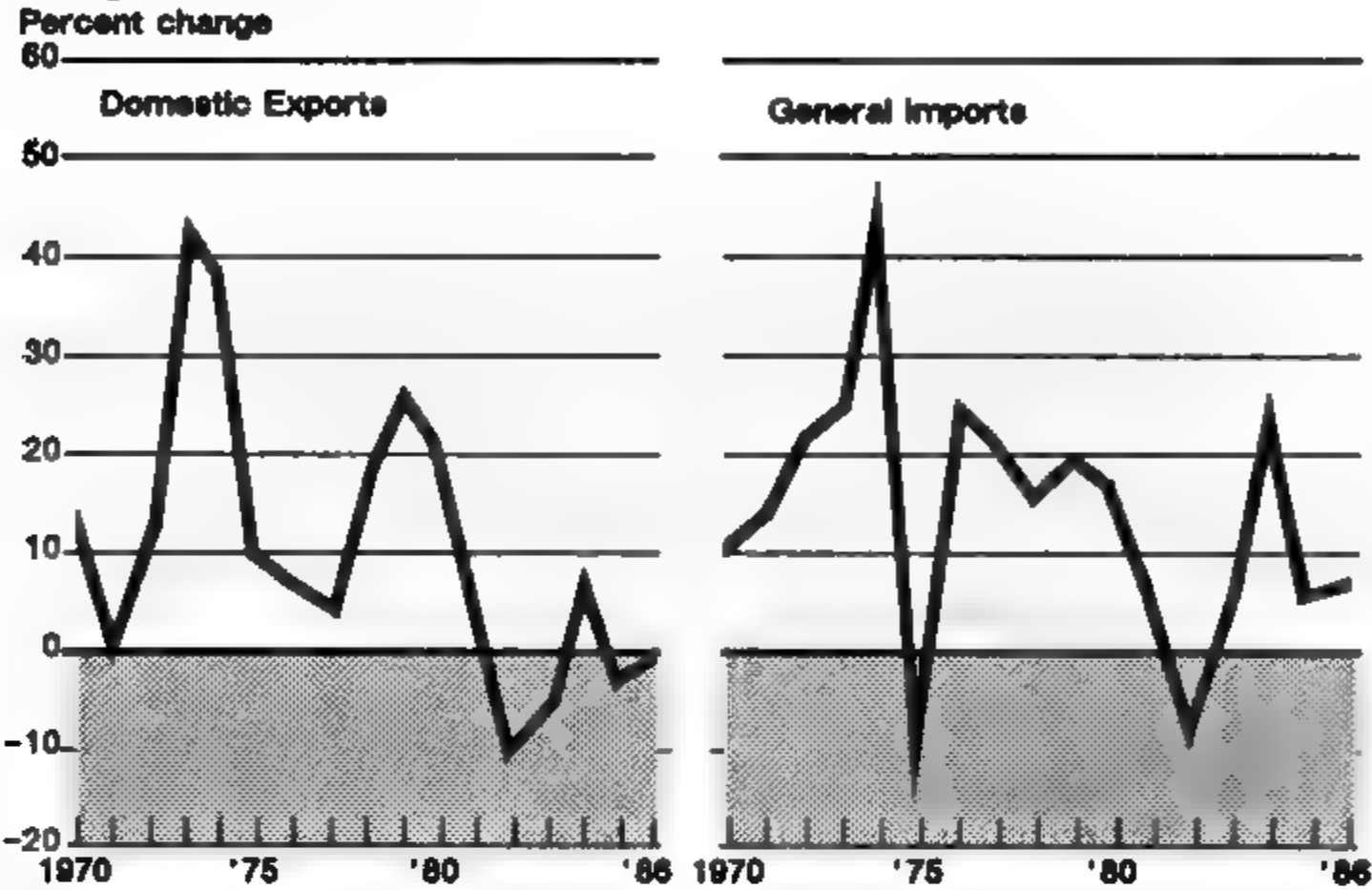
**Statistical reliability.**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

**Statistics for States and metropolitan statistical areas (MSAs).**—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

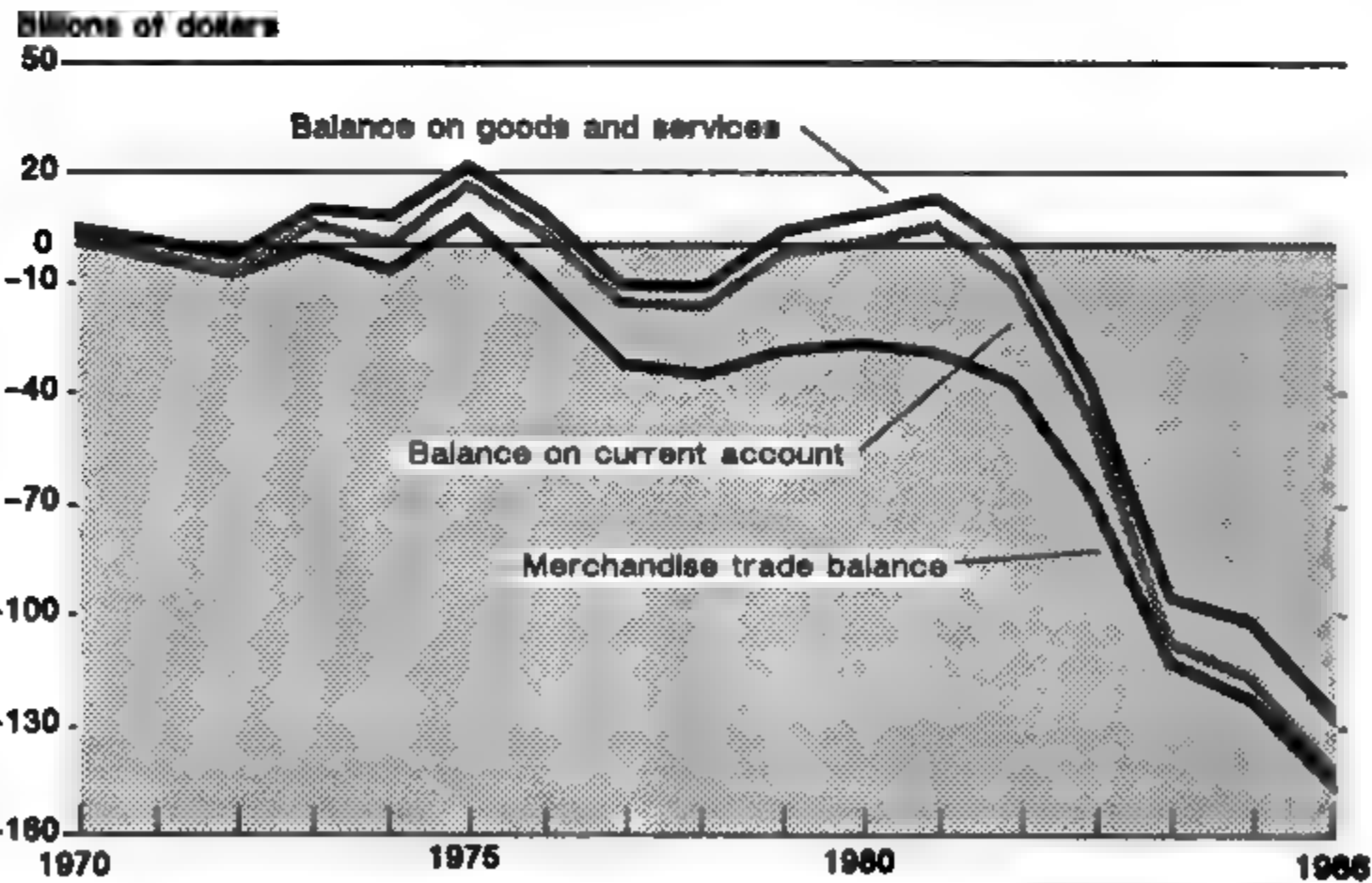


**Figure 29.1**  
**U.S. Exports and Imports—Annual Percent**  
**Change: 1970 to 1986**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1342.

**Figure 29.2**  
**U.S. International Transaction Balances: 1970 to 1986**



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1327.

## No. 1327. U.S. INTERNATIONAL TRANSACTIONS—SUMMARY: 1960 TO 1987

in millions of dollars. Reserve assets are for end of period. Minus sign (—) indicates debits, see footnote, table 1329

YEAR	Mer- chandise trade balance <sup>1</sup>	Net invest- ment income	Net military transac- tions	Net travel and transpor- tation receipts	Other services, net	Balance on goods and services	Uni- lateral transfers <sup>2</sup>	Balance on cur- rent account	Net foreign assets in U.S.	Net U.S. assets abroad	Net U.S. offi- cial re- serve assets
1960	4.9	3.4	2.8	-1.0	.8	5.2	-2.4	2.8	2.3	-4.1	19.4
1961	5.0	5.3	2.1	1.3	1.5	8.4	2.9	5.4	7	-5.7	15.5
1962	3.8	5.0	-2.9	-1.3	1.5	8.1	-3.1	3.0	3.7	-7.3	14.9
1963	3.8	5.3	-3.2	-1.8	1.7	5.8	-3.3	2.6	7.4	-8.8	14.8
1964	.8	6.0	-3.1	-1.5	1.8	3.7	-3.1	.6	9.9	-11.0	15.7
1965	.8	6.0	-3.3	-1.8	2.0	3.5	-3.1	.4	12.7	-11.8	17.0
1966	2.6	6.2	-3.4	-2.0	2.3	5.8	-3.4	2.3	6.4	-8.3	14.5
1967	-2.3	7.3	-2.9	-2.3	2.6	2.4	-3.9	-1.4	23.0	-12.5	12.2
1968	-6.4	6.2	-3.4	-3.1	3.0	-1.7	-4.1	-5.8	21.5	-14.5	13.2
1969	.9	12.2	-2.1	-3.2	3.4	11.2	-4.1	7.1	18.4	-22.9	14.4
1970	-5.5	15.5	-1.7	-3.2	4.2	8.4	-7.4	2.0	34.2	-34.7	15.9
1971	8.9	12.8	-.7	2.8	4.9	23.0	-4.9	18.1	15.7	-39.7	16.2
1972	-9.5	16.0	.8	-2.8	5.0	9.5	-5.3	4.2	36.5	51.3	18.7
1973	-31.1	16.0	1.5	-3.8	5.7	-9.5	-5.0	-14.5	51.3	-34.8	19.3
1974	-33.9	20.6	.8	-3.8	6.5	-9.8	-5.8	-15.4	64.0	-81.1	18.7
1975	-27.5	31.2	-1.8	-2.8	6.2	5.1	-6.1	-1.0	38.8	-64.3	19.0
1976	-25.5	30.4	-2.2	-1.0	7.8	9.5	-7.8	1.9	58.1	-86.1	25.8
1977	-26.0	34.1	-1.2	1	9.3	14.3	-7.5	6.9	83.0	-111.0	30.1
1978	-38.4	38.7	-.3	-1.0	9.3	.3	-9.0	-8.7	93.7	-121.2	34.0
1979	-67.1	24.9	-.2	-4.2	9.9	-36.8	-9.5	-48.2	84.8	-49.8	33.7
1980	-112.5	18.5	-1.9	-8.6	9.7	-94.8	-12.2	-107.0	102.5	-22.3	34.9
1981	-122.1	25.4	-3.3	-10.9	9.9	-101.1	-15.3	-116.4	129.9	31.4	43.2
1982	-144.3	20.9	-3.7	-9.9	11.4	-125.7	-15.7	-141.4	213.4	-95.0	48.5
1983	-36.8	5.5	-	-3.2	2.8	-33.7	-3.1	-38.8	28.8	15.5	46.8
1984	1.6	1.6	1	-3.1	2.7	-35.2	-2.9	-41.1	45.1	-21.5	45.1

into or rounds to zero. <sup>1</sup> Excludes military grants.<sup>2</sup> Council of Economic Advisors, *Economic Indicators*, monthly, and *Economic Report of the President*, annual. Data from Survey of Economic Analysis and U.S. Dept. of the Treasury.8. U.S. BALANCES ON INTERNATIONAL TRANSACTIONS, BY AREA AND SELECTED COUNTRY:  
1984 TO 1986

(in millions of dollars. Minus sign (—) indicates debits)

COUNTRY	1984, BALANCE ON—			1985, BALANCE ON—			1986, BALANCE ON—		
	Mer- chandise trade <sup>1</sup>	Goods and services	Current account	Mer- chandise trade <sup>1</sup>	Goods and services	Current account	Mer- chandise trade <sup>1</sup>	Goods and services	Current account
U.S.	112,622	-94,836	-107,813	122,148	101,083	-118,389	144,338	-125,884	-141,363
Europe	15,187	-28,843	-30,485	-21,439	-27,419	-28,105	26,410	34,922	35,500
Economic Community <sup>2</sup>	11,384	23,782	23,703	17,400	22,238	22,085	22,111	27,081	-27,085
United Kingdom	2,217	4,502	4,265	3,388	5,850	5,435	3,990	13,046	12,783
Luxembourg	2,105	2,736	2,715	1,536	3,120	3,087	1,509	3,849	3,823
Germany	-1,902	-1,853	-1,921	-2,810	-1,720	-1,780	2,392	680	-762
France	8,851	18,985	18,543	10,586	16,378	15,983	14,288	18,288	-17,786
Italy	3,748	3,807	4,023	4,798	4,425	4,638	5,591	3,288	3,489
Netherlands	3,360	638	820	3,130	2,804	2,785	3,555	4,353	4,334
Western Europe	-3,793	6,082	6,782	-4,039	5,181	6,020	8,299	7,841	8,436
Japan	2,073	2,323	2,144	1,411	1,821	1,418	45	519	359
Asia	14,593	-3,663	-3,842	15,004	-5,424	-5,888	13,331	2,371	2,634
Other Western	18,588	10,481	12,895	15,321	-7,280	10,205	10,549	3,733	6,446
Australia	6,058	3,857	4,277	5,718	4,078	4,686	4,801	-3,194	3,703
New Zealand	-3,274	-2,523	-2,539	3,458	-2,482	-2,501	-1,705	1,132	1,151
Other	2,104	3,815	3,589	2,383	3,527	3,487	2,494	3,724	3,683
Africa	191	382	339	861	-469	513	1,225	737	785
Other	38,988	37,728	37,792	43,508	45,217	45,285	54,403	56,219	56,282
Latin America	-31,498	21,786	29,173	29,845	22,095	31,848	38,862	-32,806	-43,640
Other	33	2,412	1,179	192	1,781	532		932	34

<sup>1</sup> Adjusted to balance of payments basis, excludes exports under U.S. military sales contracts and direct defense expenditures. <sup>2</sup> Includes Denmark, Greece, Ireland, European Atomic Energy Community, and Steel Community, and European Investment Bank, not shown separately. Beginning in 1986, also includes Portugal, not shown separately. <sup>3</sup> Includes New Zealand. <sup>4</sup> Includes Ryukyu Islands.5. Bureau of Economic Analysis, *Survey of Current Business*, June 1987

## NO. 132B. U.S. INTERNATIONAL TRANSACTIONS BY TYPE OF TRANSACTION: 1970 TO 1986

[In millions of dollars. Minus sign (-) indicates debits. See also *Historical Statistics, Colonial Times to 1970*, series U 1-26]

TYPE OF TRANSACTION	1970	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Exports of goods and services<sup>1</sup></b>	<b>68,874</b>	<b>154,729</b>	<b>184,278</b>	<b>219,984</b>	<b>298,796</b>	<b>342,486</b>	<b>376,488</b>	<b>348,570</b>	<b>334,422</b>	<b>360,778</b>	<b>368,488</b>	<b>372,807</b>
Merchandise, excl. military <sup>2</sup>	42,466	107,086	130,816	142,064	184,473	224,269	237,085	211,198	201,820	219,900	215,935	224,361
Food, feeds, and beverages	5,874	19,234	18,724	25,185	30,005	35,721	38,163	31,820	31,598	31,825	23,989	22,980
Industrial supplies and materials	13,796	29,789	34,312	39,044	58,139	71,847	69,049	63,620	58,448	63,362	60,430	64,021
Capital goods, except automotive	14,858	36,639	38,785	45,471	58,843	74,210	81,613	73,675	68,887	74,115	76,411	79,824
Automotive vehicles and parts <sup>3</sup>	3,870	10,794	13,636	15,742	18,402	17,540	19,791	17,393	16,867	22,506	25,026	25,431
Consumer goods (nontool) <sup>4</sup>	2,798	6,580	8,931	10,485	12,845	16,633	18,368	14,723	14,036	13,751	12,978	14,480
Transfers under U.S. military agency sales contracts	1,501	4,049	7,351	7,973	8,518	8,274	10,041	11,966	12,344	8,954	8,670	8,903
Travel and transportation	8,000	11,576	14,805	18,922	20,588	24,797	28,584	27,884	27,035	28,190	28,781	31,685
Miscellaneous services	3,957	7,068	8,325	10,501	11,107	12,641	14,378	14,952	15,972	16,824	17,773	19,870
Income on U.S. assets abroad	11,747	25,351	32,179	42,245	64,132	72,508	84,411	83,549	77,251	85,910	89,299	88,209
Direct investment	8,169	18,585	19,673	25,458	38,183	37,148	32,549	21,381	20,489	21,217	32,685	36,697
Other private receipts	2,671	7,844	10,881	14,944	23,554	32,798	50,182	58,050	51,920	59,484	50,131	45,191
U.S. Government receipts	907	1,112	1,625	1,843	2,295	2,552	3,680	4,116	4,532	5,229	5,503	6,321
<b>Transfer of goods and services under U.S. military grants, net</b>	<b>3,713</b>	<b>2,367</b>	<b>388</b>	<b>338</b>	<b>465</b>	<b>756</b>	<b>679</b>	<b>886</b>	<b>199</b>	<b>153</b>	<b>48</b>	<b>101</b>
<b>Imports of goods and services</b>	<b>-36,901</b>	<b>-192,746</b>	<b>-188,784</b>	<b>-238,886</b>	<b>-381,888</b>	<b>-333,020</b>	<b>-382,165</b>	<b>-348,392</b>	<b>-371,188</b>	<b>-455,812</b>	<b>-480,560</b>	<b>-488,501</b>
Merchandise, excl. military <sup>2</sup>	-39,265	-98,185	-151,907	-176,001	-212,009	-249,749	-265,053	-247,542	-255,900	-332,422	-368,053	-368,700
Food, feeds, and beverages	-8,147	-9,642	-13,981	-15,997	-17,368	-18,127	-18,113	-17,108	-18,485	-21,303	-21,308	-23,987
Industrial supplies and materials	-15,943	-50,638	-79,933	-83,613	-108,976	-133,290	-135,222	-111,311	-109,706	-123,885	-112,958	-102,776
Capital goods, except automotive	-3,978	-10,186	-13,885	-18,705	-25,029	-31,181	-38,879	-38,338	-43,064	-61,081	-63,862	-75,446
Automotive vehicles and parts <sup>3</sup>	-6,515	-12,065	-19,359	-24,993	-26,433	-27,903	-30,885	-34,063	-43,501	-56,577	-65,022	-78,064
Consumer goods (nontool) <sup>4</sup>	-7,403	-13,211	-21,786	-26,943	-30,588	-34,445	-38,884	-39,880	-46,999	-61,282	-65,148	-77,802
Direct defense expenditures	-4,865	-4,785	-5,823	-7,352	-8,294	-10,511	-11,234	-12,260	-12,587	-11,896	-12,009	-12,506
Travel and transportation	-8,038	-14,388	-18,171	-20,495	-23,503	-25,794	-28,440	-28,876	-31,282	-38,794	-38,647	-41,588
Miscellaneous services	-1,628	-2,913	-3,946	-4,342	-4,863	-4,946	-5,100	-5,832	-6,064	-7,083	-7,972	-8,302
Income on foreign assets in U.S.	-5,518	-12,584	-14,217	-21,980	-32,980	-42,120	-52,329	-54,853	-52,376	-67,419	-62,901	-67,365
Direct investment	-876	-2,234	-2,834	-4,211	-6,367	-8,635	-6,895	-3,185	-5,886	-9,229	-6,078	-5,846
Other private payments	-3,917	-5,788	-5,841	-8,795	-15,481	-20,893	-26,553	-33,443	-26,953	-38,421	-35,518	-36,912
U.S. Government payments	-1,024	-4,542	-5,542	-6,674	-11,122	-12,562	-16,878	-18,265	-17,525	-19,789	-21,395	-22,607
<b>U.S. military grants of goods and services, net</b>	<b>-2,713</b>	<b>-2,367</b>	<b>-388</b>	<b>-338</b>	<b>-465</b>	<b>-756</b>	<b>-679</b>	<b>-886</b>	<b>-199</b>	<b>-153</b>	<b>-48</b>	<b>-101</b>
<b>Unilateral transfers (incl. military grants), net</b>	<b>-3,443</b>	<b>-4,688</b>	<b>-5,033</b>	<b>-5,532</b>	<b>-6,128</b>	<b>-7,893</b>	<b>-7,469</b>	<b>-8,906</b>	<b>-9,490</b>	<b>-12,178</b>	<b>-16,301</b>	<b>-16,889</b>
U.S. Government grants	-1,735	-2,694	-2,787	-3,178	-3,550	-4,731	-4,465	-5,501	-6,288	-8,541	-11,222	-11,773
U.S. Gov. pensions, private remittances, other transfers	-1,707	-1,974	-2,237	-2,376	-2,678	-2,862	-2,994	-3,405	-3,192	-3,637	-4,078	-3,865

# U.S. International Transactions

U.S. assets abroad, net (increase/capital outflow (-)).....	- 9,337	- 38,703	- 34,785	- 81,139	- 64,331	- 58,118	- 110,951	- 121,153	- 46,777	- 22,291	- 31,399	- 86,982
U.S. official reserve assets, net.....	2,481	- 649	- 375	732	- 1,133	- 8,155	- 5,175	- 4,955	- 1,196	- 3,131	- 3,856	312
U.S. Govt. assets, other than official reserve assets, net.....	- 1,589	- 3,474	- 3,693	- 4,880	- 3,746	- 5,162	- 5,097	- 6,131	- 5,006	- 5,476	- 2,831	- 1,920
U.S. loans and other long-term assets.....	- 3,293	- 5,941	- 6,445	- 7,470	- 7,697	- 9,680	- 9,674	- 10,083	- 9,967	- 9,599	- 7,680	- 8,915
Repayments on U.S. loans <sup>a</sup> .....	1,721	2,475	2,719	2,941	3,926	4,456	4,413	4,292	5,012	4,505	4,716	6,075
U.S. foreign currency holdings and U.S. short-term assets, net.....	- 16	- 9	33	- 131	25	242	164	- 360	- 51	- 382	113	920
U.S. private assets, net.....	- 10,229	- 35,360	- 30,717	- 57,202	- 59,453	- 72,802	- 100,679	- 110,056	- 43,576	- 13,685	- 24,711	- 94,374
Direct investments abroad.....	- 7,590	- 14,244	- 11,990	- 16,056	- 25,222	- 19,222	- 9,824	2,369	- 373	- 2,821	- 17,267	- 28,047
Foreign securities.....	- 1,076	- 6,247	- 5,460	- 3,626	- 4,726	- 3,563	- 5,699	- 7,963	- 6,762	- 4,756	- 7,481	- 3,302
U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns.....	- 596	- 1,357	- 1,940	- 3,853	- 3,291	- 3,174	- 1,181	6,626	- 6,513	5,019	1,361	- 3,996
U.S. claims reported by U.S. banks, n.i.e. <sup>1</sup> .....	- 987	- 13,532	- 11,427	- 33,667	- 26,213	- 46,636	- 64,175	- 111,070	- 29,928	- 11,127	- 1,323	- 59,039
Foreign assets in the U.S., net (increase/capital inflow (+)).....	6,359	15,670	51,319	84,899	38,752	58,112	83,032	93,746	84,899	102,467	129,872	213,396
Foreign official assets in the U.S., net.....	6,905	7,027	36,816	33,678	- 13,665	15,497	4,960	3,593	5,845	2,987	- 1,140	34,698
Other foreign assets in the U.S., net.....	- 550	8,643	14,503	30,358	52,416	42,615	78,072	90,154	79,023	98,481	131,012	178,699
Direct investments in U.S.....	1,464	2,603	3,726	7,997	11,877	18,916	25,195	13,782	11,946	25,359	19,022	25,053
U.S. Treasury securities.....	81	2,590	534	<sup>a</sup> 2,176	<sup>a</sup> 4,980	<sup>a</sup> 2,645	<sup>a</sup> 2,927	<sup>a</sup> 7,027	<sup>a</sup> 8,689	23,001	20,433	8,275
U.S. securities other than U.S. Treasury securities.....	2,180	2,503	2,437	2,254	1,351	5,457	6,905	6,065	8,164	12,568	50,962	70,802
U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns.....	2,014	319	1,066	1,889	1,621	6,852	917	- 2,383	- 116	4,704	- 450	- 2,791
U.S. liabilities reported by U.S. banks, n.i.e. <sup>1</sup> .....	- 6,288	626	8,719	18,141	32,607	10,743	42,126	65,633	50,342	33,849	41,045	77,350
Allocations of special drawing rights.....	987	-	-	-	1,139	1,162	1,993	-	-	-	-	-
Statistical discrepancy (sum of above items with sign reversed).....	- 219	5,917	- 2,023	12,521	25,431	24,982	19,942	36,085	11,154	26,837	17,920	23,947
Balance on merchandise trade.....	2,603	8,903	- 31,091	- 33,947	- 27,536	- 25,480	- 27,978	- 36,444	- 67,080	- 112,522	- 122,148	- 144,339
Balance on goods and services.....	5,773	22,994	- 9,486	- 9,875	5,136	9,486	14,344	278	- 36,786	- 94,835	- 101,093	- 125,694
Balance on goods, services, and remittances.....	4,057	21,011	- 11,724	- 12,251	2,559	6,604	11,350	- 3,177	- 39,957	- 96,472	- 105,171	- 129,579
Balance on current account.....	2,331	16,116	- 14,511	- 15,427	- 991	1,673	6,884	- 8,879	- 46,246	- 107,013	- 118,393	- 141,352

- Represents zero. <sup>1</sup> Excludes transfers of goods and services under U.S. military grant programs. <sup>a</sup> Excludes exports of goods under U.S. military agency sales contracts identified in Bureau of the Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics to a balance of payments basis. <sup>b</sup> Includes other end-use items, not shown separately. <sup>c</sup> Excludes automotive. <sup>d</sup> Includes engines. <sup>e</sup> Excludes sales of foreign obligations to foreigners. <sup>f</sup> Not included elsewhere. <sup>g</sup> Includes foreign currency notes sold to private residents abroad.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987.

## NO. 1330. INTERNATIONAL INVESTMENT POSITION, 1960 TO 1986, AND BY SELECTED AREAS, 1986

[In billions of dollars. Estimates for end of year, subject to considerable error due to nature of basic data. Direct investments at book value; other types at market or face values. See *Historical Statistics, Colonial Times to 1970*, series U 26-39, for similar data.]

TYPE OF INVESTMENT	1960	1965	1970	1975	1976	1977	1978	1979	1980
U.S. net international investment position	44.7	61.8	68.5	74.2	83.8	72.7	78.1	84.5	108.3
U.S. assets abroad	85.8	120.4	165.4	295.1	347.2	379.1	447.8	510.8	607.1
U.S. official reserve assets	19.4	15.5	14.5	16.2	18.7	19.3	16.8	19.0	28.8
U.S. Government assets, other	17.0	23.5	32.1	41.8	46.0	48.5	54.2	58.4	63.8
U.S. private assets	49.2	81.4	118.8	237.1	282.4	310.2	375.0	433.2	514.5
Foreign assets in U.S.	40.8	58.8	108.9	220.9	283.8	308.4	371.7	416.1	500.8
Foreign official assets	12.4	18.8	26.1	86.9	104.4	140.8	173.1	199.9	178.1
Other foreign assets	28.5	42.0	80.8	134.0	159.1	165.5	198.7	256.3	324.9

TYPE OF INVESTMENT	1981	1982	1983	1984	1985	1986				
						Total <sup>a</sup>	Western Europe	Canada	Latin America <sup>b</sup>	Japan
U.S. net international investment position	141.1	137.0	89.8	2.8	-111.8	-263.6	-286.1	48.8	25.3	-84.7
U.S. assets abroad	718.8	824.9	873.8	898.1	949.4	1,067.9	363.9	132.2	283.1	91.8
U.S. official reserve assets	30.1	34.0	33.7	34.9	43.2	48.5	11.3	(2)	.2	5.9
U.S. Government assets, other	68.7	74.8	79.5	84.9	87.7	89.4	10.0	.5	17.3	4
U.S. loans and other long-term assets	67.2	72.9	77.8	82.9	85.8	86.6	9.8	.5	17.1	.3
U.S. foreign currency holdings and short-term assets	1.5	1.7	1.7	2.0	1.8	.8	1	(2)	.2	(2)
U.S. private assets	621.1	718.4	780.7	778.3	818.5	929.9	342.7	131.6	265.7	85.6
Direct investments abroad	228.9	207.8	207.2	211.5	229.7	259.8	123.2	50.2	35.0	11.3
Foreign securities	63.4	75.5	83.8	89.1	112.8	131.1	68.4	80.8	2.9	4.7
U.S. claims on unaffiliated foreigners <sup>c</sup>	35.9	28.8	35.1	30.1	28.8	32.8	11.4	5.2	11.1	1.9
U.S. claims reported by U.S. banks <sup>d</sup>	263.5	404.8	434.5	445.6	447.4	506.4	141.7	25.6	216.7	87.7
Other foreign official assets	578.7	688.0	784.3	692.5	1,051.3	1,331.5	644.0	83.4	257.9	158.5
Foreign official assets in the U.S.	180.4	189.1	194.5	199.2	202.5	240.8	92.7	2.3	9.0	(?)
U.S. Government securities	125.1	132.8	137.0	143.0	143.4	177.4	(?)	(?)	(?)	(?)
Other U.S. Government liabilities	13.0	13.6	14.2	14.8	15.6	17.4	4.1	.3	.7	1.5
U.S. liabilities reported by U.S. banks <sup>e</sup>	28.7	25.0	25.5	26.1	28.7	27.3	(?)	(?)	(?)	(?)
Other foreign official assets	18.5	17.9	17.7	15.2	18.7	18.7	(?)	(?)	(?)	(?)
Other foreign assets in the U.S.	368.3	488.9	569.8	693.3	855.8	1,080.7	551.3	81.2	248.9	(?)
Direct investments	108.7	124.7	137.1	164.8	184.8	209.3	141.7	18.3	14.2	23.4
U.S. securities <sup>f</sup>	75.1	93.0	113.7	127.3	208.6	309.5	218.0	31.4	18.4	25.3
U.S. liabilities to unaffiliated foreigners <sup>g</sup>	30.6	27.5	28.9	31.0	29.4	28.7	12.8	2.0	3.4	3.0
U.S. liabilities reported by U.S. banks <sup>h</sup>	165.4	228.0	278.3	312.2	354.5	448.2	(?)	(?)	(?)	(?)
U.S. Treasury securities	18.5	25.8	33.8	55.2	83.6	96.0	(?)	(?)	(?)	(?)

Z Less than \$50 million. <sup>a</sup> Includes holdings of international and regional organizations that were shifted to "other foreign assets" in subsequent periods. <sup>b</sup> Includes other countries, international organizations, or unallocated, not shown separately. <sup>c</sup> Includes other Western Hemisphere. <sup>d</sup> Reported by U.S. nonbanking concerns. <sup>e</sup> Not included elsewhere. <sup>f</sup> Data included in "Foreign assets in the U.S." <sup>g</sup> Data included in "Foreign official assets in the U.S." <sup>h</sup> Excludes U.S. Treasury securities.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

## NO. 1331. U.S. RESERVE ASSETS: 1970 TO 1987

[In billions of dollars. As of end of year, except as indicated]

TYPE	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986	June
Total	14.5	16.2	19.3	18.7	19.0	28.8	38.1	34.0	34.8	43.2	46.5	46.1	46.1
Gold stock <sup>1</sup>	11.1	11.6	11.7	11.7	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.1
Special drawing rights	0	2.3	2.6	1.6	2.7	2.6	4.1	5.3	6.0	5.6	7.3	8.4	8.9
Foreign currencies	.5	1	(2)	4.4	5.8	10.1	8.8	10.2	6.9	8.7	12.9	17.3	13.9
Reserve position in IMF <sup>2</sup>	1.9	2.2	4.9	1.0	1.3	2.8	5.1	7.5	11.5	11.5	11.9	11.7	11.3

Z Less than \$50 million. <sup>1</sup> Includes gold in Exchange Stabilization Fund; excludes gold held under earmark at Federal Reserve banks for foreign and international accounts. Beginning 1975, gold assets were valued at \$42.22 pursuant to the amending of Section 2 of the Par Value Modification Act, PL-93-110, approved September 21, 1973. <sup>2</sup> International Monetary Fund.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; and Department of the Treasury, *Treasury Bulletin*, monthly.

### No. 1332. FOREIGN DIRECT INVESTMENT POSITION IN THE U.S.—VALUE, BY AREA AND INDUSTRY: 1970 TO 1986

(In millions of dollars. Book value at year end. Prior to 1975, covers U.S. firms, including real estate investments in which foreign interest or ownership was 25 percent or more; thereafter, ownership of 10 percent or more. Minus sign (—) indicates a negative position. See also *Historical Statistics, Colonial Times to 1970*, series U 47-74.)

AREA AND INDUSTRY	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, prel.
<b>All areas<sup>1</sup></b>	<b>13,278</b>	<b>27,982</b>	<b>42,471</b>	<b>54,482</b>	<b>63,046</b>	<b>108,714</b>	<b>134,577</b>	<b>137,081</b>	<b>184,863</b>	<b>184,518</b>	<b>208,329</b>
Petroleum	2,992	6,213	7,782	9,906	12,200	15,248	17,880	18,208	—	28,270	26,827
Manufacturing	8,140	11,366	17,202	20,876	32,889	40,533	44,066	47,886	51,802	50,584	66,057
Finance and insurance	2,258	3,152	5,231	7,675	12,027	14,748	17,933	18,934	24,881	27,429	30,914
Trade, wholesale and retail	894	4,844	9,181	11,662	15,210	20,537	23,804	28,513	31,219	35,873	41,880
<b>Canada</b>	<b>3,117</b>	<b>5,362</b>	<b>6,188</b>	<b>7,184</b>	<b>12,162</b>	<b>12,118</b>	<b>11,798</b>	<b>11,434</b>	<b>18,286</b>	<b>17,131</b>	<b>18,312</b>
Petroleum	180	886	723	843	1,817	1,801	1,550	1,281	1,544	1,589	1,365
Manufacturing	1,836	3,081	3,213	3,815	5,227	3,376	3,500	3,313	4,115	4,807	5,389
Finance and insurance	324	341	397	505	1,812	1,808	1,801	1,881	3,245	4,008	3,554
<b>Europe</b>	<b>8,554</b>	<b>18,984</b>	<b>28,180</b>	<b>37,403</b>	<b>54,988</b>	<b>72,377</b>	<b>83,188</b>	<b>92,938</b>	<b>108,311</b>	<b>121,413</b>	<b>141,888</b>
Petroleum	2,777	5,478	6,588	8,010	10,137	12,854	15,071	16,326	23,142	25,838	28,144
Manufacturing	4,081	8,673	11,717	13,952	21,953	30,897	33,032	38,888	39,883	45,841	55,077
Finance and insurance	1,805	2,088	3,575	5,529	8,673	10,884	12,801	8,450	16,945	17,022	20,500
<b>United Kingdom</b>	<b>4,127</b>	<b>6,531</b>	<b>7,638</b>	<b>9,796</b>	<b>14,106</b>	<b>18,585</b>	<b>26,447</b>	<b>32,152</b>	<b>36,367</b>	<b>43,555</b>	<b>51,267</b>
Petroleum	1,220	(d)	482	199	—	—	5,444	5,955	10,991	12,155	11,553
Manufacturing	1,391	1,833	3,014	3,547	6,159	7,802	8,504	9,221	9,179	11,687	14,898
Finance and insurance	1,141	832	1,589	2,432	3,350	4,589	5,851	3,777	5,485	6,483	8,862
<b>Netherlands</b>	<b>2,151</b>	<b>5,347</b>	<b>10,076</b>	<b>12,672</b>	<b>19,140</b>	<b>26,824</b>	<b>26,191</b>	<b>29,182</b>	<b>33,726</b>	<b>37,058</b>	<b>42,862</b>
Petroleum	1,311	(d)	5,041	6,478	9,265	11,547	8,098	8,646	9,981	11,481	(d)
Manufacturing	852	1,346	3,068	3,482	4,777	9,018	8,901	11,222	12,497	13,261	14,712
<b>Switzerland</b>	<b>1,545</b>	<b>2,138</b>	<b>2,679</b>	<b>3,449</b>	<b>5,070</b>	<b>5,474</b>	<b>6,378</b>	<b>—</b>	<b>8,146</b>	<b>10,588</b>	<b>12,134</b>
Manufacturing	1,147	1,308	1,949	2,281	3,116	3,278	3,584	4,185	4,774	6,881	7,750
Finance and insurance	398	830	730	1,168	1,954	1,896	1,794	—	—	—	—
<b>West Germany</b>	<b>680</b>	<b>1,408</b>	<b>3,664</b>	<b>5,665</b>	<b>7,596</b>	<b>9,459</b>	<b>9,860</b>	<b>10,845</b>	<b>12,330</b>	<b>14,816</b>	<b>17,368</b>
Manufacturing	(NA)	894	1,920	2,866	3,875	4,199	4,239	4,487	4,389	6,015	7,988
Finance and insurance	(NA)	(d)	253	798	1,248	1,339	1,428	1,416	1,902	(d)	1,688
<b>Other Europe</b>	<b>1,051</b>	<b>3,380</b>	<b>4,931</b>	<b>5,821</b>	<b>8,777</b>	<b>12,036</b>	<b>12,397</b>	<b>13,283</b>	<b>15,620</b>	<b>15,417</b>	<b>17,828</b>
Petroleum	(NA)	490	1,048	1,288	981	1,315	1,380	1,879	2,080	(d)	(d)
Manufacturing	(NA)	1,293	1,775	1,967	4,026	6,800	6,804	7,771	7,704	7,907	9,678
Finance insurance	(NA)	(d)	471	563	1,193	548	428	—	(d)	(d)	(d)
<b>Japan</b>	<b>228</b>	<b>881</b>	<b>2,748</b>	<b>3,483</b>	<b>4,723</b>	<b>7,887</b>	<b>8,677</b>	<b>11,338</b>	<b>18,044</b>	<b>18,313</b>	<b>23,433</b>
<b>Other areas</b>	<b>379</b>	<b>2,126</b>	<b>4,362</b>	<b>8,412</b>	<b>11,472</b>	<b>18,324</b>	<b>28,888</b>	<b>21,388</b>	<b>25,043</b>	<b>28,758</b>	<b>25,815</b>

D Withheld to avoid disclosure of data of individual companies. NA Not available. <sup>1</sup> Area totals include industries not shown separately. <sup>2</sup> Direct investments (in millions of dollars): Belgium and Luxembourg, 2,788; France, 7,415; Italy, 1,248; and Sweden, 3,842.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1987, and earlier issues.

### No. 1333. U.S. AFFILIATES OF FOREIGN COMPANIES—ASSETS, SALES, EMPLOYMENT, LAND, EXPORTS, AND IMPORTS: 1985

(A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust, corporation, or government) has a direct or indirect voting interest of 10 percent or more. Universe estimates based on a sample survey of nonbank affiliates with assets, sales, or net income of \$10 million or more.)

INDUSTRY	Total assets (mil. dol.)	Sales <sup>1</sup> (mil. dol.)	Employment <sup>2</sup> (1,000)	Employee compensation (mil. dol.)	GROSS BOOK VALUE		Land owned (1,000 acres)	Merchandise exports <sup>3</sup> (mil. dol.)	Merchandise imports <sup>4</sup> (mil. dol.)
					Plant and equipment <sup>5</sup> (mil. dol.)	Land (mil. dol.)			
<b>Total</b>	<b>79,231</b>	<b>898,118</b>	<b>2,888.8</b>	<b>79,888</b>	<b>283,888</b>	<b>27,578</b>	<b>14,884</b>	<b>38,888</b>	<b>111,736</b>
Mining	11,482	8,412	29.1	1,348	10,283	888	711	888	184
Petroleum	78,481	78,813	125.3	5,888	75,823	3,088	1,024	1,478	6,421
Manufacturing	170,114	185,377	1,438.9	44,567	110,885	3,888	6,430	12,882	18,888
Chemicals and allied products	81,447	82,484	428.7	14,018	51,488	1,412	1,358	5,188	4,270
Wholesale trade <sup>6</sup>	78,367	238,054	288.1	8,088	17,287	947	(d)	38,370	83,388
Motor vehicles and auto parts and supplies	20,921	64,234	71.8	2,516	5,888	312	(d)	3,308	32,888
Farm-product raw materials	7,240	38,288	20.0	552	1,785	92	57	20,284	7,804
Retail trade	19,884	37,378	478.9	6,276	10,888	731	(d)	337	1,272
Finance, except banking	223,828	24,868	48.2	3,288	2,308	84	6	(d)	(d)
Insurance	87,448	24,013	68.2	1,825	2,328	284	14	—	(d)
Real estate	61,418	12,132	31.8	712	48,883	15,888	2,488	(d)	(d)
Other	28,820	23,378	337.1	7,838	17,825	2,488	3,080	(d)	(d)

— Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than \$500,000.

<sup>1</sup> Excludes returns, discounts, allowances, and sales and excise taxes. <sup>2</sup> Average number of full-time and part-time employees. <sup>3</sup> Includes other property, value of mineral rights owned and capitalized value of mineral rights leased. <sup>4</sup> F.o.b. value at port of exportation. <sup>5</sup> Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987, and *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies, Preliminary 1985 Estimates*.



**No. 1334. U.S. BUSINESSES ACQUIRED OR ESTABLISHED BY FOREIGN DIRECT INVESTORS, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1985 AND 1986**

[Foreign direct investment is the ownership or control, directly or indirectly, by one foreign individual branch, partnership, association, trust, corporation, or government of 10 percent or more of the voting securities of a U.S. business enterprise or an equivalent interest in an unincorporated one. Data represent number and full cost of acquisitions of existing U.S. business enterprises, including business segments or operating units of existing U.S. business enterprises and establishments of new enterprises. Investments may be made by the foreign direct investor itself, or indirectly by an existing U.S. affiliate of the foreign direct investor. Covers investments in U.S. business enterprises with assets of over \$1 million, or ownership of 200 acres of U.S. land]

INDUSTRY	1985						1986, prel.					
	Investments			Investors			Investments			Investors		
	Total	Acqui- sition	Estab- lish- ments	Total	For- sign direct inves- tors	U.S. affili- ates	Total	Acqui- sition	Estab- lish- ments	Total	For- sign direct inves- tors	U.S. affili- ates
<b>NUMBER OF INVESTMENTS <sup>1</sup></b>												
<b>Total.....</b>	<b>753</b>	<b>380</b>	<b>363</b>	<b>817</b>	<b>320</b>	<b>497</b>	<b>689</b>	<b>320</b>	<b>321</b>	<b>714</b>	<b>316</b>	<b>398</b>
Agriculture and forestry.....	26	2	26	29	19	10	22	1	21	27	23	4
Mining.....	8	7	1	9	-	9	10	9	1	10	-	10
Petroleum.....	31	26	5	33	12	21	18	12	6	16	10	8
Manufacturing.....	227	195	32	242	79	163	211	174	37	226	86	140
Wholesale trade.....	54	30	24	58	26	32	47	36	11	50	13	37
Retail trade.....	33	31	2	34	6	28	20	18	2	20	7	13
Banking.....	14	5	9	14	9	5	10	3	7	10	7	3
Finance, except banking.....	27	7	20	32	15	17	19	7	12	20	7	13
Insurance.....	7	5	2	7	1	6	9	7	2	9	2	7
Real estate.....	246	19	229	278	127	151	206	11	195	227	122	107
Other.....	76	63	13	81	26	55	87	60	27	97	39	58
<b>INVESTMENT OUTLAYS (mil. dol.)</b>												
<b>Total.....</b>	<b>23,106</b>	<b>20,689</b>	<b>3,023</b>	<b>23,106</b>	<b>4,225</b>	<b>18,881</b>	<b>31,472</b>	<b>26,467</b>	<b>6,005</b>	<b>31,472</b>	<b>6,309</b>	<b>26,164</b>
Agriculture and forestry.....	84	(D)	(D)	(D)	(D)	(D)	77	2	75	77	71	6
Mining.....	294	227	67	294	-	294	323	321	2	323	-	323
Petroleum.....	2,970	2,981	9	2,970	276	2,694	829	796	33	829	693	136
Manufacturing.....	12,140	11,742	398	12,140	1,935	10,205	13,712	13,019	693	13,712	3,028	10,685
Wholesale trade.....	804	677	127	804	230	574	761	710	50	761	370	391
Retail trade.....	1,217	1,196	19	1,217	60	1,157	5,070	5,065	5	5,070	122	4,948
Banking.....	257	222	35	257	46	209	207	(D)	(D)	207	(D)	(D)
Financing, except banking.....	489	178	311	489	59	431	1,533	474	1,059	1,533	662	871
Insurance.....	908	891	17	908	756	152	1,523	(D)	(D)	1,523	(D)	(D)
Real estate.....	1,921	191	1,730	1,921	493	1,428	3,993	194	3,799	3,993	1,031	2,961
Other.....	2,041	(D)	(D)	(D)	(D)	(D)	3,446	3,262	184	3,446	234	3,212

- Represents zero. D Withheld to avoid disclosure of data of individual companies. <sup>1</sup> Excludes investments that do not meet asset or acreage criteria in headnote.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987.

**No. 1335. U.S. BUSINESSES ACQUIRED BY FOREIGN DIRECT INVESTORS—ASSETS, SALES, AND EMPLOYMENT, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1985 AND 1986**

[See headnote, table 1334. Minus sign (-) indicates loss]

INDUSTRY	1985					1986, prel.				
	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employ- ment (1,000)	Acres of land owned (1,000)	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employ- ment (1,000)	Acres of land owned (1,000)
<b>Total.....</b>	<b>29,478</b>	<b>30,581</b>	<b>210</b>	<b>264.5</b>	<b>2,205.8</b>	<b>41,245</b>	<b>104,890</b>	<b>965</b>	<b>319.9</b>	<b>1,998.3</b>
Agriculture and forestry.....	(D)	(D)	1	(D)	(D)	1	(Z)	(Z)	-	(D)
Mining.....	(D)	303	-39	2	357.3	727	516	31	4.1	56.1
Petroleum.....	(D)	4,009	160	6.1	37.6	6,605	8,796	153	9.2	18.8
Manufacturing.....	14,759	19,463	117	153.1	1,759.8	15,136	17,167	446	144.6	1,013.8
Wholesale trade.....	534	1,122	(Z)	4.2	(D)	944	2,166	40	7.4	.8
Retail trade.....	1,112	1,903	30	40.2	.6	4,265	7,115	200	108.8	1.9
Banking.....	2,166	214	15	(D)	(Z)	(D)	(D)	2	(D)	(D)
Finance, except banking.....	2,885	350	15	1.7	(D)	5,303	65,366	14	(D)	(D)
Insurance.....	863	489	-3	5.2	(Z)	(D)	(D)	66	5.6	.6
Real estate.....	290	27	-7	(D)	(Z)	402	93	3	(Z)	5.4
Other.....	(D)	(D)	-78	(D)	(D)	3,413	2,430	-60	36.5	(D)

- Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Fewer than 500 or less than \$500,000.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987.

## NO. 1336. U.S. DIRECT INVESTMENT POSITION ABROAD AND INCOME, BY COUNTRY, 1960 TO 1965, AND BY SELECTED INDUSTRIES, 1960

[In millions of dollars. Direct investments represent private enterprises in one country controlled by investors in another country or in the management of which foreign investors have an important role. Negative position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its investment in the foreign affiliate. See also *Historical Statistics*, series U 41-46]

COUNTRY	DIRECT INVESTMENT POSITION (at yearend)										INCOME *					
	1960	1962	1963	1964	1965	1966, prel.			1960	1962	1963	1964	1965	1966, prel.		
						Total <sup>1</sup>	Man- ufac- turing	Petro- leum						Finance *	Total <sup>1</sup>	Man- ufac- turing
<b>All areas</b>	218,978	207,762	207,303	211,480	228,748	268,890	107,341	91,181	32,813	37,146	21,360	21,217	22,665	38,067	17,813	7,476
<b>Developed countries</b>	168,314	154,261	155,736	167,123	171,869	194,710	87,183	38,808	27,873	24,838	11,846	13,436	15,970	31,186	15,962	5,993
Canada	45,119	43,511	44,376	46,730	47,106	50,176	23,786	10,836	6,442	5,856	2,547	4,908	4,237	5,185	2,770	823
Europe	90,267	82,449	82,178	91,590	105,371	123,163	54,126	24,310	19,331	15,991	7,809	7,399	19,905	22,126	11,148	4,085
Belgium	6,259	5,549	4,438	4,584	5,333	6,302	5,036	1,109	462	556	219	251	1,205	1,498	708	277
France	9,347	7,391	6,614	6,406	7,670	9,471	6,561	505	246	1,253	170	140	1,525	2,177	1,801	128
Ireland	2,319	2,031	2,480	2,809	3,608	4,250	3,329	(0)	930	392	398	422	736	662	574	30
Italy	5,367	4,316	4,461	4,594	5,711	6,967	4,866	328	378	1,266	391	326	1,114	2,690	1,827	351
Netherlands	8,009	6,760	6,813	5,839	7,286	11,874	4,697	3,418	1,810	1,853	1,020	1,107	2,205	3,300	1,112	1,582
Norway	1,679	2,736	3,094	2,841	3,816	3,798	74	3,318	(0)	565	637	699	600	411	18	308
Switzerland	11,280	12,853	14,089	14,725	15,786	17,488	1,501	(0)	6,359	1,865	1,387	1,944	2,114	2,485	311	(0)
United Kingdom	26,480	27,537	27,837	28,553	32,601	34,960	13,960	8,673	7,267	5,408	2,399	2,615	5,965	3,067	1,336	480
West Germany	15,415	15,463	15,319	14,823	16,743	20,344	13,007	3,212	1,177	1,864	880	272	3,389	4,825	3,058	780
Japan	6,225	6,407	7,661	7,636	9,246	11,333	5,306	2,823	689	839	538	1,105	1,617	3,258	1,702	755
Australia	7,854	9,069	9,005	8,918	8,427	8,384	3,190	1,321	1,098	1,217	826	748	203	391	26	165
South Africa	2,350	2,261	1,967	1,440	1,154	1,143	591	(0)	56	666	206	367	46	176	66	14
<b>Developing countries<sup>2</sup></b>	53,208	48,668	48,748	48,163	52,839	60,809	30,079	17,762	5,140	11,894	8,791	7,239	6,436	6,846	2,121	1,534
South and Central America	26,536	30,008	28,652	26,567	27,658	28,087	14,932	3,360	3,816	3,889	1,409	709	1,975	2,531	1,537	349
Argentina	2,540	2,864	2,702	2,753	2,713	2,986	1,749	473	54	695	471	601	114	362	218	106
Brazil	7,704	9,280	9,068	8,237	8,669	9,135	7,095	151	1,109	496	760	544	483	723	857	166
Colombia	1,012	1,769	2,123	2,111	2,142	2,049	677	965	83	68	195	148	158	110	80	29
Mexico	5,996	5,019	4,381	4,997	5,070	4,836	3,626	42	164	1,167	1,121	260	632	197	223	11
Paraguay	3,170	4,413	4,837	4,474	4,004	4,352	253	498	2,114	468	572	782	497	826	67	101
Peru	1,865	1,990	2,042	1,902	1,852	1,116	47	422	5	(0)	290	130	113	11	(2)	13
Venezuela	1,906	2,631	1,711	1,761	1,868	1,843	928	243	201	108	303	153	22	76	69	20
<b>Other Western Hemisphere</b>	12,226	1,847	4,619	3,941	243	6,894	261	1,817	-407	3,280	2,085	442	134	368	-8	69
Bahamas, The	2,712	3,121	3,763	3,331	3,403	3,217	33	846	43	1,003	1,316	617	1,072	848	7	24
Bermuda	11,045	11,519	11,056	13,019	12,878	14,595	-	407	13,916	1,551	1,279	1,211	1,225	1,706	-	87
Netherlands Antilles	-4,396	-19,759	-22,956	-24,694	-20,668	-16,895	25	57	16,186	33	1,061	3,322	3,234	2,790	6	3
<b>Other Africa<sup>3</sup></b>	3,779	4,205	4,123	4,456	4,496	4,263	291	3,368	46	1,406	618	741	657	163	3	53
Middle East <sup>4</sup>	2,163	3,560	4,451	5,025	4,811	5,353	246	2,927	222	-22	1,274	654	393	500	-78	513
<b>Other Asia and Pacific</b>	8,505	12,142	13,036	15,045	15,330	16,023	4,360	8,340	1,463	3,542	3,507	3,805	3,078	2,267	698	780
Hong Kong	2,078	2,664	3,066	3,253	3,296	3,580	448	425	1,893	564	647	514	513	599	129	61
Indonesia	1,314	2,295	2,770	4,063	4,432	4,305	236	3,648	186	2,080	1,758	1,995	1,339	506	8	487
International	3,955	5,314	5,721	5,204	5,340	4,571	-	3,762	-	614	1,031	1,006	258	339	-	327
<b>Admission OPEC<sup>5</sup></b>	8,080	8,081	8,440	10,481	10,496	11,266	1,419	6,806	468	2,591	3,463	3,373	2,444	1,396	112	1,233

- Represents zero.

D Suppressed to avoid disclosure of individual companies.

2 Less than \$500,000.

3 Includes insurance. Excludes affiliates.

4 For 1960, equals sum of interest, dividends, earnings of unincorporated affiliates, and reinvested earnings of incorporated affiliates, 1962-1966, defined as interest plus earnings minus foreign withholding taxes on distributed earnings.

5 Includes affiliates that have operations spanning more than one country and that are engaged in petroleum shipping, other water transportation, or operating oil and gas drilling equipment that is moved from country to country during the year.

\* Includes Egypt and all other in Africa except South Africa.

Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Oman, United Arab Emirates, and Yemen.

See table 624 for list of countries.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1967.

## No. 1337. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1945 TO 1986

[In millions of dollars. "P.L." means Public Law. For explanation of minus sign (-), see headnote, table 1336. See also text, section 29, and *Historical Statistics, Colonial Times to 1970*, series U 75-101]

PROGRAM	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976- 1985, total	1982	1983	1984	1985	1986, prel.
Total, net	53,499	46,723	70,367	194,192	11,838	11,614	13,987	14,335	14,988
Investment in international financial institutions <sup>1</sup>	635	655	2,719	10,432	1,007	1,359	1,427	1,302	1,461
Under assistance programs, net	52,864	46,067	67,647	93,760	10,830	10,245	12,560	13,033	13,419
Developed countries <sup>2</sup>	38,039	5,834	618	757	-83	271	86	-530	738
Developing countries <sup>3</sup>	14,825	43,233	67,032	93,002	10,914	9,974	12,474	13,563	12,681
Net new military grants	14,810	21,564	30,238	14,958	1,368	1,317	2,320	3,131	4,131
Developed countries <sup>2</sup>	8,910	7,931	891	1,370	201	226	154	123	163
Developing countries <sup>3</sup>	5,901	13,633	29,345	13,588	1,166	1,091	2,166	3,008	3,968
Gross new grants	16,044	21,805	30,281	14,994	1,373	1,321	2,328	3,134	4,134
Foreign Assistance Act <sup>4</sup>	13,427	21,789	30,281	14,994	1,373	1,321	2,328	3,134	4,134
Military supplies and services	12,282	20,652	9,802	2,439	348	164	159	49	104
Military assistance, service funded <sup>5</sup>	-	8	18,181	-	-	-	-	-	-
Financing of military purchases <sup>6</sup>	-	-	1,084	10,122	755	934	2,022	2,964	3,873
Relocation of facilities in transit	-	-	-	800	-	-	-	-	-
Other special programs	1,145	1,100	734	1,633	272	203	145	121	157
Other	1,617	36	-	-	-	-	-	-	-
Less: Reverse grants and returns	234	247	45	36	4	4	6	3	3
Other grants, credits, and other assistance (through net accumulation of foreign currency claims)	38,064	27,508	37,412	78,801	9,551	8,928	10,240	9,898	9,286
Developed countries <sup>2</sup>	27,129	2,097	-75	812	-284	45	-58	-853	575
Developing countries <sup>3</sup>	10,935	29,800	37,487	79,413	9,835	8,883	10,298	10,551	8,712
Net new economic and technical aid grants <sup>7</sup>	28,871	17,675	21,748	43,293	4,748	5,354	6,519	8,257	7,900
Developed countries <sup>2</sup>	20,294	780	-182	463	94	100	120	54	101
Developing countries <sup>3</sup>	8,576	16,895	21,929	42,830	4,652	5,254	6,399	8,173	7,799
Gross new grants	30,225	17,993	22,003	43,302	4,748	5,354	6,519	8,257	7,951
Foreign Assistance Act <sup>4</sup>	17,711	12,189	12,191	31,525	3,904	4,018	5,065	6,505	6,439
Farm products disposal:									
Foreign currencies, P.L. 83-480 <sup>8</sup>	-	2,048	4,234	186	10	25	9	8	3
Famine and other urgent relief	530	2,704	2,662	5,017	461	582	688	874	617
Payment of transportation	-	494	946	1,900	199	175	291	391	265
Food for development loan forgiveness	-	-	-	353	59	91	40	11	53
Supplies to military or trusteeship administration areas	5,872	132	536	1,246	189	127	141	183	217
Peace Corps	-	232	912	979	102	119	110	120	130
Other	6,113	194	321	2,106	227	221	244	257	228
Less: Reverse grants and returns	1,353	318	255	9	-	-	-	-	52
Net new credits <sup>9</sup>	8,642	7,025	16,864	36,796	4,801	3,579	3,714	1,832	1,367
Developed countries <sup>2</sup>	8,646	-3,207	310	-1,019	-367	-54	-178	-730	471
Developing countries <sup>3</sup>	1,996	10,232	16,544	36,815	5,168	3,633	3,891	2,562	897
New credits	12,039	15,429	37,422	72,200	8,594	6,176	7,775	5,920	7,008
Export-Import Bank Act	4,271	5,257	15,505	22,099	2,276	2,598	2,491	1,800	1,239
Foreign Assistance Act <sup>4</sup>	1,919	6,196	12,063	35,324	4,501	4,514	3,945	2,759	2,931
Country program loans	1,785	5,722	9,262	10,752	1,125	989	780	876	812
Financing of military purchases	9	247	9,089	24,288	3,368	3,536	3,185	2,080	2,307
Social Progress Trust Fund	-	228	487	142	-1	5	-4	-16	-5
Other	145	2	116	144	11	4	4	9	17
P.L. 83-480 <sup>8</sup>	48	3,839	7,161	8,142	799	797	909	1,055	991
Loans of foreign currency:									
To foreign governments	48	3,285	1,643	10	1	(2)	(2)	(2)	-
To private enterprises	-	202	217	16	4	3	2	-	2
Long-term credit sales	-	352	5,101	8,116	769	794	907	1,055	998
P.L. 80-806 <sup>10</sup>	-	-	2,433	5,559	39	261	428	300	1,838
Other	5,801	197	271	1,074	1,010	7	2	6	-
Less: Principal collections	3,397	8,404	20,469	36,404	3,782	4,597	4,081	4,398	5,949
Export-Import Bank Act	1,803	4,456	9,262	15,216	1,585	1,914	2,186	2,486	2,808
Foreign Assistance Act <sup>4</sup>	38	1,283	3,557	11,234	1,335	1,283	1,329	1,236	1,578
Country program loans	1	944	2,481	4,217	451	434	436	492	542
Financing of military purchases	2	222	862	8,492	839	817	855	736	1,085
Social Progress Trust Fund	-	9	196	354	28	24	24	24	17
Other	35	68	26	171	17	18	12	18	22
P.L. 83-480 <sup>8</sup>	-	180	3,753	2,923	334	396	330	289	367
Loans of foreign currency:									
To foreign governments	-	111	2,354	551	58	44	43	28	37
To private enterprises	-	43	175	96	5	5	4	2	3
Long-term credit sales	-	27	1,223	2,276	273	317	283	248	327
Land-lease, surplus property, and grant settlements	577	2,001	1,436	399	20	20	22	18	20
P.L. 80-806 <sup>10</sup>	-	-	1,763	4,748	298	84	108	186	572
Other	890	501	877	1,887	280	950	108	100	101

See footnotes at end of table.

## No. 1337. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1945 TO 1986—Continued

[In millions of dollars. See headnote, p. 762]

PROGRAM	1945- 1966, total	1966- 1968, total	1968- 1975, total	1976- 1986, total	1982	1983	1984	1985	1986, prel.
Other assistance (through net accumulation of foreign currency claims) <sup>10</sup>	541	2,802	-1,290	-287	3	-5	7	9	21
Developed countries <sup>8</sup>	190	330	-203	-56	26	-1	-1	-7	4
Developing countries <sup>8</sup>	351	2,472	-1,086	-231	-25	-4	8	15	18
Currency claims acquired	813	11,498	6,888	1,227	126	93	79	97	136
Sales of farm products	813	11,170	3,013	114	29	4	1	10	50
Second-stage operations <sup>11</sup>	-	329	3,875	1,113	97	89	78	87	96
Less: Currencies disbursed	272	8,688	8,177	1,514	123	89	72	89	114
Economic grants and credits to purchasing country	182	6,863	6,238	180	11	25	5	2	5
Other uses	90	1,833	1,940	1,334	111	73	67	96	110

- Represents zero. Z Less than \$500,000. <sup>1</sup> For details, see table 1338. <sup>2</sup> Developed countries include Australia, Canada, Japan, New Zealand, South Africa, all countries listed under "Western Europe" in table 1338, except Portugal, Spain (through 1981), Yugoslavia, and Malta, and all countries listed under "Eastern Europe" in table 1338. Developing countries include all other countries listed in table 1338 (including Spain through 1981). <sup>3</sup> Foreign Assistance Act of 1961 (P.L. 87-195), as amended. Also includes predecessor and related programs. <sup>4</sup> Includes military assistance under Dept. of Defense Appropriation Act, 1966 (P.L. 89-394) and later acts. <sup>5</sup> Includes funds made available under Public Law 93-198 and subsequent legislation to ease Israel from its contractual liability to pay for defense articles and services purchased under other legislation. <sup>6</sup> Net new grants are not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior credits converted into credits, which were as follows: 1946-55, \$1,483 million; 1956-65, \$491 million; 1972, \$994 million. Payments on these settlements are included in net new credits. <sup>7</sup> Agricultural Trade Development and Assistance Act of 1954. <sup>8</sup> Outstanding credits on Dec. 31, 1986, totaled \$72,177 million representing net credits extended since organization of the International Bank for Reconstruction and Development, Feb. 12, 1946, less chargeoffs and net adjustments due to exchange rates (\$1,919 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was \$70,579 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers. <sup>9</sup> Commodity Credit Corporation Charter Act of 1954. <sup>10</sup> Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and currencies lost by exchange rate fluctuations (\$1,583 million), was \$205 million on Dec. 31, 1986. <sup>11</sup> Includes foreign currencies acquired from triangular trade operations and principal and interest collections on credits, originally extended under P.L. 83-480, which—since enactment of P.L. 87-128—are available for the same purposes as P.L. 83-480 currencies.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

## D. 1338. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY TYPE AND COUNTRY: 1945 TO 1986

millions of dollars. See text, section 29. Negative figures (-) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the U.S. Government exceeds new grants and new credits utilized and/or acquisitions of foreign currencies through new sales of farm products. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186.

TYPE AND COUNTRY	1945- 1966, total	1966- 1968, total	1968- 1975, total	1976- 1986, total	1982	1983	1984	1985	1986, prel.
Total, net	53,499	49,723	70,367	104,192	11,928	11,814	13,987	14,339	14,900
Investment in financial institutions	635	655	2,719	10,432	1,007	1,386	1,427	1,302	1,481
African Development Bank	-	-	-	54	-	18	18	18	15
African Development Fund	-	-	-	125	-	23	57	20	53
Asian Development Bank	-	-	110	602	59	58	80	135	110
Inter-American Development Bank	-	300	1,321	2,770	189	235	353	321	351
Intl. Bank for Reconst. and Development	635	-	13	353	48	34	27	41	241
International Development Association	-	320	1,275	6,417	897	1,002	892	768	655
International Finance Corporation	-	35	-	111	14	-	-	-	26
Other assistance programs	52,864	49,067	67,647	93,760	10,920	10,246	12,560	13,029	13,419
Western Europe	33,783	6,752	1,004	1,826	-172	154	253	-202	-7
Austria	1,019	193	-19	34	8	(z)	3	10	-9
Belgium and Luxembourg	1,806	305	17	-46	-15	-17	-17	-15	-9
Denmark	586	276	64	-56	-4	-13	-12	-30	-7
Finland	86	-28	-19	21	-6	19	-11	-2	-47
France	8,810	-171	-83	-222	-5	6	-17	-47	-26
Iceland	34	33	-8	-12	-1	-1	-1	-1	-2
Ireland	146	-16	-51	7	8	-7	-4	(z)	2
Italy	3,967	1,435	85	133	-26	-25	-12	-64	-107
Malta	1	3	47	34	-	-	-	(z)	(z)
Netherlands	1,779	322	116	-180	-26	-20	-14	-9	-1
Norway	697	362	379	-257	-26	-12	-4	-31	-16
Portugal	248	241	34	1,003	(z)	55	129	101	178
Spain	258	1,203	807	965	27	101	222	-85	67
Sweden	108	-20	17	-1	-4	-5	-3	-6	-6
United Kingdom	7,495	105	-546	-964	-208	-119	-134	-121	-202
West Germany	3,907	10	-117	-117	-9	-6	-6	-2	-
Yugoslavia	1,471	1,151	64	174	-31	20	17	18	-21
Other <sup>1</sup> and unspecified	1,534	1,348	407	1,112	147	178	116	102	200

See footnotes at end of table.

**NO. 1338. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY TYPE AND COUNTRY:  
1945 TO 1986—Continued**

[In millions of dollars. See headnote, p. 763]

COUNTRY	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976- 1985, total	1982	1983	1984	1985	1986, prel.
<b>Eastern Europe.....</b>	<b>1,097</b>	<b>501</b>	<b>229</b>	<b>1,928</b>	<b>55</b>	<b>54</b>	<b>5</b>	<b>15</b>	<b>1,108</b>
Czechoslovakia.....	191	-	-	-5	(Z)	-2	-3	-	-
Poland.....	425	555	-75	1,016	86	74	67	45	1,267
Romania.....	-	-	92	55	-16	5	-16	35	-28
Soviet Union.....	425	-59	214	-44	-11	-21	-39	-68	-66
Other end unspecified.....	56	5	-5	6	-4	-2	-2	3	-6
<b>Near East and South Asia.....</b>	<b>5,092</b>	<b>16,828</b>	<b>17,198</b>	<b>50,798</b>	<b>6,005</b>	<b>5,898</b>	<b>6,458</b>	<b>7,437</b>	<b>7,981</b>
Afghanistan.....	31	227	185	56	-1	-2	-4	-21	-3
Bangladesh.....	-	-	701	1,670	202	219	265	175	178
Cyprus.....	-	19	20	136	-2	(Z)	1	17	21
Egypt.....	41	1,009	271	13,599	2,344	2,060	1,925	2,231	2,730
Greece.....	2,147	1,281	905	362	-52	19	-14	-21	72
India.....	399	4,890	3,810	1,016	89	74	83	42	36
Iran.....	314	1,081	914	-847	-	-306	-	-	-
Iraq.....	13	81	-5	5	-1	32	-8	-12	-5
Israel.....	390	463	3,780	25,416	2,181	2,660	3,094	3,897	4,030
Jordan.....	28	495	618	1,320	170	67	-15	-1	7
Lebanon.....	15	76	90	233	-2	57	32	34	-12
Nepal.....	3	56	105	177	22	28	24	26	20
Oman.....	-	-	(Z)	79	22	3	14	-4	12
Pakistan.....	189	3,082	2,048	1,971	167	348	415	481	350
Saudi Arabia.....	13	35	23	-20	-1	-2	-2	-2	-1
Sri Lanka.....	(Z)	69	153	512	49	63	83	90	66
Syria.....	1	57	15	262	27	25	1	(Z)	(Z)
Turkey.....	1,295	3,020	2,703	3,780	665	490	442	479	298
Yemen (Sanaa).....	-	40	24	216	30	37	33	41	39
UNRWA <sup>a</sup> .....	131	274	296	596	69	71	67	75	67
Other end unspecified.....	82	510	559	265	28	26	22	-3	27
<b>Africa.....</b>	<b>148</b>	<b>2,272</b>	<b>3,610</b>	<b>11,091</b>	<b>1,192</b>	<b>1,224</b>	<b>1,699</b>	<b>2,012</b>	<b>1,291</b>
Algeria.....	1	135	263	345	(Z)	-63	-106	-131	-129
Angola.....	-	-	6	115	37	-6	-5	36	27
Benin.....	-	7	12	44	4	2	4	5	3
Botswana.....	-	(Z)	35	169	20	18	28	29	20
Burkina.....	-	5	40	267	30	30	40	49	29
Burundi.....	-	4	5	82	8	8	13	9	5
Cameroon.....	-	16	50	150	14	3	20	5	11
Cape Verde.....	-	-	1	66	12	12	6	5	9
Chad.....	(Z)	5	20	145	6	23	29	41	25
Ethiopia.....	13	200	297	310	2	6	30	157	89
Ghana.....	(Z)	64	203	152	7	8	20	18	13
Guinea.....	-	56	68	74	1	2	4	11	14
Ivory Coast.....	-	14	57	57	-5	-3	2	12	5
Kenya.....	(Z)	34	76	549	54	81	66	82	36
Lesotho.....	-	(Z)	27	197	27	29	37	23	23
Liberia.....	25	139	86	459	72	66	107	71	52
Libya.....	25	192	6	-	-	-	-	-	-
Madagascar.....	(Z)	7	13	66	15	10	20	24	21
Malawi.....	-	5	30	56	3	7	10	6	11
Mali.....	-	12	56	196	15	16	32	50	45
Mauritania.....	-	1	20	161	13	22	26	36	19
Morocco.....	7	464	413	946	58	117	313	139	175
Mozambique.....	-	-	1	174	5	11	21	51	39
Niger.....	-	5	84	223	22	18	25	93	33
Nigeria.....	(Z)	67	284	267	-5	60	49	151	1
Rwanda.....	-	2	13	91	12	11	19	18	24
Senegal.....	-	18	46	361	33	50	75	61	46
Sierra Leone.....	(Z)	22	36	85	8	11	9	11	12

See footnotes at end of table.

**1998. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY TYPE AND COUNTRY:**  
**1945 TO 1986—Continued**

[In millions of dollars. See headnote, p. 763]

COUNTRY	1945-1965, total	1966-1986, total	1966-1975, total	1976-1986, total	1982	1983	1984	1985	1986, pre!
<b>and</b>									
	(2)	42	47	582	77	81	115	117	112
	-	85	52	1,358	261	212	223	443	164
	(2)	8	8	58	7	11	7	8	9
	2	34	123	258	28	20	22	21	10
	-	9	16	80	7	6	8	8	10
	2	407	376	563	118	125	113	40	3
	-	12	33	40	2	4	3	6	4
	(2)	258	342	638	85	44	208	68	104
	-	1	35	338	15	25	53	60	77
	-	(2)	(2)	271	27	82	74	54	22
<b>specified</b>	71	-75	343	780	97	75	87	130	117
<b>total</b>	19,488	19,188	34,778	9,836	814	1,189	668	230	64
	1	(2)	278	-12	37	75	-5	-38	118
	25	134	43	31	6	3	7	7	7
	28	327	1,771	-	-	-	-	-	-
<b>and</b>	-	-	-	48	12	9	20	6	-8
<b>total</b>	1,267	2,681	1,523	648	35	-44	-144	-255	-262
	3	36	41	11	11	-9	-14	-14	-11
	250	501	1,388	1,651	21	258	224	38	13
<b>public</b>	3,275	1,318	-345	-210	-54	-15	-98	-87	88
	37	647	1,888	-	-	-	-	-	-
	1	30	88	38	5	81	6	-11	15
	5	2	95	88	19	15	13	-11	-10
<b>and, Trust Territory of the</b>	30	88	488	1,280	188	127	143	154	218
	1,057	554	729	1,488	61	239	141	334	448
	-	(2)	78	110	-15	-34	56	-53	-163
	1,421	4,744	5,428	3,518	475	449	208	-	-148
	182	727	998	733	49	80	110	68	62
	244	3,888	18,721	-	-	-	-	-	-
<b>specified</b>	2,528	844	595	405	42	29	31	28	27
<b>sphere</b>	1,257	5,181	8,816	8,881	1,882	832	2,079	2,143	1,786
	88	342	34	21	31	25	18	14	88
	(2)	(2)	28	-25	(2)	(2)	-	(2)	1
	-	-	18	-18	-	-	-	-	-
	77	288	270	414	33	52	38	71	110
	511	1,400	1,518	388	-127	40	90	388	-19
	-1	4	272	317	81	97	98	-87	81
	102	740	724	985	51	-47	-28	-7	67
	44	448	646	288	7	83	104	83	83
	16	83	103	687	46	202	183	213	138
<b>public</b>	1	184	380	550	73	38	141	154	238
	34	131	144	153	-4	10	48	50	87
	4	88	93	1,881	240	329	448	448	378
	23	148	180	288	23	33	25	52	88
	(2)	7	71	-	5	2	-1	(2)	2
	27	75	42	370	48	42	44	86	-
	6	53	113	801	85	112	210	243	224
	16	3	120	644	108	114	152	151	121
	226	178	305	1,182	1,084	548	97	40	52
	8	87	150	187	8	3	1	-2	(2)
	10	103	210	205	13	15	54	43	24
	4	67	86	22	2	3	(2)	1	(2)
	55	304	274	756	(2)	88	213	181	82
<b>Tobago</b>	-	35	21	151	11	19	19	21	-32
	8	80	116	-9	10	5	3	-4	11
	8	158	115	-35	-1	8	-37	30	31
<b>Inter-American Bank for Economic</b>	-	8	121	38	(2)	3	-4	-4	-5
<b>Development Bank</b>	-	-	8	108	14	14	1	1	1
<b>specified</b>	8	218	495	1,235	134	181	173	188	187
<b>Other organizations and areas</b>									
	1,022	1,335	4,018	9,738	1,133	828	1,384	1,484	1,345

Is zero Z Less than \$500,000 \* Includes European Atomic Energy Community European Coal and Steel Community European Economic Cooperation \* United Nations Relief and Works Agency for Palestine refugees. \* Excludes for October 1986, with Commonwealth of the Northern Mariana Islands, includes transactions with Federated States of the Marshall Islands, and Republic of Palau. \* Includes Andean Development Corporation, Eastern Caribbean Bank, Inter-American Institute of Agricultural Sciences, Organization of American States, and Pan American Union.

Bureau of Economic Analysis, press releases and unpublished data.



No. 1339. U.S. FOREIGN ECONOMIC AND MILITARY AID PROGRAMS: 1946 TO 1986

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Economic aid shown here represents total U.S. economic aid—not just aid under Foreign Assistance Act. Major components in recent years include AID, Food for Peace, Peace Corps, and paid-in subscriptions to international financial institutions, such as IBRD, and IDB. Cumulative totals for 1946-1986 are true totals net of deobligation; annual figures however, are gross unadjusted program figures. Military aid includes Military Assistance Program (MAP) grants, foreign military credit sales, service-funded programs, and excess defense articles]

PERIOD OR YEAR AND REGION	Total economic and military aid	ECONOMIC AID			MILITARY AID		
		Total	Loans	Grants	Total	Loans	Grants
1946-1986, total .....	315,245	196,616	55,891	140,724	118,630	36,692	82,938
1946-1952 .....	41,661	31,116	8,516	22,598	10,545	-	10,545
1953-1961 .....	43,366	24,053	5,850	18,203	19,305	161	19,144
1962-1969 .....	50,254	33,392	15,421	17,972	16,862	1,620	15,242
1970-1979 .....	65,714	28,902	9,995	18,907	36,812	14,179	24,633
1980-1986 .....	96,366	63,061	10,941	52,140	33,267	19,758	13,529
1970 .....	0,566	3,676	1,366	2,298	2,662	70	2,622
1971 .....	7,836	3,442	1,299	2,143	4,366	743	3,653
1972 .....	9,021	3,940	1,836	2,301	3,080	550	4,930
1973 .....	9,472	4,117	1,391	2,726	5,356	550	4,805
1974 .....	8,510	3,996	1,150	2,759	4,664	1,396	3,208
1975 .....	6,916	4,908	1,679	3,229	2,009	750	1,259
1976 .....	6,412	3,678	1,759	2,119	2,535	1,442	1,083
1976, TQ <sup>1</sup> .....	2,603	1,931	840	1,091	672	494	178
1977 .....	7,784	5,594	2,063	3,511	2,190	1,411	779
1978 .....	9,014	6,661	2,530	4,131	2,353	1,601	782
1979 .....	13,845	7,120	1,900	5,220	6,725	5,173	1,562
1980 .....	9,696	7,573	1,863	5,580	2,122	1,450	672
1981 .....	10,550	7,305	1,460	5,945	3,245	2,546	699
1982 .....	12,324	8,129	1,454	6,675	4,195	3,084	1,111
1983 .....	14,202	8,603	1,619	6,984	5,599	3,932	1,667
1984 .....	15,524	9,036	1,621	7,417	6,486	4,401	2,085
1986 .....	16,126	12,327	1,579	10,748	5,801	2,365	3,436
1986 .....	15,245	10,106	1,216	8,881	9,636	1,969	3,669
Near East and South Asia .....	8,759	4,331	535	3,796	4,427	1,242	3,185
East Asia .....	909	618	107	511	361	278	103
Europe .....	631	133	-	133	499	426	72
Latin America .....	1,729	1,490	342	1,146	236	8	231
Africa .....	1,421	1,216	232	986	205	27	178
Oceania and other .....	15	15	-	15	1	-	1
Non-regional .....	2,406	2,318	-	2,318	91	-	91

- Represents zero. <sup>1</sup> Transition quarter, July-Sept.  
Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

No. 1340. U.S. FOREIGN MILITARY AID, BY REGIONS AND SELECTED COUNTRIES: 1982 TO 1986

[In millions of dollars. For years ending Sept. 30. Military aid data include Military Assistance Program (MAP) grants, foreign military credit sales, International Military Education and Training, and excess defense articles]

REGION AND COUNTRY	1982	1983	1984	1985	1986	REGION AND COUNTRY	1982	1983	1984	1985	1986
Total .....	4,195	5,599	6,468	8,861	5,886	East Asia .....	363	367	443	416	991
Near East and South Asia .....	3,089	4,164	4,765	4,248	4,427	Indonesia .....	42	27	47	34	21
Egypt .....	902	1,327	1,367	1,177	1,246	Malaysia .....	11	5	11	5	2
Greece .....	281	281	501	501	432	Philippines .....	51	51	52	42	105
Israel .....	1,400	1,700	1,700	1,400	1,723	South Korea .....	167	187	232	232	165
Jordan .....	57	53	117	92	83	Thailand .....	81	96	101	102	89
Lebanon .....	11	102	16	1	1	Africa <sup>1</sup> .....	319	336	336	279	266
Oman .....	30	30	40	40	9	Botswana .....	1	5	9	9	4
Pakistan .....	1	261	301	326	312	Cameroon .....	2	3	5	5	(Z)
Turkey .....	403	403	718	704	619	Djibouti .....	(Z)	2	2	3	2
Yemen .....	12	7	5	6	3	Gabon .....	3	2	3	(Z)	(Z)
Latin America <sup>1</sup> .....	151	164	359	269	238	Kenya .....	33	22	24	22	21
Colombia .....	11	1	25	1	4	Liberia .....	13	13	13	13	6
Costa Rica .....	2	5	9	11	3	Morocco .....	31	101	70	50	36
Dominican Rep .....	6	7	6	9	5	Niger .....	2	3	2	5	4
Ecuador .....	5	5	7	7	5	Somalia .....	25	31	33	34	20
El Salvador .....	82	81	197	136	122	Sudan .....	101	44	47	46	17
Haiti .....	1	1	1	1	2	Tunisia .....	96	102	112	67	69
Honduras .....	31	46	77	67	61	Zaire .....	11	10	8	8	6
Jamaica .....	2	4	4	8	8	Europe .....	193	614	611	631	499
Panama .....	5	6	14	11	8	Portugal .....	67	111	106	126	112
Peru .....	5	5	11	9	1	Spain .....	127	403	403	403	365
						Non-regional .....	78	53	72	56	91

Z Less than \$500,000. <sup>1</sup> Include amounts not shown separately.  
Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

### 1341. U.S. FOREIGN AID—COMMITMENTS FOR ECONOMIC ASSISTANCE, BY REGIONS AND SELECTED COUNTRIES: 1982 TO 1986

Millions of dollars. For years ending Sept. 30. Falls under economic portion of the Foreign Assistance Act. Data cover commitments for economic and technical assistance by AID. See text, section 20]

REGION AND COUNTRY	1982	1983	1984	1985	1986	REGION AND COUNTRY	1982	1983	1984	1985	1986
<b>Latin America<sup>1</sup>—</b>						<b>Latin America<sup>1</sup>—</b>					
<b>Con.</b>						<b>Con.</b>					
Paraguay .....						Paraguay .....	-	-	(Z)	1	1
Peru .....						Peru .....	36	36	119	36	26
ROCAP <sup>2</sup> .....						ROCAP <sup>2</sup> .....	13	19	16	107	63
Regional .....						Regional .....	22	37	23	30	29
<b>Africa<sup>1</sup></b>						<b>Africa<sup>1</sup></b>					
Botswana .....						Botswana .....	11	10	11	10	14
Burkina .....						Burkina .....	11	(Z)	(Z)	8	16
Burundi .....						Burundi .....	5	6	4	4	3
Cameroon .....						Cameroon .....	15	19	23	24	25
Cape Verde .....						Cape Verde .....	4	2	2	3	3
Chad .....						Chad .....	4	2	11	16	16
Congo .....						Congo .....	1	1	1	1	1
Djibouti .....						Djibouti .....	2	2	3	4	3
Equatorial Guinea ..						Equatorial Guinea ..	1	1	1	1	1
Gambia, The .....						Gambia, The .....	1	4	4	6	5
Ghana .....						Ghana .....	1	-	(Z)	2	4
Guinea .....						Guinea .....	1	2	2	4	13
Guinea-Bissau .....						Guinea-Bissau .....	2	2	2	4	2
Kenya .....						Kenya .....	39	61	53	40	43
Lesotho .....						Lesotho .....	10	12	10	11	10
Liberia .....						Liberia .....	47	45	49	60	45
Malawi .....						Malawi .....	6	7	6	25	35
Mali .....						Mali .....	10	10	12	32	13
Mauritania .....						Mauritania .....	6	5	5	11	4
Mauritius .....						Mauritius .....	2	2	4	7	2
Morocco .....						Morocco .....	12	11	26	36	37
Niger .....						Niger .....	13	21	26	26	24
Rwanda .....						Rwanda .....	7	5	8	19	7
Senegal .....						Senegal .....	16	19	35	44	50
Seychelles .....						Seychelles .....	2	2	2	2	2
Sierra Leone .....						Sierra Leone .....	3	1	1	(Z)	(Z)
Somalia .....						Somalia .....	34	46	51	51	46
Sudan .....						Sudan .....	125	115	146	149	71
Swaziland .....						Swaziland .....	9	6	6	9	11
Tanzania .....						Tanzania .....	11	-	1	(Z)	(Z)
Togo .....						Togo .....	3	3	4	4	11
Tunisia .....						Tunisia .....	5	5	2	23	23
Uganda .....						Uganda .....	7	8	9	9	15
Zaire .....						Zaire .....	10	15	26	36	46
Zambia .....						Zambia .....	20	16	21	42	20
Zimbabwe .....						Zimbabwe .....	75	60	41	41	13
Regional .....						Regional .....	57	59	50	96	65
<b>Non-regional .....</b>						<b>Non-regional .....</b>	<b>1,190</b>	<b>1,190</b>	<b>1,279</b>	<b>1,463</b>	<b>517</b>

- Represents zero. Z Less than \$500,000. <sup>1</sup> Includes countries not shown separately. <sup>2</sup> Regional programs covering El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

U.S. Agency for International Development, U.S. Overseas Loans and Grants and Assistance from International Organizations, and unpublished data.

## No. 1342. U.S. EXPORTS AND IMPORTS OF MERCHANDISE: 1960 TO 1986

[In billions of dollars, except percent, includes silver ore and bullion; beginning 1974, includes shipments of nonmonetary gold. Data may differ from those shown in tables 1345, 1349, and 1350, due to revisions and inclusion of the Virgin Islands since 1974. For basis of dollar values, see text, section 29. See also *Historical Statistics, Colonial Times to 1970*, series U 180-185 and U 207-212.]

YEAR	Mer- chandise trade balance	EXPORTS <sup>1</sup>					GENERAL IMPORTS <sup>2</sup>				AVERAGE ANNUAL PERCENT CHANGE <sup>3</sup>	
		Total <sup>4</sup>	Domestic				Total <sup>5</sup>	Petroleum	Machinery	Transport equipment	Domestic imports	General imports
			Total <sup>6</sup>	Agricultural	Machinery	Transport equipment						
1960	4.8	19.6	19.4	(NA)	(NA)	(NA)	15.0	(NA)	(NA)	(NA)	18.8	.1
1961	5.3	20.7	20.3	(NA)	(NA)	(NA)	21.4	(NA)	(NA)	(NA)	4.0	4.3
1962	3.8	29.4	28.8	6.9	7.4	3.6	25.5	2.1	2.6	2.2	8.8	19.2
1963	4.1	30.9	30.6	6.4	8.0	4.5	26.8	2.1	3.0	2.9	6.9	5.1
1964	.8	34.1	33.6	6.2	8.6	5.9	33.2	2.9	3.7	4.3	8.8	8.4
1965	1.9	37.3	36.8	5.9	8.9	6.5	36.0	2.6	3.8	5.3	9.5	11.1
1970	2.7	42.7	42.0	7.2	11.4	6.6	40.6	2.8	5.3	5.9	14.1	16.8
1971	-2.0	43.5	42.8	7.7	11.8	7.9	45.8	3.3	6.0	7.9	2.1	14.8
1972	-6.4	49.2	48.4	9.4	13.2	8.3	55.6	4.3	7.8	9.6	12.9	21.8
1973	1.3	70.8	69.7	17.7	17.1	10.7	69.5	7.6	10.0	11.1	44.0	35.8
1974	-4.6	98.1	96.5	22.0	23.7	14.6	102.6	24.3	11.6	12.5	38.5	47.8
1975	9.1	107.7	106.1	21.9	28.5	17.2	96.5	24.8	12.0	12.2	8.8	-4.8
1976	-8.3	115.2	113.6	23.0	31.3	18.2	123.5	31.8	15.2	14.8	7.0	25.4
1977	-28.2	121.2	118.9	23.7	32.5	18.5	150.4	41.5	17.7	17.8	4.8	21.8
1978	-31.1	143.7	141.0	29.4	37.0	22.3	174.8	38.1	24.4	23.2	18.8	16.2
1979	-27.6	181.9	178.6	34.8	44.7	25.8	209.5	68.0	28.0	25.8	38.7	19.8
1980	-24.2	220.6	218.5	41.3	55.8	28.8	244.9	77.6	31.9	25.8	21.2	18.8
1981	-27.3	238.7	238.9	43.3	62.9	32.8	281.0	75.8	38.2	31.4	5.7	6.8
1982	-31.6	212.9	207.1	36.6	60.3	23.6	244.0	58.4	38.7	33.6	-8.6	-8.6
1983	-67.5	200.5	198.0	36.1	54.3	28.3	258.0	62.9	47.0	38.2	-6.4	5.7
1984	-107.9	217.9	212.1	37.8	60.3	29.7	325.7	65.9	66.4	50.8	8.2	28.2
1985	-132.1	213.1	208.9	29.2	68.5	34.8	345.3	48.8	75.3	62.0	-2.5	8.8
1986	-152.7	217.3	208.4	26.1	60.4	34.9	370.0	34.1	67.5	74.0	-2	7.2

NA, Not available. <sup>1</sup> Includes "Special Category" items and beginning 1974, includes trade of Virgin Islands with foreign countries. F.a.s. value basis. <sup>2</sup> Domestic and foreign imports excluding M.A.P. Grant-Aid shipments, including re-exports. <sup>3</sup> Includes commodity groups not shown separately. <sup>4</sup> 1960-1973, 1982-1986, customs value basis; 1974-1981, f.a.s. value basis. Beginning 1974, includes trade of Virgin Islands with foreign countries. <sup>5</sup> 1960, change from 1959; thereafter, from previous year. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 980, monthly.

## No. 1343. U.S. EXPORTS AND IMPORTS—INDEXES OF UNIT VALUE (AVERAGE PRICE), AND QUANTITY: 1970 TO 1986

[1977 average = 100. See heading, table 1347. See also *Historical Statistics, Colonial Times to 1970*, series U 225-248.]

ECONOMIC CLASS	INDEX OF EXPORTS OF U.S. MERCHANDISE							INDEX OF GENERAL IMPORTS						
	1970- 1975, avg.	1980	1982	1983	1984	1985	1986	1970- 1975, avg.	1980	1982	1983	1984	1985	1986
Unit value	67.4	136.1	152.5	164.1	158.2	155.0	155.4	88.8	161.4	167.6	160.8	163.5	168.4	164.9
Foodstuffs														
Crude	64.1	140.0	127.9	134.9	136.0	122.9	109.2	39.2	103.6	92.2	86.9	95.3	99.7	108.6
Manufactured	76.7	121.4	118.0	117.7	120.9	112.6	110.9	87.5	109.5	149.6	151.8	149.4	142.4	148.4
Materials, crude	58.3	122.1	116.7	117.0	121.7	109.7	103.1	46.1	224.2	232.4	210.4	206.2	192.0	115.2
Manufactures:														
Semi	69.7	167.6	154.7	150.5	154.7	144.9	135.9	57.4	171.3	157.9	152.8	150.1	137.4	119.9
Finished	67.0	134.8	166.7	168.4	169.4	175.1	161.7	88.8	134.9	147.6	143.5	149.3	149.0	159.5
Quantity	82.3	132.9	118.1	107.8	116.1	113.0	112.6	77.4	102.8	98.8	110.3	136.7	149.6	164.9
Foodstuffs														
Crude	79.4	146.6	136.6	129.7	137.5	111.7	95.6	114.5	104.5	111.1	120.8	111.1	138.2	148.1
Manufactured	73.1	146.3	135.2	135.6	122.5	122.4	140.8	64.7	90.6	87.5	103.1	122.0	131.0	132.6
Materials, crude	68.8	139.3	137.7	119.1	118.9	114.6	113.8	63.3	80.5	58.9	54.3	56.0	53.9	111.1
Manufactures:														
Semi	82.0	169.1	141.0	138.6	151.8	153.8	162.0	82.4	111.1	91.2	108.6	136.8	136.3	157.1
Finished	78.9	124.7	109.6	98.5	104.7	104.4	103.2	81.0	125.4	138.3	160.0	208.4	237.9	239.9

Source: U.S. Bureau of the Census, unpublished data.

## 14. DOMESTIC EXPORTS AND GENERAL IMPORTS OF SELECTED COMMODITIES—VALUE, BY AREA: 1986

in millions of dollars. Includes nonmonetary gold. Exports are f.a.s. (free alongside ship) transaction value basis; imports are customs value basis.

COMMODITIES	Total <sup>1</sup>	WESTERN HEMISPHERE		WESTERN EUROPE			ASIA			OPEC <sup>2</sup>
		Canada	Mexico	United Kingdom	West Germany	France	Japan	China: Taiwan	South Korea	
<b>Exports, total</b>	<b>208,376</b>	<b>42,470</b>	<b>11,887</b>	<b>10,720</b>	<b>8,983</b>	<b>6,922</b>	<b>22,183</b>	<b>5,366</b>	<b>8,236</b>	<b>10,988</b>
all commodities	28,081	1,534	(NA)	679	1,042	(NA)	5,086	(NA)	(NA)	(NA)
agricultural commodities	180,316	41,936	(NA)	10,042	8,921	(NA)	16,086	(NA)	(NA)	(NA)
animals	17,303	1,333	595	414	448	311	4,144	548	443	1,619
meat preparations	1,424	91	50	28	10	75	791	9	3	19
cereal preparation	7,368	120	215	30	18	18	1,500	414	372	1,122
of wheat flour	3,217	2	(Z)	1	1	(Z)	425	102	240	657
other	2,718	40	146	9	8	12	876	271	130	97
of tobacco	2,920	49	2	63	(NA)	33	360	47	12	232
of, excluding fuels	17,324	1,389	803	800	886	322	4,086	1,063	1,578	425
of, including	4,334	33	179	94	230	87	(Z)	359	206	47
of rubber	2,240	244	43	45	71	10	1,007	87	117	8
of and scrap	2,802	414	100	131	68	32	882	184	(NA)	56
of and related	8,114	1,387	380	202	78	304	1,311	270	230	183
of coal	3,882	883	8	138	40	231	565	155	124	34
of and related products	22,786	2,688	1,288	865	1,180	721	3,081	861	(NA)	1,069
of goods	14,006	3,527	1,194	700	967	290	1,290	(NA)	(NA)	735
of, fabric, articles	573	501	181	125	88	69	(NA)	38	44	222
of steel mill products	1,020	298	147	33	30	17	(NA)	33	18	74
of other	60,387	10,788	4,820	(NA)	2,632	4,862	4,086	1,422	1,894	3,284
of mining	9,165	2,383	882	578	(NA)	915	487	136	179	488
of	1,421	843	57	45	32	58	(NA)	4	3	127
of electrical	714	1,754	688	437	325	215	327	144	161	725
of literary and computers	15,457	2,124	421	1,888	1,888	980	1,379	288	290	322
of communications <sup>3</sup>	4,408	531	657	320	151	88	312	176	144	502
of equipment	13,830	2,048	1,757	848	711	438	981	539	848	338
of aircraft	34,883	14,707	1,291	1,102	1,354	778	2,137	301	321	1,886
of motor vehicles <sup>4</sup>	18,575	13,885	1,088	208	313	140	283	58	43	708
of parts	15,108	631	106	847	1,015	611	1,826	205	287	1,100
of scientific, and controlling	5,732	814	277	617	541	398	736	146	168	284
<b>Imports, total</b>	<b>398,981</b>	<b>68,283</b>	<b>17,382</b>	<b>15,388</b>	<b>25,124</b>	<b>18,127</b>	<b>81,911</b>	<b>19,791</b>	<b>12,729</b>	<b>19,781</b>
all commodities	21,281	2,015	(NA)	201	636	(NA)	289	(NA)	(NA)	(NA)
agricultural commodities	348,881	66,237	(NA)	15,186	24,487	(NA)	81,643	(NA)	(NA)	(NA)
animals	20,803	2,674	2,202	188	(NA)	198	446	421	(NA)	1,372
meat preparations	2,367	537	5	(Z)	6	7	1	2	(Z)	(Z)
of shellfish	4,881	1,021	371	39	5	31	(NA)	257	140	407
of and fruit	4,200	172	670	9	(NA)	33	48	124	19	225
of	4,283	(Z)	578	4	11	(Z)	(Z)	(Z)	205	(Z)
of tobacco	3,888	489	188	54	229	806	40	2	7	9
of, excluding fuels	10,432	5,680	807	118	104	84	103	42	16	445
of, including	1,847	1,414	540	(Z)	(Z)	1	(Z)	(Z)	(Z)	(Z)
of, including	3,140	2,983	11	(Z)	2	(Z)	(Z)	2	(Z)	19
of and scrap	2,148	675	88	43	17	22	3	1	1	72
of and related materials	37,310	5,536	3,738	2,030	72	118	88	32	41	16,319
of steel	22,721	2,837	3,281	1,806	(NA)	4	21	(NA)	(NA)	10,882
of products	11,420	1,081	380	182	72	112	23	32	41	4,813
of	2,894	2,451	85	62	(Z)	2	1	(Z)	(Z)	375
of and related products	16,001	2,752	481	1,609	(Z)	1,238	1,792	(NA)	130	143
of goods	48,828	11,815	1,584	1,881	2,671	1,475	8,839	2,982	1,816	853
of wood	5,718	4,406	224	111	173	79	151	86	32	28
of steel	8,168	1,198	177	284	823	516	2,241	177	523	85
of metals	7,899	2,486	386	394	325	147	505	28	14	267
of other	67,549	7,345	6,531	6,074	7,570	2,758	33,848	5,708	3,849	114
of mining	9,802	2,074	1,083	1,084	949	1,325	1,942	84	27	8
of electrical	(NA)	1,180	291	632	1,824	348	2,755	588	(NA)	2
of communications <sup>3</sup>	20,720	842	1,483	138	143	50	12,448	1,885	1,580	3
of equipment	20,155	1,469	2,235	599	1,414	483	5,455	1,965	1,298	2
of aircraft	14,889	659	305	432	581	157	7,307	1,238	515	22
of aircraft	74,013	22,533	1,148	2,188	8,294	1,824	31,048	608	898	13
of trucks, buses, trucks	54,881	15,213	570	(NA)	8,328	126	26,597	3	798	2
of passenger cars	45,302	11,817	494	721	8,121	(Z)	21,081	(NA)	1	(NA)
of parts	11,912	5,575	831	336	708	1	3,088	(Z)	(Z)	8
of other	17,288	213	(NA)	229	115	238	484	2,588	2,528	278
of other	6,473	34	80	30	25	100	13	2,101	1,488	3

into zero. NA Not available. Z Less than \$500,000. <sup>1</sup> Includes countries and regions not shown separately. <sup>2</sup> Includes countries and regions not shown separately. <sup>3</sup> Includes countries and regions not shown separately. <sup>4</sup> Includes countries and regions not shown separately.

Source: Bureau of the Census, *Highlights of U.S. Export and Import Trade, Report FT 980, December issue; U.S. General*  
*Area and Country of Origin by Schedule A Commodity Groupings and FT 155, U.S. Exports/World Area and*  
*Information by Schedule E Commodity Groupings FT 485.*

## No. 1345. EXPORTS, IMPORTS, AND MERCHANDISE TRADE BALANCE, BY CONTINENT, AREA, AND COUNTRY: 1975 TO 1986

[In millions of dollars, except percent. Includes silver ore and bullion. Area, continent, and individual country totals include exports of special category commodities, if any. Beginning 1980, data include nonmonetary gold and beginning 1984, data include trade of Virgin Islands with foreign countries, see footnote 2 for exception. Minus sign (-) denotes an excess of imports over exports. See Historical Statistics, Colonial Times to 1970, series U 317-362, for selected countries]

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN					GENERAL IMPORTS <sup>1</sup>					MERCHANDISE TRADE BALANCE				
	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986
<b>Total<sup>2</sup></b>	107,892	228,793	217,868	213,148	217,304	98,902	244,871	325,728	345,376	369,991	+10,990	-24,086	-107,838	-132,130	-182,857
Developed countries <sup>3</sup>	64,780	130,848	135,884	134,018	141,447	58,700	125,306	200,714	223,314	245,987	+8,080	+5,542	-64,830	89,296	104,520
Percent of total	60.2	59.3	62.4	62.9	65.1	58.5	51.2	61.6	64.7	66.6	(x)	(x)	(x)	(x)	(x)
Developing countries <sup>4</sup>	39,216	81,125	74,421	71,873	70,539	39,311	117,025	119,780	118,181	117,221	88	35,600	45,368	44,486	-48,562
Communist areas, total	3,002	7,616	7,214	7,091	5,125	591	2,498	5,221	5,801	6,779	+2,201	+5,120	+1,893	+1,290	-1,849
Underdeveloped countries	506	1,118	399	385	94	-	44	1	(x)	(x)	-	+1,072	+368	+365	+94
Africa	4,948	9,080	8,827	7,388	5,878	8,299	34,410	14,355	11,984	10,348	-3,350	-25,350	-5,528	-4,576	4,370
Asia	26,223	60,166	64,533	60,745	64,532	27,252	80,238	120,132	131,894	153,899	+971	-20,131	-55,589	-71,139	-89,337
Oceania	2,340	4,878	5,745	6,398	6,859	1,508	3,392	3,558	3,818	3,717	+832	+1,484	+2,187	+2,580	+2,942
Europe	32,732	71,372	82,207	59,978	63,631	21,823	48,039	73,307	81,682	81,826	+1,109	+23,333	-11,100	21,714	26,196
North America	30,040	58,737	65,159	67,248	64,451	30,978	64,267	93,330	94,965	91,724	936	7,550	28,171	-27,736	-27,263
South America	8,803	17,377	11,050	11,022	11,950	7,232	14,400	21,043	20,832	19,477	+1,571	+2,877	-8,993	-9,910	-6,527
<b>Western Hemisphere</b>	38,843	74,114	70,208	70,271	70,411	38,208	78,867	114,373	116,919	119,291	+634	-4,573	-38,184	-37,846	-35,799
Canada	21,744	35,395	45,524	47,251	45,333	22,151	41,458	68,478	69,008	68,253	-407	-6,084	-19,854	-21,765	-22,880
20 Latin American countries	18,656	36,030	25,302	27,850	27,968	11,647	29,852	42,341	43,448	39,541	+3,808	+6,078	-18,039	-18,596	11,573
Other Western Hemisphere	1,444	2,688	3,383	3,170	3,110	4,210	7,277	5,554	3,482	2,408	-2,788	-4,589	-2,171	-282	+702
<b>Central American Common Market</b>	908	1,951	1,659	1,822	1,767	810	1,849	1,757	1,722	2,061	+158	+102	98	-100	-294
Costa Rica	212	488	423	432	463	179	356	473	501	641	+33	+142	-50	-70	-138
El Salvador	194	272	427	445	518	182	427	390	398	395	+12	-155	+37	+48	+133
Guatemala	256	562	377	405	400	145	436	444	409	601	+62	+117	-67	-4	+133
Honduras	151	379	322	308	363	145	418	393	375	433	+8	-40	-71	-67	-70
Nicaragua	156	250	112	42	3	131	211	57	41	1	+25	+59	+55	+1	+2
<b>Latin American Free Trade Association</b>	13,773	32,274	22,820	24,414	24,180	10,100	25,736	38,981	39,943	36,856	+3,673	+5,539	-18,041	-15,529	-11,476
Argentina	828	2,825	900	721	844	215	741	954	1,098	858	+413	+1,884	-54	-345	+88
Bolivia	138	172	106	120	112	66	182	156	99	124	+49	-10	-40	+21	-12
Brazil	3,058	4,343	2,640	3,140	3,885	1,467	3,715	7,621	7,526	6,513	+1,599	+828	-4,881	-4,366	-2,828
Chile	833	1,353	605	882	923	136	615	781	745	830	+395	+636	+24	-83	+3
Colombia	843	1,788	1,450	1,486	1,319	596	1,241	1,146	1,331	1,874	+47	+495	+304	+187	-590
Ecuador	410	864	655	591	501	463	876	1,095	1,637	1,465	63	-12	1,040	-1,349	-854
Mexico	5,141	15,145	11,992	13,635	12,382	3,086	12,580	18,020	19,132	17,302	+2,075	+2,595	-8,028	-5,487	-4,810
Paraguay	33	109	64	90	171	16	81	41	24	30	+14	+26	+23	+75	+141
Peru	806	1,171	751	486	663	397	1,398	1,342	1,087	903	+499	-215	-591	-561	-110
Uruguay	51	183	80	84	100	24	97	653	557	472	+27	+86	-463	-403	-372
Venezuela	2,343	4,573	3,377	3,399	3,141	3,695	5,321	8,543	8,537	5,097	1,362	-746	-3,168	-3,138	-1,896
<b>Other Latin America</b>	814	1,806	1,523	1,814	2,021	937	1,366	1,723	1,782	1,826	-23	+497	+100	+32	+195
Cuba	(2)	(2)	1	1	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	+1	+1	+2
Dominican Republic	453	785	648	742	921	634	787	1,016	982	1,065	-181	+8	-372	-240	-184
Haiti	144	311	418	398	387	107	252	377	390	375	+37	+59	+42	+12	+12
Panama	317	689	757	975	711	199	290	399	410	395	+121	+399	+429	+265	+345

Other Western Hemisphere .....	1,444	2,008	3,383	3,170	3,110	4,210	7,277	5,554	3,482	2,408	-2,768	-4,588	-2,171	-282	+702
Bahamas, The .....	209	395	555	786	761	880	1,489	1,173	626	442	-672	-1,073	-618	+180	+319
Barbados .....	38	136	242	173	147	34	95	254	202	108	+2	+40	-12	-29	+39
Belize .....	26	58	53	58	59	34	60	48	47	51	-6	-2	+7	+9	+8
Bermuda .....	63	136	225	258	236	3	13	8	7	6	+60	+123	+217	+251	+230
French West Indies .....	26	67	38	28	39	1	7	15	3	3	+25	+60	+23	+25	+38
Greenland .....	8	3	2	6	2	7	14	12	3	1	+1	-11	-10	+3	+1
Guyana .....	89	86	51	43	47	87	120	78	47	84	+2	-24	-27	-4	-17
Jamaica .....	361	305	495	404	457	307	383	377	273	299	+74	-78	+118	+131	+158
Leeward and Windward Islands .....	41	152	209	189	225	15	38	45	95	64	+28	+116	+164	+104	+141
Netherlands Antilles .....	228	446	648	427	398	1,559	2,564	2,048	808	471	-1,331	-2,116	-1,400	-381	-73
Suriname .....	79	136	100	86	64	109	109	105	80	39	-29	+27	-5	+28	+45
Trinidad and Tobago .....	256	680	601	504	532	1,171	2,383	1,380	1,258	793	-915	-1,703	-759	-754	-281
Other .....	3	74	164	200	125	4	23	33	33	47	-1	+51	+131	+167	+78
Western Europe .....	29,945	67,512	88,019	56,763	81,842	20,882	46,802	71,183	78,786	89,825	+9,053	+20,910	-13,134	-22,983	-28,183
OECD * .....	29,575	66,654	87,496	56,084	81,003	20,627	46,137	70,626	79,165	89,130	+8,948	+20,517	-13,140	-23,081	-28,127
European Economic Community * .....	25,908	58,691	80,486	48,998	63,155	17,837	37,862	60,229	87,822	75,736	+8,088	+20,809	-9,731	-18,826	-22,581
Belgium and Luxembourg .....	2,417	6,661	5,301	4,918	5,389	1,189	1,914	3,139	3,367	4,006	+1,218	+4,747	+2,162	+1,531	+1,369
Denmark .....	445	883	805	708	758	484	727	1,418	1,885	1,757	-19	+138	-913	-959	-989
France .....	3,031	7,486	6,037	6,086	7,216	2,184	5,265	8,113	9,482	10,129	+887	+2,220	-2,078	-3,388	-2,913
Greece * .....	450	822	486	498	430	110	282	355	395	394	+340	+630	+101	+103	+38
Ireland .....	190	836	1,354	1,342	1,434	178	413	844	901	1,003	+12	+423	+510	+441	+431
Italy .....	2,867	5,511	4,375	4,625	4,836	2,457	4,325	7,935	9,674	10,607	+410	+1,186	-3,560	-5,049	-5,789
Netherlands .....	4,183	6,959	7,554	7,239	7,646	1,089	1,913	4,069	4,061	4,066	+3,104	+6,756	+3,485	+3,188	+3,782
Portugal .....	427	911	861	885	838	157	278	477	546	552	+270	+633	+484	+149	+86
Spain .....	2,164	3,179	2,551	2,524	2,615	836	1,220	2,391	2,515	2,702	+1,328	+1,959	+170	+9	-87
United Kingdom .....	4,527	12,694	12,210	11,273	11,418	3,773	9,842	14,482	14,937	15,386	+754	+2,852	-2,282	-3,664	-3,978
West Germany .....	5,184	10,980	9,084	9,050	10,561	5,410	11,693	16,988	20,239	25,124	-216	-733	-7,912	-11,189	-14,583
Other OECD * .....	3,670	7,982	6,999	7,091	7,850	2,791	8,255	10,401	11,343	13,396	+879	-293	-3,412	-4,252	-5,546
Austria .....	181	447	375	441	484	243	389	714	834	884	-62	+58	-339	-383	-400
Finland .....	281	505	350	439	391	149	439	782	895	908	+112	+86	-432	-457	-527
Iceland .....	32	79	51	39	60	86	200	207	248	238	-53	-121	-158	-210	-178
Norway .....	510	343	959	885	937	403	2,632	1,904	1,184	1,079	+107	-1,789	-1,045	-498	-142
Sweden .....	925	1,767	1,542	1,925	1,871	897	1,617	3,244	4,124	4,420	+39	+150	-1,702	-2,189	-2,549
Switzerland .....	1,153	3,781	2,583	2,286	2,977	879	2,803	3,117	3,476	5,253	+274	+978	-554	-1,189	-2,278
Turkey .....	908	540	1,249	1,295	1,180	145	175	433	602	633	+483	+385	+916	+683	+527
Other Western Europe .....	389	685	533	679	685	285	484	827	891	885	+104	+394	+6	+89	-58
Yugoslavia .....	328	756	432	885	528	281	446	478	542	646	+67	+310	-46	+53	-118
Other .....	41	102	101	64	111	4	18	49	49	49	+37	+64	+52	+36	+62

See footnotes at end of table.



## NO. 1845. EXPORTS, IMPORTS, AND MERCHANDISE TRADE BALANCE, BY CONTINENT, AREA, AND COUNTRY: 1975 TO 1986—Continued

[In millions of dollars, except percent. See headings, p. 770]

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN						GENERAL IMPORTS						MERCHANDISE TRADE BALANCE					
	1975	1980	1984	1985	1986		1975	1980	1984	1985	1986		1975	1980	1984	1985	1986	
<b>Communist areas in Europe</b>																		
Bulgaria	2,787	3,888	4,188	2,315	1,888		781	1,437	2,154	1,385	2,551		+2,898	+2,428	+2,584	+1,378	+1,378	-12
Czechoslovakia	50	161	44	104	97		20	25	29	36	57		+10	+130	+15	+68	+68	+40
East Germany	53	185	58	63	72		51	89	86	76	85		+22	+116	-28	-13	-13	-13
Hungary	17	478	137	73	65		36	107	221	92	87		+8	+436	-12	-18	-18	-19
Poland	75	50	68	94	98		35	107	221	216	225		+41	-27	-133	-124	-124	-127
Romania	583	714	318	238	151		243	416	220	220	233		+340	+200	+86	+18	+18	-52
Soviet Union	181	722	248	208	251		133	312	885	882	784		+58	+410	-844	-674	-674	-508
Other	1,836	1,513	3,284	2,423	1,248		255	454	554	409	558		+1,580	+1,059	+2,730	+2,014	+2,014	+880
	2	7	10	12	4		3	10	2	3	2		-1	-3	+8	+8	+8	+2
<b>Asia</b>																		
Japan	28,223	66,186	84,833	60,745	64,832		27,262	60,289	120,122	131,884	152,889		+1971	-20,151	-56,889	71,126	-56,889	-88,237
<b>Communist areas</b>																		
Bahrain	8,883	25,786	23,575	22,431	25,882		11,425	30,714	57,126	68,783	81,811		1,882	8,894	-23,889	-45,182	-45,182	-55,838
Iran	306	2,768	3,037	3,478	3,126		166	1,088	3,067	3,885	4,772		+148	+2,887	-40	+11	+11	-1,538
<b>Non-Communist areas</b>																		
Bahrain	8,283	11,888	11,133	8,788	8,416		5,401	18,872	8,082	6,387	7,880		+2,882	-8,772	+3,871	+3,442	+3,442	+885
Iran	90	187	145	107	155		100	16	54	84	77		-10	+181	+51	+23	+23	+118
Israel	3,244	23	182	74	34		1,388	458	700	725	589		+1,848	-435	-538	-681	-681	-535
Jordan	310	784	684	427	528		18	480	134	474	440		+291	+284	+840	-47	-47	+88
Kuwait	1,551	2,045	2,184	2,880	2,238		314	950	1,780	2,123	2,418		+1,237	+1,085	+444	+457	+457	-178
Other	195	407	299	377	332		1	3	4	14	10		+194	+404	+285	+383	+383	+382
<b>South Asia</b>																		
India	385	688	536	551	557		111	494	280	184	287		+255	+382	+378	+387	+387	+380
Maldives	308	303	286	141	108		33	33	7	19	30		+335	+270	+279	+122	+122	+78
<b>South East Asia</b>																		
Brunei	1,502	5,768	5,584	4,474	3,449		2,623	12,848	3,741	1,807	3,812		1,121	-8,880	+1,853	+2,887	+2,887	-183
Malaysia	128	238	104	108	58		7	28	2	3	8		+121	+213	+102	+103	+103	+51
Other	508	1,307	1,078	872	818		788	3,584	1,420	784	489		-288	-2,277	-341	+138	+138	+357
<b>East and South Asia</b>																		
Algeria	10,888	23,722	28,788	34,888	28,888		18,287	28,884	51,888	52,888	58,888		-172	-8,122	-28,878	-28,878	-28,878	-32,187
Algeria	10	11	7	3	8		8	8	13	7	6		+11	+8	-6	-4	-4	-3
China	10	28	16	10	18		2	8	14	14	14		+8	+20	+2	+2	+2	+2
China, Taiwan	1,888	4,337	5,003	4,700	5,534		1,948	6,884	14,788	16,388	19,781		-287	-2,517	-8,785	-11,888	-11,888	-14,287
Hong Kong	808	2,888	2,882	2,788	3,030		1,573	4,738	8,288	8,388	8,881		-785	-2,883	-5,204	-5,810	-5,810	-8,881
India	1,280	1,888	1,570	1,842	1,536		548	1,088	2,552	2,288	2,288		+741	+591	-882	-882	-882	-747
Indonesia	810	1,545	1,216	788	948		2,222	5,217	5,482	4,588	3,312		-1,412	-3,672	-4,246	-3,774	-3,774	-2,288
Kampuchea	88	28	1	-	-		1	(2)	(2)	-	(2)		+65	+28	+1	+1	+1	-
Laos	4	(2)	(2)	(2)	(2)		(2)	(2)	(2)	(2)	(2)		(2)	(2)	-2	(2)	(2)	(2)
Malaysia	303	1,337	1,858	1,838	1,730		772	2,577	2,721	2,300	2,421		-378	-1,240	-885	-781	-781	-881
Other	372	842	1,088	1,042	880		48	128	244	274	328		+383	+514	+848	+788	+788	+808

Philippines .....	632	1,996	1,786	1,379	1,363	756	1,731	2,430	2,145	1,972	+76	+256	-864	-786	-808
Singapore .....	994	3,033	3,675	3,476	3,380	534	1,921	3,979	4,260	4,725	+450	+1,112	-304	-784	-1,345
South Korea .....	1,762	4,685	5,983	5,956	6,365	1,442	4,147	9,363	10,013	12,729	+320	+536	-3,370	-4,057	-6,374
Sri Lanka .....	38	62	92	73	66	40	126	272	282	337	-2	-64	-160	-209	-271
Thailand .....	357	1,263	1,113	849	936	217	816	1,326	1,426	1,746	+140	+447	-213	-579	-612
Other .....	661	376	345	260	379	154	484	486	560	743	+527	-106	-121	-310	-364
Oceania .....	2,340	4,576	6,745	3,360	6,669	1,506	3,363	2,690	3,919	3,717	+892	+1,494	+2,167	+2,690	+2,942
Australia .....	1,615	4,083	4,793	5,441	5,551	1,147	2,509	2,675	2,837	2,632	+665	+1,584	+2,116	+2,604	+2,919
New Zealand .....	411	599	712	727	861	245	703	791	860	982	+186	-104	-79	-133	-101
Other Oceania .....	114	164	240	231	227	116	160	92	122	103	-2	+4	+146	+109	+124
Africa .....	4,949	9,063	8,827	7,898	5,976	8,263	34,410	14,366	11,894	10,346	-3,360	-26,369	-6,522	-4,576	-4,379
Algeria .....	632	542	520	430	453	1,359	6,577	3,636	2,333	1,831	-727	-6,035	-3,116	-1,903	-1,376
Angola .....	53	111	103	137	86	425	742	1,010	1,054	678	-372	-631	-907	-917	-592
Cameroon .....	30	93	66	69	46	18	605	721	324	306	+12	-512	-651	-255	-257
Central African Republic .....	1	1	1	1	1	5	9	3	1	4	-4	-6	-2	(2)	-3
Egypt .....	663	1,874	2,704	2,323	1,982	26	539	170	79	112	+655	+1,335	+2,534	+2,244	+1,670
Ethiopia .....	70	72	174	203	104	49	87	82	43	73	+21	-15	+92	+160	+31
Gabon .....	59	46	36	91	25	197	343	860	502	207	-136	-295	-844	-411	-162
Ghana .....	100	127	46	54	84	151	206	47	90	191	-51	-79	-1	-36	-107
Ivory Coast .....	78	165	65	70	60	157	266	469	525	425	-79	-103	-404	-455	-365
Kenya .....	49	141	74	97	70	36	54	64	92	141	+13	+67	+10	+5	-71
Liberia .....	90	113	97	73	65	96	126	96	63	82	-6	-15	+1	-10	-17
Libya .....	232	509	200	311	46	1,045	6,596	9	44	2	-813	-8,066	+191	+267	+44
Madagascar .....	7	7	39	33	25	46	91	71	53	63	-39	-64	-32	-20	-36
Mauritania .....	14	20	9	26	16	(2)	(2)	1	(2)	2	13	19	+6	+26	+14
Morocco .....	200	344	526	279	487	10	35	34	39	43	+190	+309	+492	+240	+444
Mozambique .....	16	89	23	56	23	36	105	24	16	19	-18	-36	-1	+40	+4
Nigeria .....	536	1,150	577	876	409	3,261	11,105	2,506	3,002	2,530	-2,745	-9,955	-1,931	-2,326	-2,121
South Africa .....	1,302	2,463	2,265	1,205	1,159	840	3,321	2,486	2,071	2,365	+462	-656	-223	-666	-1,206
Sudan .....	103	142	136	243	90	8	17	20	9	22	+95	+125	+116	+234	+68
Tanzania .....	66	62	44	46	36	29	32	12	10	12	+37	+30	+32	+36	+26
Turkcia .....	90	173	434	266	163	26	60	30	13	11	+84	+113	+404	+243	+152
Uganda .....	15	12	3	5	4	61	126	93	113	133	-46	-114	-90	-106	-129
Zaire .....	166	155	82	105	106	87	416	502	401	221	+121	-263	-420	-295	-116
Zambia .....	86	96	91	60	35	(2)	200	124	56	65	66	-102	-33	+2	-30
Other .....	251	549	512	539	400	331	727	1,457	1,009	811	-60	-176	-945	-470	-411

- Represents zero. Z Less than \$500,000. <sup>1</sup> Imports: 1990, f.a.s. basis; other years, customs value basis. Exports are f.a.s. value. <sup>2</sup> Includes revisions not carried to area values; therefore, area values will not add to total. <sup>3</sup> Developed countries include Canada, Western Europe, Japan, Australia, New Zealand, and South Africa; developing countries include rest of the world excluding Communist areas in Europe and Asia. Assignment of countries generally follows that made by United Nations. (See table 1378.) <sup>4</sup> OECD=Organization of Economic Cooperation and Development. <sup>5</sup> As of 1961, Greece, became a member of EEC; as of 1986 Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

### NO. 1346. U.S. EXPORTS AND IMPORTS FOR CONSUMPTION OF MERCHANDISE, BY CUSTOMS REGION AND DISTRICT: 1970 TO 1986

[In billions of dollars. Exports are f.a.s. (free alongside ship) value all years; imports are on customs value basis for years 1982 to present; f.a.s. value basis prior to 1982. See *Historical Statistics, Colonial Times to 1970*, series U 264-273, for related data.]

CUSTOMS REGION AND DISTRICT	EXPORTS							IMPORTS FOR CONSUMPTION						
	1970	1980	1982	1983	1984	1985	1986	1970	1980	1982	1983	1984	1985	1986
Total <sup>1</sup>	43.2	230.8	212.3	208.5	217.9	213.1	217.3	40.8	244.6	242.3	238.9	233.0	243.6	266.7
Boston, MA region	8.3	14.3	13.7	14.8	17.7	17.5	18.3	5.7	21.8	24.3	27.5	26.2	27.9	40.3
Portland, ME	.1	4.3	.5	.7	.7	.6	.8	.3	1.8	1.8	1.8	2.3	2.3	2.7
St. Albans, VT	.2	.7	.7	.7	1.1	1.1	1.3	.4	1.8	1.8	2.0	2.5	2.7	2.7
Boston, MA	.4	.5	2.7	2.8	2.8	3.0	3.8	1.0	5.0	5.4	6.4	8.1	8.2	8.2
Providence, RI	(Z)	2.5	.2	.1	(Z)	(Z)	(Z)	.1	.8	1.0	1.0	.9	1.0	1.3
Bridgeport, CT	(Z)	.2	.1	.1	.1	.1	(Z)	.2	.9	1.1	1.2	1.7	1.3	1.4
Ogdensburg, NY	.9	3.8	3.1	3.7	4.5	4.1	4.4	1.1	4.6	4.7	5.8	7.1	6.8	7.5
Buffalo, NY	1.7	6.3	6.3	7.0	8.5	8.4	8.2	2.7	7.4	8.4	9.2	13.7	14.7	16.5
New York, NY region	18.8	38.9	31.2	28.0	31.9	28.5	33.4	18.1	43.4	41.2	46.5	50.2	50.5	57.9
Baltimore, MD region	2.8	21.5	21.8	18.8	19.7	19.4	12.1	3.8	28.8	24.3	23.3	28.7	31.1	31.3
Philadelphia, PA	.7	3.2	3.1	2.3	2.1	2.0	1.9	1.0	15.6	14.3	13.4	15.8	15.8	13.7
Baltimore, MD	1.3	9.0	8.8	7.1	5.8	5.5	4.9	1.4	8.0	5.4	5.5	8.5	8.8	11.0
Norfolk, VA <sup>2</sup>	1.8	8.9	9.3	7.1	5.4	5.4	5.3	.8	4.7	4.3	4.1	5.0	5.0	5.8
Washington, DC	.1	.3	.5	.4	.4	.5	(Z)	.1	.4	.4	.3	.4	.5	.8
Miami, FL region	2.0	17.8	18.5	18.7	18.5	17.8	18.8	2.4	19.8	19.7	21.3	20.3	27.9	31.8
Wilmington, NC	.2	1.3	1.8	1.3	1.3	1.3	1.2	.2	1.1	1.3	1.3	1.7	1.9	2.4
Charleston, SC <sup>2</sup>	.8	3.1	2.8	2.5	2.9	2.9	3.0	.3	1.8	1.8	2.3	3.0	3.3	4.8
Savannah, GA	.4	2.4	2.7	2.9	3.7	3.4	3.6	.3	2.2	2.9	3.5	4.7	5.1	8.4
Tampa, FL	.2	2.8	2.2	2.1	2.6	2.6	2.1	.8	3.7	4.1	4.6	5.7	6.6	7.8
San Juan, PR	.1	.9	1.3	1.3	1.4	1.2	1.3	.8	3.7	2.9	3.5	4.3	4.0	3.8
Virgin Islands	(NA)	.1	.5	.2	.2	.1	(Z)	(NA)	4.1	4.0	2.6	2.5	1.7	1.2
Miami, FL	.7	5.9	7.4	5.5	6.2	5.1	7.2	.4	2.6	3.1	3.3	4.3	4.4	5.2
New Orleans, LA region	3.8	22.8	21.3	19.8	18.1	15.9	14.4	1.8	25.5	20.4	16.3	17.7	17.8	17.1
Mobile, AL <sup>2</sup>	.5	2.8	2.1	1.4	1.2	1.1	1.3	.3	3.0	2.3	3.2	3.4	2.8	2.3
New Orleans, LA	3.5	19.5	19.2	18.2	16.8	13.8	13.1	1.4	22.5	18.1	13.0	14.3	14.7	14.8
Houston, TX region	4.0	28.3	27.3	22.5	25.1	23.6	21.7	1.8	34.7	30.0	28.1	31.8	28.7	27.7
Port Arthur, TX	.5	2.0	2.0	1.5	1.7	.8	.7	.1	8.4	4.2	5.0	5.2	2.7	1.3
Laredo, TX	1.1	6.3	8.1	4.4	6.4	7.2	6.3	.4	2.7	3.2	4.0	4.5	4.8	5.7
El Paso, TX	.1	1.8	1.3	1.4	1.8	2.1	2.3	.2	1.4	1.8	1.9	2.2	2.5	3.0
Houston/Galveston, TX	2.4	15.7	17.5	14.6	14.7	12.5	11.2	1.1	20.1	18.5	15.7	17.8	17.3	14.5
Dallas/Fort Worth, TX	(NA)	.5	.5	.6	.8	1.0	1.2	(NA)	1.2	1.3	1.5	2.2	2.4	3.2
Los Angeles, CA region	2.5	17.0	18.4	18.7	20.7	21.9	22.3	3.3	22.2	24.8	26.3	34.8	47.9	51.1
San Diego, CA	.3	1.4	1.4	.9	1.4	1.8	1.5	.2	1.0	1.1	1.2	1.8	1.8	2.2
Nogales, AZ	.1	.8	.7	.8	.9	.8	.8	.2	1.2	1.7	1.7	1.9	2.0	2.4
Los Angeles, CA	2.1	14.8	18.3	17.1	18.4	19.5	19.9	2.9	20.0	22.0	25.4	31.1	44.1	46.5
San Francisco, CA region	4.8	29.3	28.6	27.6	29.3	30.1	32.1	3.8	28.8	28.5	30.2	36.1	38.5	41.1
San Francisco, CA	1.8	10.6	11.4	11.3	12.4	11.9	11.4	1.3	8.3	9.5	11.2	18.2	15.5	19.1
Portland, OR	.8	3.8	3.3	3.7	4.1	3.5	3.2	.4	2.6	2.6	2.8	3.6	3.8	4.7
Seattle, WA	1.9	12.0	8.9	10.0	10.1	12.1	14.9	1.3	9.2	9.3	9.8	12.7	13.4	15.3
Anchorage, AK	.1	1.0	1.3	1.1	1.1	1.3	1.3	.1	.2	.3	.4	.3	.2	.3
Honolulu, HI	.1	.2	.2	.2	.3	.4	.2	.2	1.8	1.7	1.8	1.4	1.8	1.4
Great Falls, MT	.2	1.8	1.4	1.2	1.4	1.5	1.1	.3	3.2	3.4	3.8	3.8	4.0	3.3
Chicago, IL region	6.3	25.2	24.8	27.4	34.6	34.0	33.7	7.3	25.8	31.0	35.7	46.7	52.4	64.8
Pembina, ND	.4	2.3	2.1	2.0	2.3	2.2	2.3	.5	3.0	3.1	2.5	3.4	3.2	2.6
Minneapolis, MN	(Z)	.1	.1	.2	.2	.2	.2	.1	.3	.5	.5	.8	1.0	1.2
Duluth, MN	.3	1.5	1.0	1.0	1.6	.8	.8	.5	3.0	2.6	2.9	3.3	3.0	2.4
Milwaukee, WI	.1	.4	.2	.2	.2	.3	.1	.1	.4	.5	.8	.9	1.0	.9
Detroit, MI	4.1	14.6	15.1	17.9	22.8	22.8	21.3	4.2	12.7	15.3	19.9	25.9	27.4	27.9
Chicago, IL	.8	4.2	4.3	4.7	5.1	5.4	5.1	1.2	4.1	5.2	5.8	10.1	11.4	12.3
Cleveland, OH	.5	1.8	1.8	1.7	1.9	2.1	2.7	.8	1.5	1.7	2.1	2.8	3.8	5.4
St. Louis, MO	(Z)	.2	.1	.1	.1	.1	.2	.1	.9	1.1	.8	1.4	1.5	2.0

NA Not available. Z Less than \$50 million. <sup>1</sup>Totals shown for exports reflect the value of estimated parcel post and Special Category shipments which are not distributed by customs region/district. Beginning 1984, the value of bituminous coal exported through Norfolk, VA; Charleston, SC; and Mobile, AL is reflected in the total but not distributed by region/district. Total bituminous coal exports for the 3 customs districts were valued at \$2.3 billion in 1984, \$2.6 billion in 1985 and \$2.3 billion in 1986. Totals shown for imports include estimated shipments not distributed by region/district. <sup>2</sup>Beginning 1984, excludes exports of bituminous coal.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 880, monthly.

### NO. 1347. EXPORT AND IMPORT UNIT VALUE INDEXES—SELECTED COUNTRIES: 1979 TO 1986

[Indexes in U.S. dollars, 1980=100. A unit value is an implicit price derived from value and quantity data.]

COUNTRY	EXPORT UNIT VALUE							IMPORT UNIT VALUE						
	1979	1981	1982	1983	1984	1985	1986	1979	1981	1982	1983	1984	1985	1986
United States	88	106	110	112	112	112	113	80	105	104	108	101	99	98
Australia	86	102	95	90	88	79	77	78	103	97	93	93	88	88
Austria	92	88	84	80	74	73	97	88	80	84	79	74	74	74
Belgium	90	88	80	76	72	71	85	86	80	84	80	77	75	75
Canada	85	104	102	102	101	98	83	85	108	109	108	111	108	105
Denmark	95	90	85	81	77	73	99	89	83	87	82	78	78	82
France	90	88	83	79	77	78	(NA)	84	82	85	79	76	76	(NA)
Italy	85	92	88	85	81	81	96	80	103	87	81	87	86	81
Norway	75	100	95	87	85	84	74	87	92	86	79	72	73	85
Sweden	87	91	82	75	75	74	88	87	82	84	77	74	73	81
Switzerland	91	88	88	86	81	78	102	85	83	79	77	72	71	88
United Kingdom	80	94	88	82	78	78	85	83	83	86	82	78	78	80
West Germany	91	88	83	80	74	75	88	85	88	88	81	77	77	87

NA Not available.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

**No. 1348. PERCENT DISTRIBUTION OF U.S. DOMESTIC EXPORTS AND GENERAL IMPORTS, BY BROAD COMMODITY GROUPS: 1970 TO 1996**

COMMODITY GROUP	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Exports:</b>												
Food and live animals	10.2	14.6	11.9	13.0	12.5	12.8	13.2	11.8	12.1	11.5	9.3	8.4
Beverages and tobacco	1.6	1.2	1.8	1.6	1.3	1.2	1.3	1.5	1.4	1.3	1.4	1.4
Crude materials, inedible <sup>1</sup>	10.8	9.2	11.0	11.0	11.6	11.0	9.2	9.3	9.3	9.5	8.2	8.4
Mineral fuels and related materials	3.7	4.2	3.5	2.8	3.1	3.7	4.5	5.1	4.7	4.4	4.6	4.6
Chemicals	9.0	8.2	9.1	8.9	9.7	9.6	9.3	9.6	9.8	10.5	10.5	11.0
Machinery and transport equipment	42.0	43.0	42.2	42.0	39.5	39.1	41.8	42.1	41.2	42.4	45.6	46.2
Other manufactured goods	17.9	15.6	16.0	16.1	16.2	17.6	16.3	15.8	15.2	14.5	14.2	14.8
<b>General imports:</b>												
Food and live animals	13.5	8.8	8.5	7.9	7.4	6.4	5.8	5.9	6.0	6.5	6.4	6.6
Beverages and tobacco	2.1	1.5	1.1	1.3	1.2	1.1	1.2	1.4	1.3	1.1	1.1	1.0
Crude materials, inedible <sup>1</sup>	6.3	5.8	5.7	5.4	5.2	4.9	4.3	3.5	3.7	3.4	3.0	2.8
Mineral fuels and related materials	7.7	27.5	30.2	24.5	29.1	33.9	31.2	26.8	22.5	18.7	15.6	10.1
Chemicals	3.8	3.8	3.4	3.7	3.6	3.5	3.6	3.9	4.2	4.2	4.2	4.1
Machinery and transport equipment	28.0	24.4	24.7	27.7	26.0	24.7	26.6	30.1	33.4	36.6	39.8	43.7
Other manufactured goods	33.3	24.9	23.8	26.9	24.8	22.9	24.3	25.1	31.7	27.2	27.3	28.5

<sup>1</sup> Excludes fuels.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, monthly. Also in U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade*, annual.

**No. 1349. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1996**

[In millions of dollars. Totals and subtotals include data for commodities not shown separately. Beginning 1975, exports include nonmonetary gold. Commodity data beginning 1979 are not strictly comparable with previous years due to changes in export classifications; see source for changes. Beginning 1990, includes trade of Virgin Islands with foreign countries (see footnote 1 for exception). "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1870*, series U 274-294]

COMMODITY GROUP	1970	1975	1977	1980	1981	1982	1983	1984	1985	1986
<b>U.S. merchandise</b>	<b>42,586</b>	<b>106,861</b>	<b>178,578</b>	<b>216,868</b>	<b>229,951</b>	<b>207,188</b>	<b>196,998</b>	<b>212,057</b>	<b>208,926</b>	<b>206,376</b>
<b>Food and live animals</b>	<b>4,366</b>	<b>16,484</b>	<b>22,248</b>	<b>27,744</b>	<b>26,251</b>	<b>23,969</b>	<b>24,188</b>	<b>24,463</b>	<b>19,398</b>	<b>17,309</b>
Meat and preparations	175	526	1,127	1,293	1,482	1,286	1,181	1,208	1,153	1,424
Meat, fresh, chilled, or frozen	147	491	1,057	1,217	1,369	1,194	1,110	1,129	1,090	1,365
Dairy products and eggs	137	134	161	255	433	409	373	388	369	407
Grains and preparations	2,598	11,842	14,450	18,079	19,457	14,747	15,152	16,076	11,050	7,388
Wheat and wheat flour	1,112	5,293	5,491	6,596	8,073	6,888	6,509	6,898	3,780	3,217
Rice	314	858	850	1,285	1,529	997	929	845	885	621
Coarse grains	1,072	5,272	7,804	9,896	9,501	6,420	7,231	8,241	6,251	3,132
Corn	824	4,448	7,022	8,570	8,014	5,682	6,480	7,081	5,319	2,718
Grain sorghums	196	699	888	1,090	1,174	720	747	860	639	399
Fruits and nuts	406	871	1,525	1,936	1,983	1,778	1,701	1,676	1,710	1,876
Fruit, fresh	184	404	824	716	802	730	761	896	790	790
Vegetables	179	408	605	892	1,131	937	744	759	667	781
Feed for animals	497	967	2,317	2,876	2,739	2,473	2,602	2,226	1,891	2,622
<b>Beverages and tobacco</b>	<b>702</b>	<b>1,388</b>	<b>2,337</b>	<b>2,863</b>	<b>2,816</b>	<b>3,828</b>	<b>2,813</b>	<b>2,849</b>	<b>2,868</b>	<b>2,988</b>
Tobacco and manufactures	679	1,253	2,148	2,426	2,723	2,845	2,647	2,704	2,789	2,732
Leaf tobacco	481	852	1,184	1,334	1,457	1,547	1,462	1,511	1,521	1,298
Cigarettes	159	388	909	1,056	1,229	1,236	1,126	1,120	1,180	1,298
<b>Crude materials, inedible, exc. fuels</b>	<b>4,895</b>	<b>9,784</b>	<b>20,766</b>	<b>23,791</b>	<b>20,993</b>	<b>18,248</b>	<b>16,868</b>	<b>20,249</b>	<b>16,868</b>	<b>17,334</b>
Hides and skins, except fur skins	145	266	982	694	700	776	807	1,171	1,088	1,314
Fur skins, undressed	42	115	340	352	325	244	203	212	207	207
Soybeans	1,216	2,866	5,708	5,893	6,200	6,240	5,925	5,438	3,906	3,449
Synthetic rubber	178	281	578	698	824	563	543	624	584	649
Wood in the rough <sup>1</sup>	388	751	1,782	2,002	1,428	1,368	1,368	1,372	1,448	1,418
Wood shaped or simply worked	193	413	1,015	1,080	933	811	914	841	780	894
Lumber, softwood	162	342	778	778	653	576	802	888	483	640
Woodpulp	464	875	1,104	1,852	1,881	1,415	1,432	1,502	1,343	1,862
Textile fibers and wastes	543	1,345	3,048	3,929	3,402	2,817	2,593	3,343	2,476	1,802
Raw cotton, excluding linters	372	991	2,198	2,864	2,280	1,855	1,617	2,441	1,833	773
Iron and metal scrap	940	1,355	3,325	4,518	2,718	2,174	2,276	2,886	2,682	2,802
Iron and steel scrap	447	780	1,142	1,229	639	610	637	918	917	1,054
Iron and scrap, nonferrous base	397	481	1,920	1,223	899	890	451	580	517	480
<b>Mineral fuels and related materials</b>	<b>1,886</b>	<b>4,470</b>	<b>6,818</b>	<b>7,399</b>	<b>10,379</b>	<b>12,729</b>	<b>9,809</b>	<b>9,311</b>	<b>9,971</b>	<b>8,114</b>
Coal	982	3,259	3,329	4,621	5,809	5,997	4,051	4,132	4,484	3,829
Petroleum and products	499	906	1,814	2,533	3,696	5,947	4,567	4,470	4,707	3,839
Lubricating oils	175	275	639	739	799	345	657	598	549	602
<b>Animal and vegetable oils and fats</b>	<b>499</b>	<b>844</b>	<b>1,846</b>	<b>1,846</b>	<b>1,789</b>	<b>1,541</b>	<b>1,489</b>	<b>1,922</b>	<b>1,494</b>	<b>1,916</b>
Tallow, inedible	176	299	655	677	645	572	588	617	639	389
Soybean oil	192	289	776	699	474	498	447	742	491	259

See footnotes at end of table.

## No. 1349. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1986—Continued

[In millions of dollars. See headnote, p. 775]

COMMODITY GROUP	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>Chemicals and related products...</b>	<b>3,226</b>	<b>3,881</b>	<b>17,306</b>	<b>20,740</b>	<b>21,187</b>	<b>19,980</b>	<b>19,751</b>	<b>22,326</b>	<b>21,798</b>	<b>22,788</b>
Chemical elements and compounds	1,842	3,823	7,704	2,106	2,265	1,969	1,838	2,183	1,987	1,771
Dyeing, tanning, coloring materials	137	244	450	480	524	484	491	483	461	507
Medicinal, pharmaceutical prod.	420	866	1,581	1,932	2,185	2,275	2,484	2,828	2,708	3,080
Fertilizers, manufactured	178	1,083	1,404	2,285	1,735	1,986	1,267	1,815	2,180	1,936
Plastic materials and resins *	853	1,186	3,241	3,884	3,809	3,650	3,732	4,050	3,777	4,301
<b>Machinery and transport equip.</b>	<b>17,882</b>	<b>45,688</b>	<b>70,481</b>	<b>84,529</b>	<b>96,736</b>	<b>87,148</b>	<b>82,578</b>	<b>88,973</b>	<b>94,278</b>	<b>96,288</b>
Machinery *	11,885	29,215	45,914	57,283	64,426	59,821	54,895	61,464	60,573	60,808
Power generating machinery	1,405	3,551	6,839	8,428	9,465	9,481	8,718	9,114	9,272	9,165
Agricultural machinery	182	704	1,088	1,295	1,420	1,127	932	965	854	772
Tractors and parts	750	2,126	2,720	2,150	2,296	1,780	1,389	1,921	1,832	1,155
Electronic computers, parts and accessories	1,236	2,228	5,671	7,783	8,741	9,159	10,508	13,461	13,841	14,514
Other office machines *	311	411	804	946	1,086	1,048	1,070	1,131	1,067	988
Metalworking machinery	396	922	1,391	1,758	2,158	1,811	1,121	1,175	1,249	1,467
Metalcutting machines	213	344	350	387	574	345	204	217	246	307
Textile, leather machinery	273	486	628	693	685	554	453	520	498	554
Construction, excavating, and maintenance equipment	434	1,277	1,234	2,078	2,189	1,553	762	780	820	3,775
Materials handling equipment	607	1,648	1,744	2,243	2,438	1,582	946	911	924	873
Air-conditioning and refrigerating equipment	397	928	1,488	1,523	1,894	1,487	1,288	1,309	1,199	1,121
Pumping equipment, incl. parts	241	543	893	1,091	1,248	1,248	1,008	1,025	1,000	910
Pipe valves and parts	196	458	657	829	838	854	716	873	810	809
Power machinery, switchgear	811	1,709	3,140	3,254	3,836	3,824	3,221	3,852	3,381	3,498
Generators, generating sets	117	548	487	619	745	686	376	580	330	307
Transforming, converting, transmission apparatus	156	417	553	914	1,118	1,325	926	885	937	937
Telecommunications apparatus	680	1,574	2,957	3,454	3,856	3,884	3,804	3,843	4,167	4,407
Radio, television apparatus	576	1,339	2,148	2,238	2,525	2,430	590	588	678	619
Domestic electrical equipment	119	359	686	798	841	673	611	626	550	542
Transport equipment *	8,197	16,452	24,577	27,388	31,310	26,888	27,296	28,509	33,706	34,028
Railway vehicles	91	482	384	452	486	433	402	584	426	538
Road motor vehicles, parts *	3,245	9,290	13,904	18,117	14,733	12,751	13,482	17,851	19,445	17,885
Automobiles, nonmilitary, new	522	2,852	4,611	3,819	3,819	2,880	4,200	4,886	6,020	6,254
Trucks and tractor trucks, commercial, new	452	1,712	1,583	1,467	1,618	1,189	1,042	1,086	2,183	1,886
Parts, accessories, commercial	1,803	3,820	6,147	8,058	7,395	6,939	7,531	9,089	6,376	6,482
Aircraft, parts, and accessories	2,856	6,136	9,719	12,815	14,738	11,775	12,189	10,814	14,373	15,108
Civilian aircraft	1,528	3,189	6,177	8,256	6,813	4,848	7,531	4,147	6,894	14,731
<b>Other manufactured goods</b>	<b>7,836</b>	<b>16,882</b>	<b>28,879</b>	<b>38,802</b>	<b>37,381</b>	<b>32,780</b>	<b>30,887</b>	<b>30,639</b>	<b>29,347</b>	<b>30,834</b>
Tires and tubes	186	544	353	511	584	372	304	382	343	315
Paper and manufactures	622	1,447	1,967	2,831	2,981	2,653	2,553	2,620	2,329	2,802
Paper and paperboard	526	1,131	1,430	2,162	2,192	1,877	1,843	1,914	1,722	1,882
Nonmetallic mineral mfrs., n.e.c.	475	964	1,849	2,209	2,194	1,804	1,770	1,865	1,821	1,886
Metals and manufactures	2,978	5,861	7,825	12,071	10,244	8,243	6,954	6,979	6,285	1,081
Iron and steel mill products *	1,188	2,382	2,227	2,998	2,801	2,101	1,415	1,248	1,152	1,020
Plates and sheets	335	327	587	836	883	372	285	284	270	291
Tubes, pipes, and fittings	226	1,412	1,077	1,080	1,252	1,214	731	805	510	381
Silver bullion, refined	31	104	238	1,327	181	106	169	86	82	57
Nonferrous base metals	893	1,080	1,745	2,864	2,048	1,768	1,806	1,634	1,798	1,185
Copper	358	333	425	434	388	322	388	386	296	682
Aluminum	358	433	889	2,022	1,297	1,028	1,010	880	937	616
Metal manufactures, n.e.c.	744	1,891	3,431	4,205	4,766	3,981	3,443	3,802	3,253	3,506
Tools for hand or machine	204	480	893	858	932	810	871	878	886	581
Textiles, other than clothing	603	1,624	3,189	3,632	3,819	2,784	2,388	2,382	2,388	2,576
Textile yarn and thread	145	298	821	753	902	711	533	547	628	573
Cotton broad-woven fabrics	103	378	626	568	348	253	201	193	204	301
Textile fabrics, woven, exc. cotton	151	368	721	832	797	522	430	424	388	486
Clothing	188	403	831	1,183	1,208	831	798	776	754	879
Professional, scientific, and controlling instruments *	857	1,792	4,288	5,258	5,980	5,003	5,856	6,198	6,505	6,732
Photographic supplies	250	606	1,227	1,507	1,501	1,388	1,388	1,464	1,313	1,418
Printed matter	327	548	956	1,097	1,297	1,341	1,324	1,391	1,279	1,342
<b>Other transactions</b>	<b>1,486</b>	<b>3,821</b>	<b>9,103</b>	<b>8,488</b>	<b>8,428</b>	<b>8,824</b>	<b>7,808</b>	<b>18,118</b>	<b>10,879</b>	<b>11,811</b>
Firearms of war and ammunition	682	1,361	1,854	2,036	2,165	3,261	3,092	2,871	2,653	2,282
Estimated shipments *	802	1,572	1,798	2,119	2,388	1,888	1,597	4,353	5,742	5,795

\* Includes revisions not carried to commodity groups; therefore commodity groups will not add to total. \* Beginning 1979, includes pulpwood chips, formerly classified in "Other manufactured goods" under "Wood and manufactures." \* Beginning 1979, includes rubber materials, formerly classified in "Other manufactured goods" under "Rubber manufactures." \* Includes parts for tractors. \* Beginning 1979, includes photocopy apparatus, formerly classified in "Other manufactured goods" under "Photographic and motion picture equipment." \* Excludes parts for tractors. \* Excludes pig iron. \* Beginning 1979, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, and controlling instruments", formerly classified under "Machinery." \* Beginning 1984, includes exports valued \$10,000 and under reported without a valid schedule B commodity number beginning 1985, includes estimates of export shipments valued under \$1,001.

Source: U.S. Bureau of the Census, U.S. Exports, Schedule E—Commodity by County, FT 410, monthly.

## NO. 1350. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1986

(In millions of dollars. Imports are customs value basis for years 1982 to present, f.a.s. (free alongside ship) value basis prior to 1982. Totals and subtotals include value of commodities not shown separately. Beginning 1980, includes trade of Virgin Islands with foreign countries. "N.s.e." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 295-316.)

COMMODITY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>General imports</b>	<b>39,952</b>	<b>96,573</b>	<b>206,326</b>	<b>244,871</b>	<b>281,305</b>	<b>243,952</b>	<b>258,040</b>	<b>325,726</b>	<b>345,276</b>	<b>369,951</b>
<i>C.i.f. values<sup>1</sup></i>	<i>42,429</i>	<i>103,389</i>	<i>218,827</i>	<i>256,984</i>	<i>273,352</i>	<i>254,884</i>	<i>269,878</i>	<i>341,177</i>	<i>351,826</i>	<i>367,081</i>
<b>Food and live animals</b>	<b>8,376</b>	<b>8,503</b>	<b>15,171</b>	<b>16,766</b>	<b>17,771</b>	<b>14,463</b>	<b>15,412</b>	<b>16,440</b>	<b>18,440</b>	<b>19,777</b>
Cattle, except for breeding	111	77	249	228	182	289	301	279	301	426
Meat and preparations	1,014	1,141	2,539	2,346	1,990	2,075	2,034	2,034	2,237	2,367
Meat, fresh or frozen	847	840	1,898	1,756	1,150	1,525	1,384	1,381	1,533	1,656
Ham, shoulders, and bacon <sup>2</sup>	241	307	395	336	325	349	399	399	438	482
Fish, including shellfish	794	1,358	2,639	2,612	2,862	3,143	3,594	3,671	4,091	4,691
Fruits and nuts	447	527	1,324	1,245	1,604	1,774	1,855	2,673	2,717	2,761
Bananas	186	220	363	416	542	581	627	723	709	709
Vegetables	269	355	737	802	983	1,042	1,218	1,261	1,420	1,420
Sugar	725	1,065	974	1,067	2,142	983	1,046	1,258	936	670
Coffee, green	1,180	1,561	3,820	3,672	2,622	2,730	2,580	3,064	3,130	3,130
Cocoa or cacao beans	201	321	565	396	396	349	411	564	416	416
Tee	53	88	128	131	133	128	132	203	189	133
<b>Beverages and tobacco</b>	<b>855</b>	<b>1,418</b>	<b>2,784</b>	<b>2,784</b>	<b>3,138</b>	<b>3,384</b>	<b>3,408</b>	<b>3,893</b>	<b>3,727</b>	<b>3,886</b>
Alcoholic beverages	725	1,033	2,013	2,232	2,399	2,513	2,626	2,853	2,966	3,066
Tobacco, unmanufactured	111	343	436	422	427	445	484	625	536	581
<b>Crude materials, inedible, except fuels</b>	<b>3,307</b>	<b>5,586</b>	<b>10,860</b>	<b>10,518</b>	<b>11,193</b>	<b>8,589</b>	<b>9,580</b>	<b>11,082</b>	<b>10,381</b>	<b>10,432</b>
Hides and skins, except fur skins	51	78	136	88	101	71	64	70	74	85
Fur skins, undressed	59	78	163	143	168	127	126	173	145	145
Rubber including latex	231	363	1,058	980	980	735	809	1,132	854	854
Lumber, softwood	439	797	2,727	1,984	1,880	1,836	2,580	2,667	2,609	2,664
Lumber, hardwood	81	89	183	145	149	98	127	161	168	153
Woodpulp	480	1,032	1,506	1,725	1,778	1,485	1,470	1,489	1,489	1,604
Textile fibers and wastes	202	174	231	242	343	284	312	366	366	366
Wool and other animal hair	116	73	134	146	210	152	176	211	166	166
Industrial diamonds	39	42	118	119	118	80	86	106	136	105
Asbestos, unmanufactured	75	117	144	97	108	65	58	65	44	27
Ores and metal scrap	1,149	1,978	3,247	3,715	3,838	2,884	2,488	2,890	2,331	2,148
Iron ore and concentrates	480	854	923	773	951	497	452	534	466	466
Silver ore and base bullion	49	98	186	186	176	242	202	137	137	130
Nonferrous base metals <sup>3</sup>	522	783	1,672	2,291	1,722	1,552	1,306	1,290	1,020	1,020
Bauxite, crude	165	267	410	432	443	383	250	311	210	189
<b>Mineral fuels and related materials</b>	<b>3,075</b>	<b>28,478</b>	<b>80,081</b>	<b>82,824</b>	<b>81,417</b>	<b>57,852</b>	<b>60,980</b>	<b>53,917</b>	<b>53,917</b>	<b>37,310</b>
Petroleum and products	2,784	24,814	55,046	77,837	75,577	58,396	52,325	55,906	48,807	34,140
Petroleum, crude and partly refined	1,448	19,293	46,100	65,717	61,940	45,862	36,809	36,529	33,034	22,720
Petroleum products	1,316	5,521	9,946	11,920	13,637	13,535	15,516	19,377	18,572	11,101
Natural gas	258	1,081	2,765	5,155	5,720	5,934	5,530	4,923	4,136	2,984
<b>Animal and vegetable oils and fats</b>	<b>180</b>	<b>554</b>	<b>740</b>	<b>533</b>	<b>479</b>	<b>696</b>	<b>672</b>	<b>516</b>	<b>516</b>	<b>516</b>
<b>Chemicals and related products</b>	<b>1,450</b>	<b>3,898</b>	<b>7,486</b>	<b>8,583</b>	<b>8,446</b>	<b>10,778</b>	<b>13,887</b>	<b>14,533</b>	<b>15,091</b>	<b>15,091</b>
Organic chemicals	355	1,027	2,159	2,541	2,974	2,860	3,477	4,266	4,576	4,704
Inorganic chemicals <sup>4</sup>	371	836	2,059	2,313	2,369	2,568	3,456	3,401	3,276	3,276
Medicinal and pharmaceutical products	235	441	509	583	583	703	931	1,084	1,240	1,240
Fertilizers, manufactured	192	626	978	1,104	1,181	983	987	1,142	957	886
<b>Machinery and transport equipment</b>	<b>11,172</b>	<b>23,457</b>	<b>53,878</b>	<b>60,558</b>	<b>68,627</b>	<b>68,131</b>	<b>118,192</b>	<b>137,284</b>	<b>161,882</b>	<b>161,882</b>
Machinery	5,375	11,970	26,530	32,266	38,546	39,457	48,975	68,390	87,548	87,548
Engines and parts	782	1,616	3,004	1,666	2,251	2,611	3,570	5,449	8,482	8,482
Agricultural machinery	173	474	896	886	639	485	475	577	613	613
Tractors and parts	175	571	1,197	1,049	948	757	924	1,296	811	1,331
Office machines and data processing equipment	506	1,052	2,500	2,929	3,583	4,299	6,756	10,791	11,582	11,582
Metalworking machinery	164	361	1,123	1,425	1,613	1,468	2,025	2,759	2,759	2,759
Textile and leather machinery	361	518	830	889	974	924	1,059	1,282	1,105	1,447
Power machinery	247	550	1,708	2,378	2,547	2,974	7,291	8,649	9,602	9,602
Telecommunications apparatus	1,102	2,077	6,175	6,716	8,910	9,051	11,278	15,934	18,658	20,720
Electron tubes, transistors, semiconductor devices, and parts	224	609	2,719	3,592	3,959	4,524	5,388	6,226	6,227	6,540
Transport equipment	5,796	11,487	25,148	28,280	31,415	33,663	38,156	50,802	61,966	74,013
Automobiles and parts	5,066	9,921	22,053	24,015	26,113	29,216	34,870	45,284	45,476	56,201
Automobiles, new	3,722	7,124	14,813	16,776	17,540	19,757	22,834	29,208	36,475	36,475
Motorcycles	307	707	906	1,149	1,263	1,019	659	731	731	731
Aircraft and parts	274	519	1,078	1,866	2,585	2,481	2,051	3,011	3,578	4,484
<b>Other manufactured goods</b>	<b>13,385</b>	<b>23,827</b>	<b>51,071</b>	<b>56,970</b>	<b>63,471</b>	<b>68,530</b>	<b>88,826</b>	<b>94,982</b>	<b>106,589</b>	<b>106,589</b>
Leather manufactures and dressed furs	118	132	426	383	567	523	582	758	408	408
Rubber tires and tubes	205	475	1,136	1,143	1,331	1,238	1,839	1,823	1,986	1,986
Wood manufactures (excl. furniture)	409	573	1,391	1,133	1,189	981	1,336	1,548	780	1,777
Paper and manufactures	1,087	1,673	3,356	3,567	3,674	3,848	4,216	5,571	5,977	6,380
Newsprint	930	1,427	2,322	2,886	2,871	2,748	2,759	3,299	3,633	3,882
Construction materials <sup>5</sup>	105	638	550	585	585	507	628	940	1,158	1,356
Glass, glassware, and pottery	338	531	1,087	1,087	1,351	1,802	1,488	2,185	2,482	2,482
Diamonds, excluding industrial	433	1,862	2,252	2,186	1,917	2,275	2,805	3,008	3,459	3,459

See footnotes at end of table.



## No. 1350. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS: 1970 TO 1986—Continued

[In millions of dollars. See headnote, p. 777]

COMMODITY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Other manufactured goods—Con.										
Metals and manufactures	4,508	8,844	17,457	18,717	22,333	19,227	18,717	24,984	23,834	23,616
Pig iron and ferroalloys	78	558	702	878	863	428	453	854	488	821
Iron and steelmill products	1,952	4,037	8,784	8,892	10,347	9,184	6,338	10,208	10,288	8,168
Bars, rods, shapes, and pilings	488	930	1,524	1,420	1,747	1,468	1,307	1,885	1,775	1,603
Plates and sheets	906	1,880	3,071	2,505	2,998	2,542	2,983	4,508	4,237	3,838
Steel wire	119	225	320	293	288	242	287	228	438	208
Tubes, pipes, and fittings	349	1,008	1,543	2,193	4,836	4,486	1,388	2,833	2,445	1,582
Nonferrous base metals	1,502	2,083	4,878	5,182	5,270	4,018	4,785	6,252	7,008	5,753
Copper	532	419	884	1,470	1,279	986	1,341	1,512	1,148	1,377
Nickel	317	458	835	885	888	568	524	800	804	515
Aluminum	238	415	1,029	874	1,355	1,338	1,829	2,450	1,895	2,744
Lead	74	49	226	91	90	57	65	80	57	81
Tin	190	315	720	776	644	378	453	513	428	243
Silver, refined bullion	53	274	842	1,329	837	786	1,828	848	889	888
Platinum group metals	98	244	800	1,107	742	512	707	1,082	982	1,251
Metal manufactures, n.e.c.	825	1,789	3,871	3,732	4,170	4,294	4,504	5,823	6,580	7,129
Textiles, other than clothing	1,135	1,219	2,218	2,498	3,046	2,807	3,225	4,531	4,900	5,788
Textile yarn and thread	223	128	167	194	231	280	355	523	534	888
Cotton fabrics, woven	173	219	380	433	607	488	580	878	837	1,008
Textile fabrics, woven, exc. cotton <sup>a</sup>	489	433	775	408	572	533	588	702	100	848
Twine and cordage	35	123	112	114	104	82	87	85	79	88
Floor coverings	53	88	284	283	308	277	332	411	548	608
Clothing	1,288	2,582	5,876	6,430	7,537	6,155	6,583	13,497	14,948	17,288
Footwear	629	1,275	2,858	2,808	3,019	3,437	4,010	5,034	5,885	6,473
Professional, scientific, photographic, and controlling instruments <sup>b</sup>	356	728	1,159	2,854	3,701	3,132	3,528	4,888	3,211	1,588
Clocks and watches	184	426	945	1,127	1,275	991	1,058	1,254	1,367	1,538
Musical instruments, sound recorders and reproducers, and parts <sup>c</sup>	505	781	488	487	621	728	827	1,288	1,794	2,388
Printed matter	180	284	529	813	622	864	738	980	1,118	1,378
Articles of plastic and rubber, n.e.c.	238	428	571	918	1,006	1,102	1,362	1,881	1,831	2,832
Toys, games, and sporting goods	427	833	1,581	1,838	2,075	2,888	2,412	3,188	4,075	4,528
Artworks and antiques	182	677	1,487	2,872	2,056	2,024	2,017	2,487	2,188	2,081
Other transactions	1,274	2,518	4,888	7,225	7,296	7,708	7,742	11,141	11,141	14,814

<sup>a</sup> Value on a cost, insurance, and freight basis: cost (to the U.S. importer) of commodities at port of exportation plus insurance and freight to U.S. customs port of entry. 1970 is estimated. <sup>b</sup> Canned, cooked, and boned. <sup>c</sup> Prior to 1979, alumina is included under chemicals; thereafter, classified in crude materials. <sup>d</sup> Materials of lime, cement, and clay. <sup>e</sup> Excludes narrow or special fabrics. <sup>f</sup> Beginning 1970, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, photographic, and controlling instruments"; prior to 1970, classified under "Machinery." <sup>g</sup> Beginning 1979, sound recorders included in "Machinery."

Source: U.S. Bureau of the Census, *U.S. General Imports and Imports for Consumption, Schedule A—Commodity by Country*, FT 135, monthly.

## No. 1351. IMPORTS FOR CONSUMPTION—VALUES AND DUTIES: 1950 TO 1986

[Imports are on customs value basis. Beginning 1965, includes uranium, thorium, and related products; beginning 1970, includes silver ore and bullion, and beginning 1980, includes trade of Virgin Islands with foreign countries. For basis of dollar values and for area coverage, see text, section 29. See also *Historical Statistics, Colonial Times to 1970*, series U 207-212.]

YEAR	VALUES				Duties calculated <sup>a</sup> (mil. dol.)	RATIO OF DUTIES TO VALUES		Duties per capita <sup>b</sup> (dollar)
	Total (mil. dol.)	Free (mil. dol.)	Dutiable (mil. dol.)	Percent free		Total imports (percent)	Dutiable imports (percent)	
1950	8,743	4,787	3,976	55	522	6	13	3.43
1955	11,337	5,037	5,300	53	633	6	12	3.82
1960	14,850	5,780	8,870	39	1,084	7	12	6.00
1965	21,283	7,434	13,849	35	1,843	8	12	8.46
1970	39,758	13,870	25,888	35	2,584	6	10	12.80
1971	45,518	15,286	30,230	34	2,767	6	9	13.32
1972	55,280	18,915	36,375	34	3,124	6	9	14.88
1973	68,024	28,258	40,766	41	3,820	5	8	17.08
1974	100,140	52,052	48,088	52	3,771	4	8	17.83
1975	88,518	31,030	55,488	32	3,780	4	6	17.50
1976	121,121	37,190	83,931	31	4,875	4	6	21.44
1977	147,075	43,633	103,442	30	5,485	4	5	24.81
1978	<sup>a</sup> 172,912	51,827	121,125	30	7,182	4	6	32.17
1979	<sup>a</sup> 205,850	103,278	102,845	50	7,202	3	7	31.89
1980	<sup>a</sup> 244,007	108,992	132,951	45	7,535	3	6	33.08
1981	258,012	75,338	182,674	29	8,883	3	5	38.67
1982	242,340	75,858	168,484	31	8,688	4	5	37.40
1983	256,879	83,387	173,283	32	9,430	4	5	40.21
1984	322,989	102,977	220,012	32	12,042	4	5	50.90
1985	343,553	108,035	237,518	31	13,087	4	6	54.73
1986	388,657	121,742	246,915	33	13,312	4	5	55.10

<sup>a</sup> 1950 and 1955 data from U.S. Bureau of Customs. Customs duties (including import excise taxes) calculated on the basis of reports of quantity and value of imports of merchandise entered directly for consumption or withdrawn from bonded customs warehouses. <sup>b</sup> Based on estimated population including Armed Forces abroad as of July 1. <sup>c</sup> Total includes revisions not carried to free and dutiable values.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, Quarterly Summary of Foreign Commerce of the United States; Highlights of U.S. Export and Import Trade*, FT 180, monthly, and unpublished data.

**NO. 1362. DOMESTIC EXPORTS AND IMPORTS FOR CONSUMPTION OF MERCHANDISE, BY SELECTED  
SIC-BASED PRODUCT CATEGORY: 1978 TO 1986**

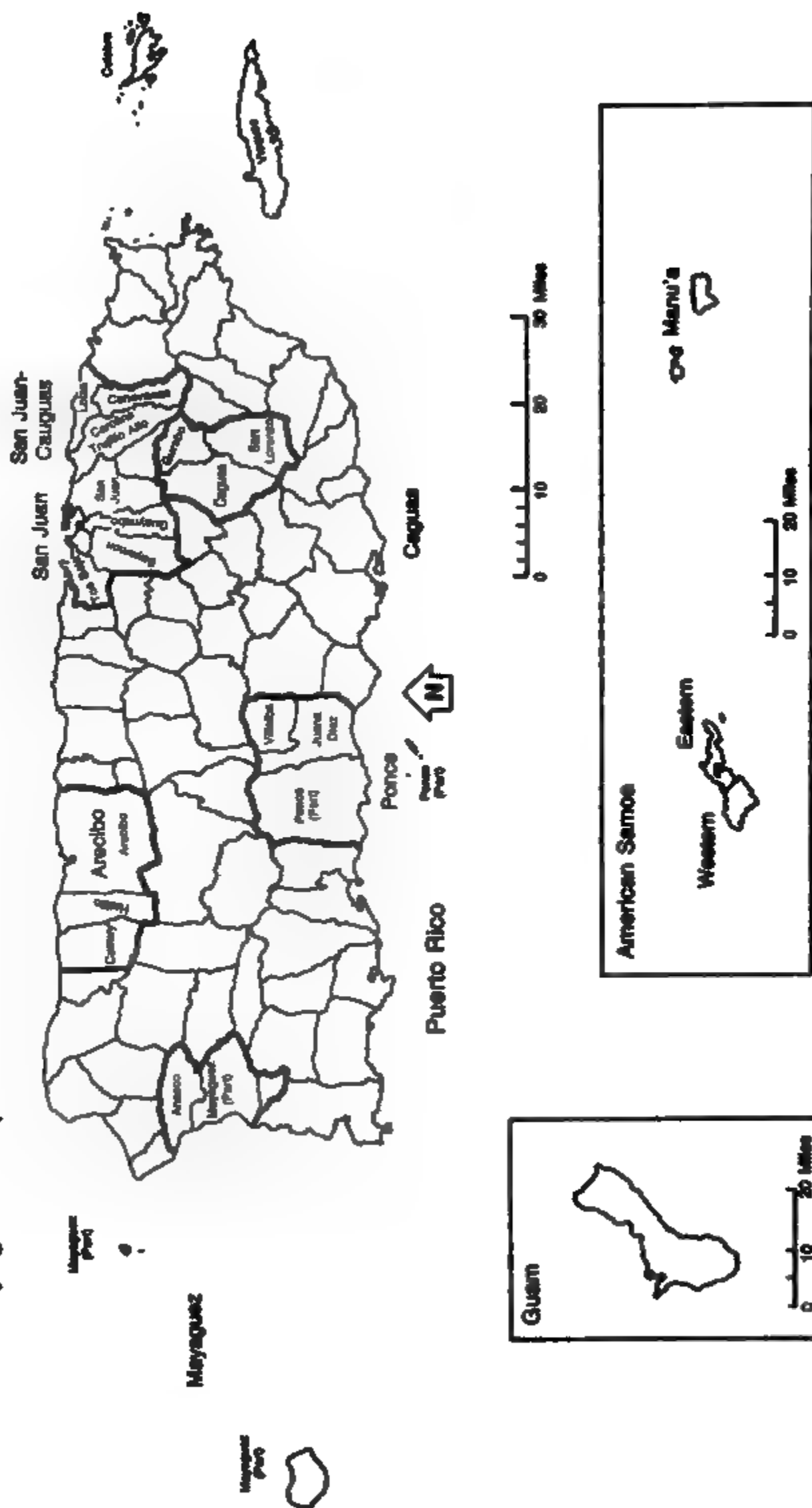
(In millions of dollars. Includes nonmonetary gold; beginning 1980, includes trade of U.S. Virgin Islands with foreign countries. For 1978-1981, imports are free alongside ship (f.a.s.) value at foreign port of exportation; thereafter, customs value basis. Beginning 1978, export data are not strictly comparable to previous years due to changes in the Schedule B export classification.)

SIC <sup>1</sup> code	SIC-BASED PRODUCT CATEGORY	1978	1979	1980	1981	1982	1983	1984	1985	1986
(x)	Domestic exports, total <sup>2</sup>	141,184	178,578	218,882	228,861	207,188	195,888	212,087	208,925	208,876
(x)	Agricultural, forestry and fishery products	21,248	25,194	30,091	31,483	25,486	25,972	27,567	20,073	15,987
01	Agricultural products	20,828	24,410	29,238	30,527	25,828	25,150	26,770	19,199	15,086
02	Livestock and livestock products	524	885	715	792	713	899	648	735	740
08	Forestry products	74	90	110	108	111	89	115	122	120
09	Fish, fresh or chilled; and other marine products	24	28	28	35	36	34	28	18	20
(x)	Mineral commodities	4,018	8,190	8,338	9,144	8,820	8,178	8,417	8,384	5,589
10	Metallic ores and concentrates	583	1,098	1,320	982	884	498	644	686	580
11	Anthracite coal	41	88	98	103	53	43	42	65	86
12	Bituminous coal and lignite <sup>3</sup>	2,008	3,331	4,529	5,813	5,938	4,013	4,091	4,400	3,684
13	Crude petroleum and natural gas	506	524	878	912	782	482	448	478	308
14	Nonmetallic minerals, fuels	880	1,173	1,415	1,354	1,183	1,129	1,193	787	774
(x)	Manufactured commodities	113,327	143,032	171,355	184,225	168,378	159,808	173,284	175,750	178,401
20	Food and kindred products	9,044	10,818	12,124	12,933	11,079	11,022	11,087	10,055	11,250
21	Tobacco manufactures	788	984	1,081	1,285	1,298	1,188	1,182	1,268	1,522
22	Textile mill products	1,488	2,130	2,488	2,328	1,788	1,558	1,541	1,462	1,893
23	Apparel and related products	1,077	1,414	1,820	1,951	1,271	1,114	1,085	1,019	1,213
24	Lumber and related products	2,439	3,520	3,895	3,049	2,883	2,852	2,899	2,888	3,018
25	Furniture and fixtures	317	395	478	534	593	522	546	483	468
26	Paper and allied products	2,505	3,210	4,870	4,755	4,210	4,103	4,322	3,888	4,479
27	Printing and publishing	824	987	1,115	1,315	1,358	1,323	1,378	1,250	1,288
28	Chemicals and allied products	12,828	17,488	21,095	21,858	20,021	19,888	22,249	21,797	22,582
29	Petroleum and coal products	1,408	2,108	2,849	3,988	5,402	5,325	5,113	5,433	4,288
30	Rubber and misc. plastics products	1,787	2,188	2,875	2,970	2,631	2,834	2,838	2,788	2,941
31	Leather and leather products	327	427	510	518	488	457	528	478	521
32	Stone, clay, and glass products	1,388	1,845	1,822	2,102	1,880	1,779	1,804	1,792	1,723
33	Primary metal products	4,478	9,890	11,491	8,780	5,483	4,892	5,380	4,747	4,893
34	Fabricated metal products	5,150	5,815	8,827	7,947	7,992	6,732	6,530	5,785	5,542
35	Machinery, except electrical	24,884	28,881	38,884	42,884	38,880	33,190	37,288	37,478	38,388
36	Electric and electronic equipment	11,304	13,538	18,354	18,392	18,144	18,029	20,164	18,908	20,415
37	Transportation equipment	25,883	28,028	29,208	33,188	29,702	30,884	32,173	38,024	37,877
38	Instruments and related products	5,320	8,437	7,880	8,428	8,371	8,271	8,884	8,823	9,237
39	Misc. manufacturing	1,982	2,531	2,888	2,728	2,208	2,185	1,885	1,773	2,080
(x)	Imports for consumption, total <sup>2</sup>	171,887	286,115	228,888	288,219	342,340	298,880	222,888	343,883	388,887
(x)	Agricultural, forestry and fishery products	8,744	10,628	10,538	10,218	9,882	10,743	12,301	12,805	14,753
01	Agricultural products	6,388	8,554	8,531	5,982	5,733	5,857	6,928	7,483	8,792
02	Livestock and livestock products	834	872	884	888	748	820	877	933	988
08	Forestry products	812	1,045	984	988	708	782	878	830	788
09	Fish, fresh or chilled; and other marine products <sup>4</sup>	1,840	2,357	2,337	2,820	2,795	3,285	3,411	3,559	4,183
(x)	Mineral commodities	38,478	53,578	70,717	70,018	53,705	43,573	43,500	38,011	27,780
10	Metallic ores and concentrates	2,088	2,374	2,312	2,297	1,845	1,321	1,638	1,285	1,318
12	Bituminous coal and lignite <sup>3</sup>	75	52	30	30	23	43	44	70	80
13	Crude petroleum and natural gas	34,328	48,818	65,857	65,581	50,115	40,870	38,882	35,872	24,483
14	Nonmetallic minerals, etc. fuels	2,007	2,333	2,517	2,108	1,821	1,539	1,889	1,804	1,819
(x)	Manufactured commodities	118,717	135,557	150,843	171,355	170,405	184,405	257,845	280,888	314,138
20	Food and kindred products	7,971	9,808	10,381	10,883	9,881	10,334	12,010	12,821	12,521
21	Tobacco manufactures	50	51	93	200	227	404	88	78	82
22	Textile mill products	1,832	1,820	2,083	2,488	2,201	2,524	3,488	3,818	4,138
23	Apparel and related products	5,722	5,902	6,543	7,750	6,432	9,888	13,918	15,710	18,171
24	Lumber and related products	4,282	4,880	3,848	3,843	3,059	4,428	4,838	5,108	5,374
25	Furniture and fixtures	861	1,009	1,083	1,228	1,354	1,795	2,458	3,220	3,987
26	Paper and allied products	4,038	4,855	5,322	5,859	5,343	5,881	7,431	7,488	7,883
27	Printing and publishing	504	548	628	639	672	795	1,070	1,200	1,488
28	Chemicals and allied products	5,583	8,050	7,003	7,871	7,655	9,388	11,887	12,788	13,281
29	Petroleum and coal products	7,701	11,080	13,420	15,820	15,843	17,385	21,202	18,282	12,838
30	Rubber and misc. plastics products	2,348	2,832	2,743	3,112	2,837	3,405	4,385	4,721	5,381
31	Leather and leather products	2,880	3,427	3,379	3,873	4,498	5,298	6,788	7,724	8,848
32	Stone, clay, and glass products	1,819	2,198	2,282	2,483	2,388	2,882	3,791	4,288	4,910
33	Primary metal products	13,908	15,823	18,027	20,478	18,813	18,359	22,117	20,439	22,580
34	Fabricated metal products	3,859	4,258	4,388	5,028	5,154	5,273	6,804	7,754	8,478
35	Machinery, except electrical	10,588	13,088	14,222	18,281	18,183	18,440	27,821	31,310	38,284
36	Electric and electronic equipment	12,007	13,424	15,451	18,833	20,124	24,828	35,325	37,951	42,734
37	Transportation equipment	24,428	28,473	28,885	33,883	35,883	41,827	54,297	65,944	78,887
38	Instruments and related products	3,754	4,011	4,882	5,838	5,380	6,023	7,729	8,805	10,848
39	Misc. manufacturing	4,395	4,835	5,430	6,695	7,110	7,383	9,714	11,130	12,778

X Not applicable. <sup>1</sup> Standard Industrial Classification. <sup>2</sup> Includes scrap and waste, used or secondhand merchandise, and manufactured commodities not identified by kind. <sup>3</sup> Includes anthracite. <sup>4</sup> Includes frozen and packaged fish.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FY 1987.

Figure 30.1  
Selected U.S. Outlying Areas Map.





## Section 30

# Outlying Areas

This section presents summary economic and social statistics for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands.

Primary sources are the decennial censuses of population and housing, and the censuses of agriculture, business, manufactures, and construction (taken every five years) conducted by the Bureau of the Census; the annual *Vital Statistics of the United States*, issued by the National Center for Health Statistics; and the annual *Income and Product of the Puerto Rico Planning Board*, San Juan.

**Jurisdiction.**—The United States gained jurisdiction over these areas as follows:

The islands of *Puerto Rico* and *Guam*, surrendered by Spain to the United States in October 1898, were ceded to the United States by the Treaty of Paris, ratified in 1899. Puerto Rico became a Commonwealth on July 25, 1952, thereby achieving a high degree of local autonomy under its own constitution. The *Virgin Islands*, comprising 50 islands and cays, was purchased by the United States from Denmark in 1917. *American Samoa*, a group of 7 islands, was acquired by the United States in accordance with a convention among the United States, Great Britain, and Germany, ratified in 1900 (Swains Island was annexed in 1925).

By an agreement approved by the Security Council and the United States the Northern Mariana Islands, previously under Japanese mandate, was administered by the United States between 1947 and 1966 under the United Nations trusteeship system. The Northern Mariana Islands became a Commonwealth in 1966.

For a brief summary of U.S. territorial development, see tables 3 and 319.

**Censuses.**—Because characteristics of the outlying areas differ, the presentation of census data for them is not uniform. The 1980 Census of Population covered all of the places listed above except the Northern Mariana Islands (their census was conducted in April 1958 by the Office of the High Commissioner), while the 1980 Census of Housing also excluded American Samoa. The 1970 and 1980 Censuses of Population and Housing covered all five areas. The 1959, 1969, and 1978 Censuses of Agriculture covered Puerto Rico, American Samoa, Guam, and the Virgin Islands; the 1964, 1974, and 1982 censuses covered the same areas except American Samoa; and the 1978 census included the Northern Mariana Islands. Beginning in 1967, Congress authorized the economic censuses, to be taken at 5-year intervals, for years ending in 2 and 7. Prior economic censuses were conducted in Puerto Rico for 1954, 1958, and 1963, and in Guam and the Virgin Islands for 1958 and 1963. In 1967, the census of construction industries was added for the first time in Puerto Rico; in 1972 Virgin Islands and Guam were covered. Beginning 1982, the economic censuses covered the Northern Mariana Islands.

**Information in other sections.**—In addition to the statistics presented in this section, other data are included as integral parts of many tables showing distribution by States in various sections of the *Abstract*. See "Outlying areas of the United States" in the index. For definition and explanation of terms used, see section 1, Population; section 4, Education; section 23, Agriculture; section 28, Construction and Housing; section 27, Manufactures; and section 26, Domestic Trade and Services.

### No. 1263. ESTIMATED RESIDENT POPULATION, BY AREA: 1950 TO 1986

(In thousands. As of July 1. Includes estimates of Armed Forces stationed in area)

AREA	1950	1955	1970	1975	1980	1985	1986
Puerto Rico	2,218	2,382	2,716	2,933	3,308	3,582	3,274
American Samoa	19	20	27	30	32	36	37
Guam	60	66	96	102	107	124	127
Virgin Islands	27	32	60	94	98	111	116
Northern Mariana Islands <sup>1</sup>	(NA)	(NA)	12	16	17	18	20

NA Not available. <sup>1</sup> Data consistent with apportionment census of September 1972 which showed a total population of 14,333 for the Marianas.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 88, 205, 942, and 1,808.

### No. 1354. ESTIMATES OF COMPONENTS OF POPULATION CHANGE, BY AREA: 1970 TO 1980 AND 1980 TO 1986

(In thousands, except percent. Resident population, including Armed Forces stationed in area. See table 1355 for population totals. Minus sign (-) indicates decrease. For explanation of methodology, see source)

AREA	APRIL 1, 1970 TO APRIL 1, 1980					APRIL 1, 1980 TO JULY 1, 1986				
	Net change		Births	Deaths	Net migration <sup>1</sup>	Net change		Births	Deaths	Net migration <sup>1</sup>
	Number	Percent				Number	Percent			
Puerto Rico.....	484.5	17.9	744.0	193.7	-65.9	77.1	2.4	417.8	135.8	-308.1
American Samoa.....	5.1	18.9	10.8	1.4	-4.1	5.0	15.6	8.0	9	-2.1
Guam.....	21.0	24.7	30.7	4.1	-5.7	20.8	19.8	19.1	2.7	4.4
Virgin Islands.....	34.1	54.6	26.8	5.0	12.5	12.9	13.4	15.4	3.3	.8
Northern Mariana Islands <sup>2</sup> .....	4.6	37.5	5.3	.9	( <sup>3</sup> )	2.9	17.2	4.0	.6	( <sup>3</sup> )

<sup>1</sup> Includes error of closure (the amount necessary to make the components of change add to the net change between censuses). <sup>2</sup> See footnote 1, table 1353. <sup>3</sup> Migration is derived as a residual. Because part of the residual migration in these areas reflects under-registration of vital statistics, migration figures are not shown.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 943 and 1009.

### No. 1355. POPULATION AND MEDIAN AGE, BY AREA AND SEX: 1960 TO 1980

(As of April 1. For definition of median, see Guide to Tabular Presentation)

AREA AND SEX	POPULATION (1,000)			MEDIAN AGE (years)			AREA AND SEX	POPULATION (1,000)			MEDIAN AGE (years)		
	1960	1970	1980	1960	1970	1980		1960	1970	1980	1960	1970	1980
Puerto Rico.....	2,349.5	2,712.0	3,196.5	18.5	21.6	24.6	Guam.....	67.0	85.0	106.0	20.8	20.4	22.3
Male.....	1,162.8	1,329.9	1,558.7	18.0	20.9	23.7	Male.....	39.2	47.3	56.3	22.9	21.6	22.4
Female.....	1,186.8	1,382.2	1,638.8	18.9	22.2	25.5	Female.....	27.8	37.7	50.7	18.5	18.2	22.1
American Samoa.....	20.1	27.2	32.3	15.2	16.1	18.8	Virgin Islands.....	32.1	62.5	96.6	20.7	23.0	22.5
Male.....	10.2	13.7	16.4	14.6	16.1	18.4	Male.....	15.9	31.3	48.2	20.3	23.1	21.1
Female.....	9.9	13.6	15.9	15.8	16.1	19.2	Female.....	16.2	31.3	50.4	21.2	23.0	23.8
							No. Mariana Is.....	(NA)	9.6	18.6	(NA)	15.2	19.7
							Male.....	(NA)	4.9	8.8	(NA)	15.4	20.9
							Female.....	(NA)	4.7	8.0	(NA)	15.0	18.5

NA Not available.

Source: U.S. Bureau of the Census, *Census of Population: 1980*, vol. 1; *1970*, Vol. 1, *Characteristics of the Population*, parts 53-58; and *1960*, Vol. 1, *Chapter B, Characteristics of the Population*, parts 53-57b.

### No. 1356. POPULATION, BY PLACE OF BIRTH—AREA: 1980

(As of April 1)

ITEM	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
Total resident population <sup>1</sup> .....	106,978	96,989	32,297	16,789
Born in this area.....	52,113	43,234	18,888	11,983
Percent of total.....	49.2	44.8	57.5	71.5
Born in the United States.....	22,950	11,984	2,189	583
Born in other outlying areas.....	3,552	4,993	24	2,074
Born in Asia.....	22,848	548	286	1,915
Born outside this area.....	50,596	* 30,791	13,442	4,823
Immigrated:				
1975-1980.....	32,159	7,080	7,188	2,916
1970-1974.....	8,782	7,054	2,715	1,027
1960-1969.....	6,342	13,568	2,406	388
Before 1960.....	3,312	3,031	1,154	282

<sup>1</sup> Includes persons born elsewhere and place of birth not reported. <sup>2</sup> Excludes 4,883 persons born in Puerto Rico; 11,984 born in the United States; and 282 born abroad of American parents.

Source: U.S. Bureau of the Census, unpublished data.

No. 1357. LAND AREA AND POPULATION CHARACTERISTICS, BY AREA: 1980

[As of April 1. See also table 319, for gross area (land and water). For definition of median, see Guide to Tabular Presentation]

ITEM	Puerto Rico	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
Land area (sq. miles).....	3,459	209	132	77	184
Total resident population.....	3,188,825	105,979	98,599	32,297	16,789
Per square mile.....	924.1	507.1	731.6	419.4	91.2
Percent increase, 1970-1980 .....	17.9	24.7	54.6	18.9	74.1
Urban .....	2,134,395	41,875	37,730	5,660	2,678
Rural.....	1,052,155	64,104	58,839	26,637	14,102
Male .....	1,556,727	55,321	46,204	16,364	8,817
Female.....	1,639,793	50,858	50,368	15,913	7,983
Males per 100 females.....	94.9	109.2	91.7	103.0	110.7
Median age (years) .....	24.8	22.3	22.5	18.8	19.7
Male (years) .....	23.7	22.4	21.1	18.4	20.9
Female (years).....	25.5	22.1	23.6	19.2	18.5
Persons 25 years old and over.....	1,577,682	46,906	44,868	12,164	6,760
School years completed:					
Elementary: 0-8 years .....	753,742	9,973	15,697	4,360	2,865
High school:					
1-3 years .....	200,259	6,157	6,475	2,697	651
4 years or more .....	332,770	14,653	11,543	3,106	1,543
College .....	280,901	16,123	10,971	2,019	1,480
Marital status, persons 15 years old and over .....	2,167,946	69,007	61,791	19,288	9,975
Single .....	613,024	20,675	22,376	7,406	3,462
Married <sup>1</sup> .....	1,320,193	44,041	32,204	10,571	5,977
Widowed or divorced.....	254,029	4,291	7,211	1,113	536
Households and families:					
Population in households.....	3,176,511	101,090	95,949	31,963	16,234
Number of households .....	636,565	24,634	26,329	4,513	3,026
Population per household .....	4.99	4.07	3.39	7.06	5.36
Families.....	759,936	21,780	20,855	4,267	2,652
Husband-wife families.....	560,326	18,473	13,612	3,475	2,113

<sup>1</sup> Includes consensually married couples and separated couples.  
Source: U.S. Bureau of the Census, unpublished data.

No. 1358. VITAL STATISTICS—SPECIFIED AREAS: 1960 TO 1985

[Births, deaths, and infant deaths by place of residence; marriages and divorces by place of occurrence. Rates for 1960, 1970, and 1980 based on population enumerated as of April 1; for all other years; on population estimated as of July 1]

AREA AND YEAR	BIRTHS		DEATHS		INFANT DEATHS		MARRIAGES		DIVORCES <sup>2</sup>	
	Num-ber	Rate <sup>1</sup>	Num-ber	Rate <sup>1</sup>	Num-ber	Rate <sup>2</sup>	Num-ber	Rate <sup>1</sup>	Num-ber	Rate <sup>1</sup>
Puerto Rico:										
1960 .....	76,914	32.5	15,791	6.7	3,307	43.3	<sup>4</sup> 20,212	<sup>4</sup> 8.6	5,218	2.2
1970 .....	67,626	24.8	18,060	8.7	1,930	26.6	29,905	11.0	9,696	3.6
1975 .....	69,702	23.8	17,605	6.1	1,335	19.2	32,731	11.2	12,965	4.4
1980 .....	72,968	22.8	20,413	6.4	1,351	18.5	33,167	10.4	15,276	4.8
1981 .....	71,300	21.9	21,065	6.5	1,318	18.5	31,802	9.8	14,247	4.4
1982 .....	69,256	21.2	21,427	6.6	1,187	17.1	30,799	9.4	14,064	4.3
1983 .....	65,659	20.1	21,377	6.5	1,131	17.2	29,467	9.0	13,164	4.0
1984 .....	63,247	19.3	21,618	6.6	967	15.6	29,409	9.0	13,806	4.2
1985 .....	63,547	19.4	23,071	7.0	944	14.9	(NA)	(NA)	(NA)	(NA)
Guam:										
1965 .....	2,523	32.8	336	4.4	82	32.5	471	6.2	53	.7
1970 .....	2,842	28.8	355	5.8	62	21.6	874	9.9	64	1.0
1975 .....	3,156	30.9	427	4.2	65	20.6	1,861	16.2	196	1.9
1980 .....	2,945	27.8	393	3.7	43	14.6	(NA)	(NA)	(NA)	(NA)
1981 .....	2,949	26.8	365	3.5	30	10.2	(NA)	(NA)	(NA)	(NA)
1982 .....	2,954	26.7	426	3.9	29	9.8	(NA)	(NA)	(NA)	(NA)
1983 .....	3,152	27.1	442	3.8	29	9.2	(NA)	(NA)	(NA)	(NA)
1984 .....	2,994	25.0	409	3.4	26	8.7	(NA)	(NA)	(NA)	(NA)
1985 .....	3,049	24.6	415	3.4	35	11.5	(NA)	(NA)	(NA)	(NA)
Virgin Islands:										
1960 .....	1,180	36.8	332	10.3	42	35.6	359	11.1	135	4.2
1970 .....	2,698	48.8	469	7.9	72	24.6	1,149	18.4	270	4.3
1975 .....	2,372	25.1	477	5.0	62	26.1	1,084	11.3	353	3.7
1980 .....	2,504	25.9	504	5.2	61	24.4	1,112	11.5	478	4.9
1981 .....	2,442	24.6	547	5.5	56	22.5	1,092	11.0	406	4.1
1982 .....	2,509	24.7	486	4.9	49	19.5	1,311	12.9	336	3.3
1983 .....	2,584	24.9	464	4.7	54	20.9	1,341	12.9	313	3.0
1984 .....	2,432	22.6	471	4.4	55	22.6	1,407	13.1	352	3.3
1985 .....	2,375	21.4	506	4.6	42	17.7	(NA)	(NA)	(NA)	(NA)

NA Not available. <sup>1</sup> Per 1,000 population. <sup>2</sup> Per 1,000 live births. <sup>3</sup> Includes reported annulments.  
<sup>4</sup> Data are incomplete.  
Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.



No. 1359. SCHOOL ENROLLMENT AND EMPLOYMENT STATUS, 1980, AND PERCENT DISTRIBUTION BY FAMILY INCOME CLASS, 1979, BY AREA

ITEM	Puerto Rico <sup>1</sup>	Guam	Virgin Islands	American Samoa	North-ern Mariana Islands
SCHOOL ENROLLMENT, 1980					
Total enrolled, 3 years old and over .....	871,882	38,802	34,834	12,842	5,479
Elementary (grades 1-8), total <sup>2</sup> .....	618,428	23,303	25,842	8,886	4,182
Public .....	542,955	20,061	20,578	7,452	3,578
Private .....	73,483	3,242	5,086	1,243	526
High school (4 years), total .....	220,477	8,503	7,278	3,224	1,281
Public .....	200,118	7,580	5,858	2,759	1,148
Private .....	20,359	982	1,419	465	132
College, total .....	134,877	4,137	2,817	823	96
Public .....	103,650	3,888	1,897	831	80
EMPLOYMENT STATUS, 1980					
Total persons, 16 years old and over .....	2,114,873	95,773	59,310	18,319	9,588
In labor force .....	889,856	44,484	36,082	8,329	6,102
Percent of total .....	41.1	66.6	64.2	45.5	63.6
Armed Forces .....	4,137	10,125	84	21	13
Civilian labor force .....	885,719	34,359	37,988	8,308	6,089
Employed .....	733,922	32,882	35,852	8,108	5,941
Unemployed .....	131,797	1,667	2,346	202	148
Percent of civilian labor force .....	15.2	4.9	6.2	2.4	2.4
Not in labor force .....	1,244,817	22,289	21,228	9,990	3,487
FAMILY INCOME, 1979					
Families, 1980 .....	757,948	21,788	30,838	4,287	2,882
Percent distribution, by income class .....	100.0	100.0	100.0	100.0	100.0
Less than \$1,000 .....	11.3	2.1	3.2	6.1	4.4
\$1,000-\$2,499 .....	12.4	1.7	3.4	4.3	5.9
\$2,500-\$4,999 .....	19.7	3.7	7.8	14.2	17.8
\$5,000-\$7,499 .....	17.5	6.6	14.3	16.6	16.1
\$7,500-\$9,999 .....	10.9	9.8	12.4	12.9	13.7
\$10,000-\$14,999 .....	13.3	21.1	19.8	18.4	16.9
\$15,000-\$24,999 .....	10.3	28.4	22.3	16.7	14.7
\$25,000 or more .....	4.6	26.6	18.7	10.7	10.4
Median income <sup>3</sup> (dol.) .....	5,923	16,203	11,914	9,615	<sup>4</sup> 8,886

<sup>1</sup> Data based on sample and subject to sampling variability, see Appendix III. <sup>2</sup> Includes nursery and kindergarten.  
<sup>3</sup> For definition of median, see Guide to Tabular Presentation. <sup>4</sup> Excludes those with no income.

Source: U.S. Bureau of the Census, unpublished data.

No. 1360. FEDERAL DIRECT PAYMENTS FOR INDIVIDUALS BY SELECTED PROGRAM AND OUTLYING AREA: 1985 AND 1986

[In thousands of dollars. For fiscal years ending September 30]

PROGRAM PAYMENTS	1985				1986			
	Puerto Rico	Guam	Virgin Islands	American Samoa	Puerto Rico	Guam	Virgin Islands	American Samoa
Total .....	2,480,036	72,188	82,831	9,373	2,675,525	88,134	95,989	9,888
Pell Grants .....	153,955	1,072	337	47	282,888	756	579	172
Medicare: Hospital Insurance .....	130,684	5,744	3,482	-	134,211	1,632	3,573	-
Supplemental medical insurance .....	103,484	3,139	1,838	-	119,503	1,270	2,123	-
Social Security: Disability insurance .....	481,827	1,288	3,338	1,097	493,897	1,328	3,815	1,258
Retirement insurance .....	818,556	6,955	24,485	2,904	842,983	7,318	25,442	2,988
Survivors insurance .....	294,267	3,788	7,304	2,258	347,922	4,805	8,318	2,679
Veterans: Pension and disability .....	223,542	2,641	779	1,226	226,162	2,744	819	1,332
Education assistance .....	5,132	462	19	220	4,227	447	16	297
Federal retirement and disability .....	123,727	23,711	7,581	1,487	129,597	25,555	7,476	833
Food Stamps .....	<sup>1</sup> 824,280	18,263	23,558	-	<sup>1</sup> 817,796	16,984	21,642	-
Other .....	124,652	5,105	10,110	134	94,335	3,515	22,178	96

- Represents or rounds to zero. <sup>1</sup> Food stamp program in Puerto Rico was replaced by the Nutritional Assistance Grant Program in 1982. Figures shown represent grants to State and local governments, not included in totals.

Source: U.S. Bureau of the Census, *Federal Expenditures by State*, annual.

## No. 1361. PUERTO RICO—SUMMARY: 1960 TO 1966

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>POPULATION</b>											
Total <sup>1</sup>	1,000	2,380	2,722	2,839	3,208	3,247	3,289	3,265	3,270	3,276	3,288
Persons per family	Number	4.8	4.6	4.4	4.3	4.2	4.2	4.2	4.1	4.1	4.1
<b>EDUCATION</b> <sup>2</sup>											
Enrollment, total	1,000	737.8	825.8	977.9	1,028.2	1,043.9	1,044.3	1,064.6	1,089.5	1,085.8	1,075.0
Public day school	1,000	573.4	672.3	704.1	718.1	712.9	711.7	708.7	701.8	682.9	685.9
Other public	1,000	78.4	103.9	83.7	85.8	100.6	85.6	* 98.2	* 104.7	* 99.7	100.9
Private schools	1,000	83.3	92.3	96.7	96.4	96.5	102.4	107.8	102.7	107.1	130.4
College and university	1,000	24.5	57.3	94.4	127.0	131.9	134.5	151.9	155.3	155.7	158.8
Expenses	ML dol	87.4	288.8	427.7	818.1	945.7	988.9	1,019.5	1,085.7	1,135.8	1,152.8
As percent of GNP	Percent	5.2	8.2	8.0	7.4	7.8	7.8	7.9	7.7	7.7	7.3
Public	ML dol	74.1	254.8	334.8	812.2	718.2	728.6	737.9	782.2	810.2	814.4
Private	ML dol	13.3	34.2	92.9	205.9	228.5	260.3	281.6	303.5	325.6	338.2
<b>LABOR FORCE</b> <sup>4</sup>											
Total <sup>5</sup>	1,000	825	795	825	907	925	918	919	952	984	977
Employed <sup>6</sup>	1,000	542	686	689	753	789	719	703	743	758	777
Agriculture <sup>7</sup>	1,000	125	88	48	40	36	35	37	39	37	38
Manufacturing	1,000	81	132	130	143	141	134	131	142	138	140
Trade	1,000	97	128	134	138	142	141	138	145	147	149
Government	1,000	82	106	143	184	185	171	170	177	180	180
Unemployed	1,000	82	79	125	154	186	199	216	209	206	200
Unemployment rate <sup>8</sup>	Rate	13	10	15	17	18	22	23	22	21	21
Compensation of employees	ML dol	928.9	2,800.2	4,838.2	7,217.6	7,855.5	7,972.3	8,080.4	8,745.5	9,234.5	9,583.9
Avg. compensation	Dollar	1,711	4,082	5,822	9,584	10,350	11,088	11,488	11,771	12,183	12,309
Salary and wages	ML dol	872.0	2,584.5	4,320.9	6,341.0	6,900.8	6,984.2	7,055.8	7,848.0	8,089.7	8,297.9
<b>INCOME</b> <sup>9</sup>											
Personal income:											
Current dollars	ML dol	1,374	3,753	6,861	10,932	12,100	12,888	12,695	13,425	14,314	14,947
Constant (1964) dollars	ML dol	1,240	2,654	3,381	3,947	3,985	3,934	3,827	3,908	4,159	4,289
Disposable personal income:											
Current dollars	ML dol	1,334	3,565	6,480	10,333	11,432	11,969	11,838	12,648	13,488	14,188
Constant (1964) dollars	ML dol	1,204	2,521	3,194	3,730	3,746	3,711	3,588	3,755	3,918	3,988
Average family income:											
Current dollars	Dollar	2,818	6,386	10,388	14,782	15,746	16,387	16,339	16,843	17,913	18,651
Constant (1964) dollars	Dollar	2,544	4,503	5,104	5,315	5,182	5,078	5,002	5,002	5,203	5,311
<b>BANKING</b> <sup>10</sup>											
Assets	ML dol	705	3,322	6,842	10,223	14,163	15,805	18,435	19,988	21,209	22,534
Liabilities	ML dol	835	2,548	6,830	13,389	15,771	18,701	24,088	(NA)	(NA)	(NA)
Personal checking	ML dol	(NA)	1,989	5,714	11,208	14,773	16,640	21,917	(NA)	(NA)	(NA)
Personal savings	ML dol	(NA)	94	188	423	475	800	759	(NA)	(NA)	(NA)
Government accounts	ML dol	(NA)	454	1,049	1,770	1,531	1,281	1,422	(NA)	(NA)	(NA)
<b>TOURISM</b> <sup>11</sup>											
Number of visitors	1,000	347.4	1,088.4	1,329.1	1,627.4	1,573.4	1,583.7	1,529.8	1,488.4	1,544.9	1,572.8
Visitor expenditures	ML dol	58.1	235.4	372.7	615.0	649.7	689.2	690.9	681.2	722.7	742.9
Average per visitor	Dollar	187	218	280	378	413	447	452	456	468	472
Net income from tourism	ML dol	19.4	89.8	117.2	199.3	206.9	216.0	219.9	220.4	(NA)	(NA)

NA Not available. <sup>1</sup> As of July 1. <sup>2</sup> Enrollment for the first school month. Expenses for school year ending in year shown. <sup>3</sup> Includes adult education. <sup>4</sup> Annual average of monthly figures. For fiscal years. <sup>5</sup> Beginning 1980, for population 18 years old and over; 1960-1975, for population 14 years and over. <sup>6</sup> Includes other employment, not shown separately. <sup>7</sup> Includes forestry and fisheries. <sup>8</sup> Percent unemployed of the labor force. <sup>9</sup> For fiscal years. <sup>10</sup> As of June 30.

Sources: Puerto Rico Planning Board, San Juan, PR, *Income and Product*, annual, and *Socioeconomic Statistics*, annual.

## No. 1362. PUERTO RICO—EMPLOYMENT STATUS, 1960 TO 1986, AND BY SEX, 1986

[In thousands of persons 14 years old and over except, beginning 1980, 18 years old and over. Annual averages for calendar years of the civilian noninstitutional population]

EMPLOYMENT STATUS	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986		
										Total	Male	Female
Total	1,368	1,743	1,983	2,116	2,168	2,218	2,251	2,273	2,293	2,303	1,679	1,224
In the labor force:												
Employed	635	777	826	916	925	912	942	958	969	968	639	368
Working	558	693	678	756	742	704	722	758	758	809	489	310
35 hours or more	525	657	630	712	695	684	683	719	710	768	478	290
Less than 35 hours	* 406	599	488	535	485	470	459	521	508	579	372	207
Not working	* 119	88	175	177	230	194	185	198	203	189	106	83
Unemployed	33	35	45	48	47	40	39	40	47	41	21	19
Percent	77	84	150	156	184	208	220	196	211	189	140	48
Percent	12.1	10.7	16.1	17.0	19.8	22.8	23.4	20.7	21.8	18.9	22.0	13.5
Not in labor force	794	966	1,157	1,200	1,241	1,303	1,309	1,315	1,324	1,305	440	885

\* 30 hours or more. <sup>1</sup> Less than 30 hours.

Sources: Puerto Rico Dept. of Labor and Human Resources, Bureau of Labor Statistics, San Juan, PR.

## NO. 1363. PUERTO RICO—GROSS PRODUCT BY MAJOR INDUSTRIAL SECTOR: 1971 TO 1986

[in millions of dollars. For fiscal years ending June 30]

ITEM	1971	1975	1976	1978	1980	1981	1982	1983	1984	1985	1986, prel.
Gross product	5,282	7,184	8,984	10,061	11,074	12,180	12,827	12,933	14,019	14,806	15,794
Agriculture	177	271	338	355	394	377	395	398	343	348	338
Manufacturing	1,334	2,371	3,020	4,471	5,323	5,786	6,017	6,483	7,288	7,758	8,188
Contract construction and mining <sup>1</sup>	485	482	341	359	370	410	355	322	308	337	340
Transportation <sup>2</sup>	482	787	967	1,098	1,235	1,303	1,541	1,457	1,800	1,885	1,808
Trade	967	1,377	1,903	2,124	2,277	2,489	2,471	2,417	2,785	2,933	3,121
Finance, insurance, real estate	674	975	1,248	1,452	1,589	1,711	1,947	2,197	2,383	2,485	2,784
Services	552	806	1,070	1,178	1,316	1,443	1,542	1,620	1,761	1,853	1,989
Government	736	1,334	1,571	1,708	1,888	2,051	1,952	2,029	2,173	2,345	2,389
Commonwealth	858	1,145	1,309	1,406	1,573	1,739	1,675	1,723	1,848	1,985	2,033
Municipalities	80	189	262	301	323	318	277	306	324	360	356
Rest of the world	407	-1,043	-2,179	-2,725	-3,406	-3,633	-3,788	-4,055	-4,812	-4,878	-5,315
Statistical discrepancy	234	-135	-186	44	70	272	195	57	-35	33	222

<sup>1</sup> Mining includes only quarries. <sup>2</sup> Includes other public utilities.Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1985-86*.

## NO. 1364. PUERTO RICO—NET INCOME, BY INDUSTRIAL ORIGIN: 1970 TO 1986

[in millions of dollars. For fiscal years ending June 30]

INDUSTRY	1970	1975	1978	1980	1981	1982	1983	1984	1985	1986, prel.
All industries	3,598	6,084	8,322	9,213	9,947	10,360	10,840	11,534	12,149	12,927
Agriculture	178	315	443	488	430	480	422	395	388	389
Manufacturing	958	1,987	3,996	4,809	5,220	5,408	5,735	6,485	6,984	7,491
Chemicals and allied products	109	561	1,268	1,583	1,788	1,908	2,269	2,341	2,886	3,082
Metal products and machinery	192	484	1,186	1,454	1,721	1,828	1,753	2,184	2,294	2,388
Food and related products	181	285	497	549	645	682	565	754	834	880
Apparel and related products	172	208	329	381	374	375	408	452	408	389
Other manufacturing	324	452	884	883	694	613	740	774	784	772
Mining	7	5	5	9	9	9	207	299	320	323
Contract construction	338	405	330	339	377	320	1,192	1,253	1,197	1,416
Transp. and other public utilities <sup>1</sup>	342	629	881	1,003	1,063	1,213	1,192	1,253	1,197	1,416
Trade	631	970	1,466	1,621	1,743	1,770	1,748	2,011	2,087	2,218
Finance, insurance, and real estate	504	803	1,217	1,348	1,432	1,653	1,872	1,987	2,071	2,295
Services	448	686	1,003	1,130	1,255	1,344	1,400	1,531	1,625	1,735
Commonwealth Government <sup>2</sup>	610	1,334	1,708	1,888	2,051	1,952	2,029	2,173	2,345	2,389
Rest of the world	347	-1,043	-2,725	-3,406	-3,633	-3,788	-4,055	-4,812	-4,878	-5,315

<sup>1</sup> Includes radio and television. <sup>2</sup> Includes public enterprises, not elsewhere classified.Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1985-86*.

## NO. 1365. PUERTO RICO—TRANSFERS BETWEEN FEDERAL AND STATE GOVERNMENTS AND OTHER NONRESIDENTS: 1971 TO 1986

[in million of dollars. For fiscal years ending June 30]

ITEM	1971	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Total receipts	400	1,229	2,224	2,362	2,574	2,787	3,157	3,221	3,402	3,540	3,786
Federal government	378	1,184	2,128	2,247	2,447	2,661	3,003	3,029	3,173	3,367	3,605
Transfers to individuals <sup>1</sup>	22	1,141	2,073	2,161	2,369	2,608	2,915	2,833	3,080	3,173	3,485
Veterans benefits	63	178	196	202	223	231	274	299	303	324	338
Medicare	24	41	78	82	118	137	183	184	189	220	288
Old age, disability, survivors	227	465	756	895	1,041	1,191	1,348	1,423	1,528	1,581	1,673
Nutritional assistance	(x)	386	879	821	812	880	898	775	785	780	781
Industry subsidies	19	31	39	47	59	48	56	56	55	61	63
Private institutions	4	12	16	19	21	25	29	34	28	39	38
U.S. State governments	6	19	20	14	13	16	15	15	16	17	15
Other nonresidents	15	25	76	100	114	90	140	183	213	188	146
Total payments	270	597	772	792	848	924	891	895	1,113	1,180	1,347
Federal government <sup>1</sup>	270	592	765	786	841	914	950	973	1,087	1,145	1,229
Old age, disability, survivors	199	384	409	517	649	689	700	708	784	848	870
Medicare	6	10	15	18	21	25	31	38	45	44	47
Unemployment insurance	40	79	103	119	129	148	165	167	175	175	241
Other nonresidents	(2)	5	6	7	7	9	10	13	15	16	16
Net balance	130	631	1,452	1,570	1,726	1,864	2,196	2,236	2,289	2,360	2,510

X Not applicable. Z Less than \$500,000. <sup>1</sup> Includes other receipts and payments, not shown separately.Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1985-86*.

No. 1366. PUERTO RICO—EMPLOYEES AND PAYROLL, BY INDUSTRY: 1960 TO 1966

includes employees of establishments totally exempt from the Federal Insurance Contributions Act: government workers, railroad employment jointly covered by Social Security and railroad retirement programs, self-employed persons, domestic service, agriculture production employees, and employees on oceanborne vessels or in foreign countries]

INDUSTRY	EMPLOYEES <sup>1</sup>				ANNUAL PAYROLL (mil. dol.)			
	1960	1963	1964	1966	1960	1963	1964	1966
Total <sup>2</sup>	436,876	406,006	434,442	442,029	3,741.8	4,244.3	4,514.1	4,880.8
Agricultural services, forestry, fisheries	532	447	480	506	5.7	4.2	5.3	4.1
Agricultural services	378	371	385	486	2.4	2.3	3.4	2.4
Mining	800	555	486	655	6.8	7.0	6.3	7.3
Nonmetallic minerals, except fuels	666	493	420	485	5.6	5.2	3.8	4.6
Contract construction <sup>3</sup>	36,467	21,044	23,672	23,706	261.5	166.3	214.2	214.7
General contractors and operative builders	21,806	11,965	13,678	13,667	159.0	104.3	120.4	123.2
Special trade contractors	9,679	6,580	7,072	6,776	74.5	56.4	65.7	64.8
Manufacturing <sup>4</sup>	154,621	136,853	144,430	141,360	1,401.7	1,566.3	1,713.0	1,792.4
Food and kindred products	19,357	16,525	17,656	19,811	179.4	166.5	212.7	234.8
Apparel and other textile products	35,843	29,486	31,936	27,516	215.2	224.6	222.2	208.2
Chemical and allied products	16,062	19,850	18,940	19,637	217.0	323.4	342.9	366.1
Machinery except electrical	6,766	9,529	9,912	8,205	72.9	126.1	135.7	121.0
Electric and electronic equipment	18,525	19,351	21,535	21,883	182.2	240.4	266.7	272.3
Transportation and other public utilities <sup>5</sup>	19,676	19,467	19,488	20,787	227.0	290.6	263.9	330.4
Trucking and warehousing	2,583	2,202	2,057	1,890	21.8	19.7	18.3	19.2
Transportation services	1,711	1,165	1,242	1,569	13.5	13.1	14.5	19.3
Wholesale trade <sup>6</sup>	26,764	27,486	26,014	26,346	331.2	367.6	392.8	395.8
Wholesale trade-durable goods	13,465	11,489	12,146	11,923	157.2	156.2	174.6	173.6
Wholesale trade-nondurable goods	15,013	15,525	15,348	15,957	169.3	201.7	207.1	212.6
Retail trade <sup>7</sup>	79,169	74,231	79,666	80,249	531.8	576.3	607.1	652.3
Food stores	16,367	15,617	15,639	16,180	96.4	102.1	103.2	110.6
Automotive dealers and service stations	9,187	6,630	7,482	7,598	68.2	60.9	65.5	75.2
Apparel and accessory stores	9,906	10,066	9,866	10,236	65.6	70.2	74.2	76.9
Eating and drinking places	11,034	11,565	14,682	13,428	64.5	84.1	87.7	94.6
Miscellaneous retail	9,146	11,151	11,060	11,052	58.0	62.1	62.0	66.4
Finance, insurance, and real estate <sup>8</sup>	25,135	26,759	26,152	26,066	250.2	342.3	373.4	379.3
Banking	8,017	9,754	11,062	9,474	61.5	137.3	151.2	124.1
Credit agencies other than banks	6,847	6,862	7,353	7,239	63.2	72.7	76.5	92.6
Real estate	3,755	3,093	3,340	4,433	25.7	28.2	29.7	36.6
Services <sup>9</sup>	79,573	83,093	86,763	86,553	601.8	718.8	740.1	821.7
Personal services	3,199	2,812	2,803	2,655	18.2	18.2	18.5	20.6
Business services	15,266	16,796	18,106	18,243	120.9	155.0	164.1	167.5
Auto repair, services, and garages	2,610	2,147	2,351	2,298	18.1	20.2	20.6	24.3
Health services	16,063	19,376	20,920	22,252	129.5	166.7	167.2	200.1
Legal services	2,326	2,705	2,677	2,711	27.3	29.7	28.5	32.3

Standard Industrial Classification (SIC) code; see text, section 13.

<sup>2</sup> For the pay period including March 12.

includes other nonclassifiable establishments, not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1367. PUERTO RICO—MANUFACTURES, BY INDUSTRY: 1977 AND 1982

(Money figures in millions of dollars. For employer establishments only)

INDUSTRY (based on 1972 Standard Industrial Classification System) <sup>1</sup>	1977			1982						
	Estab- lish- ments	All employ- ees <sup>2</sup>	Value added by manu- facture <sup>3</sup>	Estab- lish- ments	All employees		Production workers <sup>4</sup>		Value added by manu- facture <sup>5</sup>	Value of ship- ments <sup>6</sup>
					Num- ber <sup>7</sup>	Pay- roll	Num- ber <sup>7</sup>	Wages		
All industries	2,297	146,861	4,087.2	2,286	143,216	1,573.6	110,343	1,036.6	6,805.6	15,986.4
Food and kindred products ...	324	21,407	485.6	333	18,621	213.8	13,633	126.4	965.5	2,363.1
Food manufacturers	17	3,670	122.0	14	(b)	(b)	(b)	(b)	(b)	(b)
Grain mill products	63	6,001	108.9	29	2,840	21.8	2,347	17.1	66.5	103.3
Textile and other textile products	386	35,294	278.9	341	31,764	229.7	28,616	192.3	510.1	964.4
Apparel and wood products	53	823	9.1	62	603	4.6	230	1.8	9.0	24.0
Furniture and fixtures	124	2,383	26.1	122	2,195	16.6	1,410	9.6	49.8	96.5
Paper and allied products	36	1,459	21.7	41	1,469	15.3	1,084	8.2	46.5	120.7
Printing and publishing	161	4,037	68.9	154	2,861	39.7	1,597	16.4	109.0	173.9
Chemicals and allied products	181	15,732	1,476.5	183	17,225	267.4	11,553	157.0	3,713.9	5,267.1
Petroleum and coal products	19	2,462	143.4	16	(b)	(b)	(b)	(b)	(b)	(b)
Plastic and misc. plastic products	77	5,961	147.6	83	4,496	45.3	3,457	32.7	157.7	262.0
Leather and leather products	47	6,165	55.7	47	6,019	48.0	5,340	40.0	106.3	229.3
Stone, clay, and glass products	175	4,967	102.7	171	4,390	41.4	2,868	24.3	133.5	263.3
Primary metal industries	35	1,567	46.5	34	663	6.8	457	3.4	14.8	44.0
Fabricated metal products	199	4,654	84.2	162	3,553	42.1	2,445	27.4	115.7	268.8
Machinery, exc. electrical	57	4,071	161.2	68	6,722	87.3	5,094	56.1	542.2	975.0
Electric and electronic equipment	131	14,785	403.1	181	21,682	248.1	16,758	173.7	1,139.6	1,960.0
Transportation equipment	26	1,127	26.1	28	909	9.1	765	7.3	32.1	66.5
Instrumental and related products	69	6,769	257.3	69	10,865	130.1	6,574	89.4	616.4	925.6
Manufacturing industries	65	3,487	67.8	67	3,373	37.8	2,448	24.9	92.6	216.3

Withheld to avoid disclosure.

<sup>1</sup> See text, section 13.

<sup>2</sup> Average for year.

<sup>3</sup> See footnote 8, table 1241.

<sup>4</sup> For establishments with 10 or more employees. <sup>5</sup> Represents net selling value, f.o.b. plant. Excludes freight charges and excise taxes. <sup>6</sup> Includes extensive duplication arising from shipments between establishments in the same industry.

Source: U.S. Bureau of the Census, *Census of Outlying Areas, Manufactures, 1982, Puerto Rico*, series CAC82-4.

## No. 1366. PUERTO RICO—CONSTRUCTION SUMMARY: 1977 AND 1982

(Money figures in millions of dollars. Employer establishments only)

INDUSTRY (Based on 1972 Standard Industrial Classification System) <sup>1</sup>	1977			1982				
	Estab-lishment	Employ-ees <sup>2</sup>	Total re-ceipts <sup>3</sup>	Estab-lishment	Total re-ceipts <sup>3</sup>	Pay-roll entire year	Employ-ees <sup>2</sup>	Value added <sup>4</sup>
Construction <sup>5</sup>	1,882	26,164	931	1,284	1,180	224	23,226	■
General building contractors and operative builders	777	20,261	555	494	806	107	14,620	185
General contractors, residential buildings	578	9,847	(b)	319	(b)	(b)	7,285	(a)
Single-family houses	548	8,255	182	285	(b)	(b)	4,973	(b)
Operative builders	70	3,109	145	48	(b)	(b)	2,237	(b)
General contractors, nonresidential buildings	131	7,325	(b)	127	167	40	5,116	76
Heavy construction, general contractors	156	5,164	151	173	236	44	4,970	(b)
Special trade contractors <sup>6</sup>	705	9,515	202	768	334	72	9,534	154
Plumbing, heating, air-conditioning	132	1,351	39	125	70	■	1,704	28
Painting, paper hanging, decorating	52	585	(b)	42	(b)	(b)	586	(b)
Electrical work	134	2,163	51	162	82	21	2,443	43
Concrete work	45	922	19	63	36	7	1,200	14
Subdividers and developers, n.e.c. <sup>6</sup>	54	1,194	23	21	12	1	104	(b)

D Withheld to avoid disclosure. S Withheld because estimates did not meet publication standards on the basis of either response rate or a consistency review. <sup>1</sup> See text, section 13. <sup>2</sup> Average for year. <sup>3</sup> Total business receipts. <sup>4</sup> All business receipts less payments for materials, components, supplies, and fuels, and for construction work subcontracted to others. <sup>5</sup> Includes industries not shown separately. <sup>6</sup> N.e.c. means not elsewhere classified.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, 1977 and 1982 Construction Industries, Puerto Rico*, series OAC77-3 (revised), and OAC 82-3.

## No. 1369. PUERTO RICO—MERCHANDISE IMPORTS AND EXPORTS: 1970 TO 1986

(In millions of dollars)

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Imports	2,881	4,961	4,885	5,928	6,200	6,918	7,834	9,018	9,329	8,167	6,708	10,116	10,162	9,864			
From U.S.	2,070	2,945	3,029	3,677	3,552	4,391	4,786	5,345	5,801	5,300	5,182	5,738	6,130	6,130			
From other	811	2,016	1,856	2,251	2,649	2,527	3,048	3,673	3,528	2,867	3,548	4,378	4,032	3,734			
Exports	1,680	3,275	3,000	3,735	4,518	5,123	6,536	6,578	7,047	8,888	8,242	9,426	11,087	11,202			
To U.S.	1,563	2,671	2,633	3,298	4,008	4,498	5,720	5,643	6,024	7,624	6,936	8,074	9,873	9,872			
To other	117	404	367	437	507	624	816	933	1,023	1,264	■	1,352	1,214	1,330			

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States*, annual; *U.S. Trade with Puerto Rico and U.S. Possessions*, FT 800; and *Highlights of U.S. Export and Import Trade*, FT890.

## No. 1370. PUERTO RICO, GUAM, AND VIRGIN ISLANDS—GOVERNMENT SUMMARY: 1982

ITEM	Unit	PUERTO RICO		Guam	Virgin Islands
		Common-wealth	Municipio <sup>1</sup>		
Number of governments	Number	1	78	1	1
Gross assessed value <sup>2</sup>	Mill. dol.	7,705.8	7,705.8	711.4	2,165.5
Real property	Mill. dol.	5,118.8	5,118.8	711.4	2,165.5
Personal property	Mill. dol.	2,586.8	2,586.8	-	-
Employment, total	Number	185,000	37,500	10,327	12,885
Rate <sup>3</sup>	Number	579	117	874	1,345
Full-time employees	Number	(na)	(na)	9,589	12,657
Full-time equivalent	Number	(na)	(na)	9,730	12,758
October payrolls total	\$1,000	98,200	21,700	12,829	14,127
Average October earnings:					
Full-time employees	Dollars	(na)	(na)	1,317	1,105
Instructional employees	Dollars	(na)	(na)	1,531	1,410
Other	Dollars	(na)	(na)	1,277	1,048
Revenue, total	Mill. dol.	5,877.5	346.9	278.6	885.2
Per capita <sup>4</sup>	Dollar	1,839	109	2,625	6,889
Intergovernmental	Mill. dol.	1,184.1	58.0	81.0	320.8
Taxes	Mill. dol.	1,840.2	289.0	118.9	187.0
Utility	Mill. dol.	1,318.7	(na)	81.0	81.8
Other	Mill. dol.	1,436.6	-	37.7	85.8
Expenditure, total	Mill. dol.	5,886.6	305.1	450.6	888.6
Per capita <sup>4</sup>	Dollar	1,782	81	4,268	6,883
Current operations	Mill. dol.	1,813.4	279.9	373.1	831.3
Capital outlay	Mill. dol.	518.5	(na)	80.4	68.8
Other	Mill. dol.	3,363.7	25.2	27.2	88.4

- Represents zero. NA Not available. <sup>1</sup> Classified as county governments for census statistics on governments. <sup>2</sup> For 1981. <sup>3</sup> Per 10,000 population. <sup>4</sup> Based on enumerated population as of April 1, 1980.

Source: U.S. Bureau of the Census, *1982 Census of Governments*, Vol. 4, No. 2, *Puerto Rico, Virgin Islands, and Guam* (GC82(9)-2).

## No. 1371. PUERTO RICO, GUAM, AND VIRGIN ISLANDS—AGRICULTURE: 1978 AND 1982

(1 cuerda = .97 acre. Tons specified are short tons)

ITEM	1978	1982	ITEM	1978	1982	ITEM	AMOUNT HARVESTED <sup>1</sup>			SALES (\$1,000)	
							Unit	1978	1982	1978	1982
PUERTO RICO											
Percent—	18,982	21,820	Tenure of operator			Dairy products	(x)	(x)	(x)	131,485	152,128
Percent—			Percent—			Poultry <sup>2</sup>	(x)	(x)	(x)	26,950	45,945
Less than 10 acres	37.0	45.1	Full-owners	77.0	79.3	Coffee	1,000 cwt. <sup>3</sup>	178.8	243.8	26,387	39,302
10 to 19 acres	25.2	20.9	Part-owners	15.0	11.5	Cattle and calves	(x)	(x)	(x)	18,945	26,579
20 to 49 acres	20.6	18.0	Managers	2.2	1.8	Sugarcane	1,000 tons	2,925	1,462	39,530	26,883
50 to 99 acres	7.4	7.1	Tenants	5.8	7.4	Fruits/nuts	(x)	(x)	(x)	10,686	14,080
100 to 174 acres	4.1	3.9	Avg. cuerda size—			Grains and farinaceous crops	(x)	(x)	(x)	5,891	9,713
175 acres or more	5.7	5.0	Full-owners	33.8	31.1	Vegetables	(x)	(x)	(x)	2,338	9,547
Total in farms	979,603	982,457	Part-owners	101.6	89.3						
			Managers	182.0	122.8						
			Tenants	108.5	90.8						
GUAM											
Percent—	1,990	2,044	Tenure of operator			Chicken eggs	(x)	(x)	(x)	1,293.3	792.1
Percent—			Percent—			Cucumbers	1,000 lbs.	116.8	858.2	16.7	217.8
Less than 1 acre	(NA)	45.4	Full-owners	80.5	76.0	Fish	(x)	(x)	(x)	5.3	121.3
1 to 2 acres	(NA)	36.4	Permittees	4.7	11.8	Hogs and pigs	(x)	(x)	(x)	89.1	117.2
3 to 7 acres	(NA)	10.5	Tenants	5.8	6.8	Watermelons	1,000 lbs.	287.9	422.5	92.1	115.8
8 to 19 acres	(NA)	7.8	Part-owners	1.8	1.3	Green beans	1,000 lbs.	89.4	143.2	23.2	81.8
20 to 49 acres	(NA)		Nonpermittees	5.8	1.1	Tomatoes	1,000 lbs.	30.6	105.1	5.1	84.3
50 to 99 acres	(NA)		Others	1.7	1.2						
Total in farms	26,619	26,662									
VIRGIN ISLANDS											
Percent—	378	303	Tenure of operator			Milk	(x)	(x)	(x)	1,074.1	922.6
Percent—			Percent—			Cattle and calves	(x)	(x)	(x)	395.3	488.6
Less than 3 acres	24.1	24.8	Full-owners	78.0	80.2	Poultry <sup>2</sup>	(x)	(x)	(x)	211.7	315.8
4 to 9 acres	38.9	37.6	Part-owners	7.9	10.9	Hogs and pigs	(x)	(x)	(x)	31.5	130.0
10 to 19 acres	14.3	10.8	Tenants	7.4	7.8	Bananas	1,000 bunches	3.2	11.5	5.3	62.6
20 to 49 acres	22.8	27.1	Managers	6.6	1.0	Oranges	(x)	(x)	(x)	4.4	51.5
50 to 99 acres	24.397	20,824				Mangoes	1,000	111.5	209.6	18.8	48.5
100 to 174 acres											
175 acres or more											
Total in farms											

Not available. X Not applicable. <sup>1</sup> Includes amounts not sold. <sup>2</sup> Includes poultry products.  
 1=hundredweight (100 lbs.)

Source: U.S. Bureau of the Census, 1982 Census of Agriculture, vol. 1, parts 52, 53, and 54.

## 1372. GUAM, VIRGIN ISLANDS, AND NORTHERN MARIANA ISLANDS—ECONOMIC SUMMARY: 1982

(Sales and payroll in millions of dollars)

ITEM	Guam	Virgin Islands	No. Mariana Islands	ITEM	Guam	Virgin Islands	No. Mariana Islands
Establishments	1,377	2,588	486	Wholesale trade:			
\$ sales	(D)	(D)	134.9	Establishments	89	104	11
Annual payroll	115.6	228.5	18.8	Sales	164.9	197.4	28.5
Employees <sup>1</sup>	11,671	19,132	3,945	Annual payroll	12.8	18.7	1.4
Unpaid family workers <sup>2</sup>	507	511	289	Paid employees <sup>1</sup>	981	1,363	384
Establishments	61	150	42	Unpaid family workers <sup>2</sup>	12	14	1
\$ sales	60.2	142.0	22.2	Retail trade:			
Annual payroll	18.3	48.3	3.7	Establishments	802	1,191	258
Employees <sup>1</sup>	1,383	3,283	732	Sales	412.8	489.2	58.7
Unpaid family workers <sup>2</sup>	14	23	14	Annual payroll	48.6	57.9	7.4
Establishments	22	71	8	Paid employees <sup>1</sup>	5,400	6,980	1,480
\$ sales	(D)	(D)	2.1	Unpaid family workers <sup>2</sup>	401	357	189
Annual payroll	6.4	63.1	5	Services: <sup>3</sup> Establishments	403	1,072	147
Employees <sup>1</sup>	639	2,830	97	Sales	118.8	148.7	25.4
Unpaid family workers <sup>2</sup>	-	6	-	Annual payroll	31.5	42.6	6.9
				Paid employees <sup>1</sup>	3,488	4,678	1,282
				Unpaid family workers <sup>2</sup>	60	111	55

Represents zero. D Withheld to avoid disclosure of information pertaining to a specific organization.

<sup>1</sup> Pay period including March 12. <sup>2</sup> Includes those who worked 15 hours or more during the week including March 12.

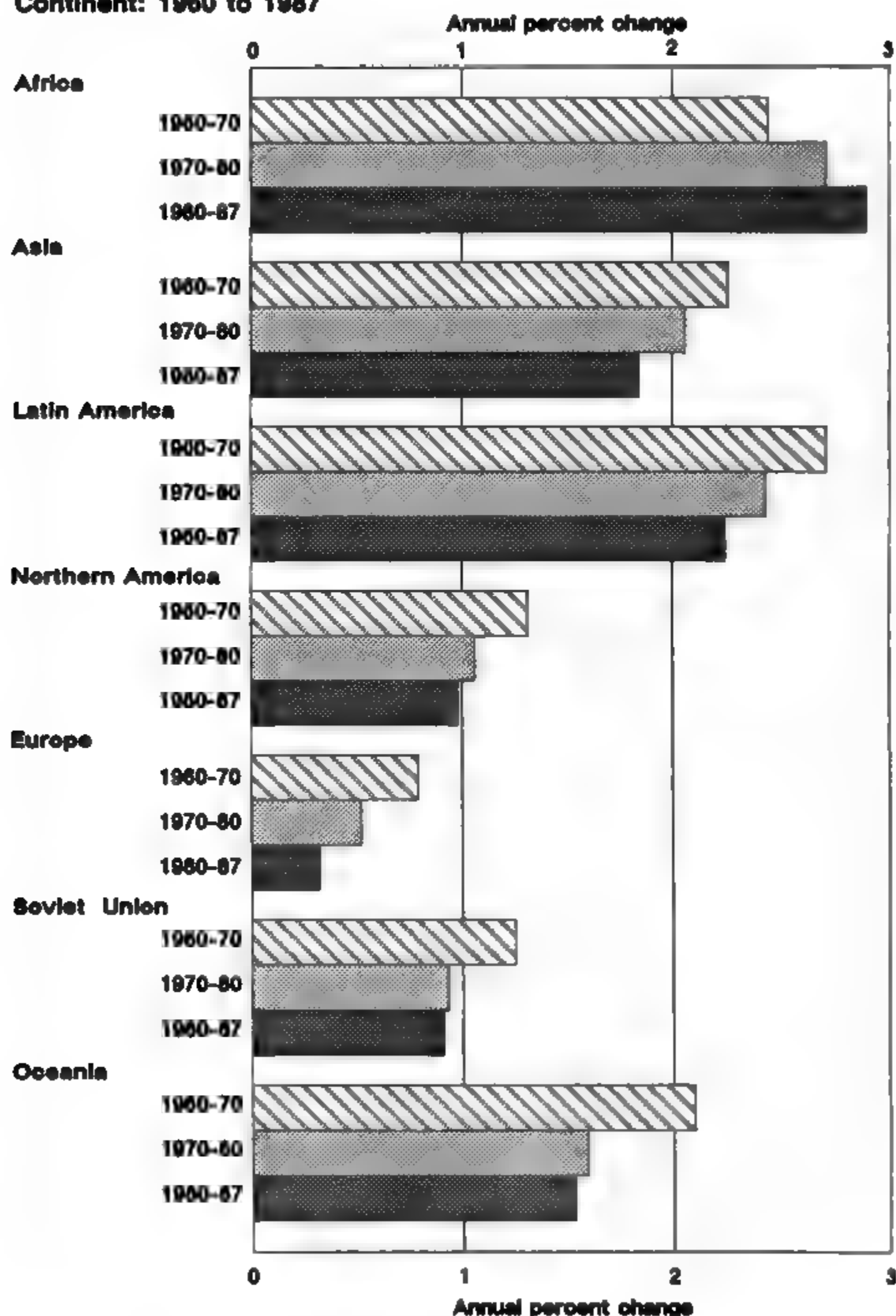
<sup>3</sup> Includes travel agencies, dental labs, and legal, engineering, architectural and surveying services.

Source: U.S. Bureau of the Census, 1982 Economic Census of Outlying Areas, OAC 82-6 to OAC 82-7



Figure 31.1

World Population-Annual Growth Rate, by  
Continent: 1960 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1375.



## Section 31

# Comparative International Statistics

Section 31 presents statistics for the world as a whole and for many countries on a comparative basis with the United States. Selected data are shown for area and population, births and deaths, and industrial indicators, finances, agriculture, communication, and military affairs.

Statistics of the individual nations may be found primarily in official national publications, generally in the form of yearbooks, issued by most of the nations at various intervals in their own national languages, expressed in their own or customary units of measure. (For a listing of selected publications, see Guide to Sources.) For handy reference, especially for international comparisons, the Statistical Office of the United Nations compiles data as submitted by member countries and issues series of international summary publications, generally in English and French. Among these are the *Statistical Yearbook*; the *Demographic Yearbook*; the *Yearbook of International Trade Statistics*; the *Yearbook of National Accounts Statistics: Vol. II, International Tables*; *Population and Vital Statistics Reports* (quarterly); the *Monthly Bulletin of Statistics*; and *Energy Statistics Yearbook*. Specialized agencies of the United Nations also issue international summary publications on agriculture, health, and education statistics. Among these are the *Production Yearbook* and *Trade Yearbook* issued by the Food and Agriculture Organization, the *Yearbook of Labor Statistics* issued by the International Labour Office, *World Health Statistics* issued by the World Health Organization, and the *Statistical Yearbook* issued by the Educational, Scientific, and Cultural Organization.

The Bureau of the Census, in *Country Demographic Profiles*, series ISP-30, presents data on individual countries for both a recent census year and the current period; and in the *World Population Series*, estimates of basic demographic measures for countries and regions of the world. The *Annual Population Statistics Reports*, series P-90 and P-91, issued by the Bureau of the Census, also present population figures for many foreign countries. More detailed population statistics are also available from the Bureau of the Census' computerized data system, the International Statistical Yearbook.

The U.S. Arms Control and Disarmament Agency and the International Monetary Fund (IMF) also publish data on international statistics. In its *World Military Expenditures and Arms Transfers*, published annually, the Arms Control and Disarmament Agency presents data on various economic indicators, as well as basic military data. Among the topics presented have been military expenditures, national product, imports and exports, and armed forces, by region and/or country. The IMF publishes a series of reports relating to financial data. These include *International Financial Statistics*, *Direction of Trade*, and *Balance of Payments Yearbook*, published in English, French, and Spanish.

**Statistical coverage, country names, and classifications.**—Problems of space and availability limit the number of countries and the extent of statistical coverage shown. The list of countries included is based almost entirely on a list of sovereign nations, dependencies, and areas of sovereignty published by the U.S. Department of State in *Status of the World's Nations*. Country names are shown here as specified in that publication. In the few cases where a lack of consistency exists between State Department and United Nations' terminology, the State Department preferences are used.

Countries and regions in tables 1375, 1376, 1378, and 1379 are classified as either "more developed" or "less developed," according to a regional classification system used by the Census Bureau in its *World Population: 1983*. The system is based on the assumption that, within regions, such factors as industrial development, literacy rate, gross reproduction rate, per capita income, etc., are somewhat constant. "More developed" countries comprise Japan, Australia, New Zealand, the Soviet Union, and those countries in Northern America and Europe. All others are "less developed".

**Economic associations.**—The Organization for European Economic Co-operation (OEEC), a regrouping of Western European countries established in 1948 for the purpose of harmonizing

national economic policies and conditions, was succeeded on September 30, 1961, by the Organization for Economic Cooperation and Development (OECD). The member nations of the OECD are Australia, Austria, Belgium, Canada, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, the United States, and West Germany, plus Yugoslavia in special status category.

**Quality and comparability of the data.**—The quality and comparability of the data presented here are affected by a number of factors:

(1) The year for which data are presented may not be the same for all subjects for a particular country, or for a given subject for different countries, though the data shown are the most recent available. All such variations have been noted. The data shown are for calendar years except as otherwise specified.

(2) The bases, methods of estimating, methods of data collection, extent of coverage, precision of definition, scope of territory, and margins of error may vary for different items within a particular country, and for like items for different countries. Footnotes and headnotes to the tables give a few of the major time-period and coverage qualifications attached to the figures; considerably more detail is presented in the source publications. Many of the measures shown are, at best, merely rough indicators of magnitude.

(3) Figures shown in this section for the United States may not always agree with figures shown in the preceding sections. Disagreements may be attributable to the use of differing original sources, a difference in the definition of geographic limits (the 50 States, conterminous United States only, or the United States including certain outlying areas and possessions), or to possible adjustments made in the United States figures by the United Nations or other sources in order to make them more comparable with figures from other countries.

**International comparisons of national accounts data.**—In order to compare national accounts data for different countries, it is necessary to convert each country's data into a common unit of currency, usually the U.S. dollar. The market exchange rates which are often used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. For example, using table 1388, it should not be concluded that the United Kingdom's individual standard of living in 1986 was only 56 percent of that of the U.S., as the statistics may imply. It is obviously necessary that the goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (see table 1389) instead of exchange rates is intended to achieve this objective.

The method used to present the data shown in table 1389 is to construct volume measures directly by revaluing the goods and services sold in different countries at a common set of international prices. By dividing the ratio of the gross domestic products of two countries expressed in their own national currencies by the corresponding ratio calculated at constant international prices, it is possible to derive the implied purchasing power parity (PPP) between the two currencies concerned. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further information, see *National Accounts, Main Aggregates*, volume I, issued annually by the Organization for Economic Cooperation and Development, Paris, France.

## No. 1373. WORLD SUMMARY: 1970 TO 1986

[See text, section 51, for general comments concerning quality of the data]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Population	Millions	3,578	4,033	4,378	4,453	4,536	4,607	4,684	4,760	4,837	4,917
Agriculture, forestry, and fishing:											
Hay	Mil. metric tons	126	140	158	160	152	164	162	172	176	180
Rice	Mil. metric tons	3.9	4.7	4.8	4.8	6.0	5.1	5.7	5.2	5.9	5.2
Wheat	Mil. metric tons	278	348	419	386	450	450	348	453	486	481
Soy (lint)	Mil. metric tons	11.8	12.3	13.9	13.9	15.3	14.8	14.3	18.3	17.2	15.0
Soy (oil)	Mil. metric tons	(NA)	(NA)	130	134	136	137	142	145	150	155
Soy (groundnuts)	Mil. metric tons	18.5	19.7	18.0	17.1	20.5	18.1	19.0	20.1	21.3	21.5
Cotton	Mil. metric tons	256	259	320	284	289	288	286	312	300	309
Wool	Mil. metric tons	316	358	377	399	412	424	452	470	475	478
Sisal	Mil. metric tons	4.7	5.4	5.4	5.3	6.0	6.9	6.0	6.6	7.0	6.1
Rubber	Mil. metric tons	318	380	429	446	456	483	494	516	508	536
Oil, grassy	Mil. metric tons	(NA)	(NA)	2.7	2.8	2.8	2.8	2.9	2.9	3.0	3.0
Underwood	Mil. cubic meters	2,814	2,596	2,998	2,842	2,945	2,941	3,063	3,127	3,166	(NA)
Fish catches	Mil. metric tons	68.0	68.7	71.5	72.0	74.8	76.8	76.8	82.8	(NA)	(NA)
Wool production:											
Wool	Mil. metric tons	(NA)	(NA)	37.6	35.4	31.8	37.3	35.0	32.4	30.8	(NA)
Wool	Mil. metric tons	72.9	81.5	88.5	84.0	82.8	102.2	97.8	100.6	121.5	122.6
Wool	Mil. metric tons	121.2	125.2	133.8	137.2	139.7	139.7	140.1	141.7	141.0	(NA)
Wool	Mil. metric tons	2,143	2,384	2,686	2,728	2,828	2,828	2,832	2,942	3,178	(NA)
Wool and brown coal	Mil. metric tons	793	863	985	1,006	1,034	1,089	1,091	1,162	1,232	1,188
Wool petroleum	BR. bbl.	15.7	19.3	22.8	21.8	20.4	19.4	19.3	19.7	19.3	(NA)
Wool gas (dry)	Trl. cu. ft.	31.5	44.1	51.7	53.3	54.7	54.2	54.5	58.3	61.1	(NA)
Wool electricity	Bil. kWh	4,862	5,527	7,099	8,247	8,384	8,476	8,624	9,306	9,875	9,472
Wool iron	Mil. metric tons	421	523	736	743	900	816	781	732	731	740
Wool iron and ferroalloys	Mil. metric tons	440	489	540	531	519	472	475	481	483	484
Wool 1,000 metric tons	1,000 metric tons	164	178	233	227	229	214	204	202	208	212
Wool steel	Mil. metric tons	684	644	739	704	696	629	642	653	666	682
Wool metal	Mil. metric tons	(NA)	(NA)	859	867	888	886	888	889	908	910
Wool non-cellulosic fibers	Mil. metric tons	4.9	7.4	10.8	10.5	10.8	10.1	11.1	11.9	12.5	11.4
Wool sawwood	Mil. cubic meters	413	402	451	436	419	421	453	481	486	(NA)
Wool scrap	Mil. metric tons	97.2	97.9	118.7	121.1	120.8	115.3	123.9	131.1	(NA)	(NA)
Wool asphalt	Mil. metric tons	21.9	21.0	25.3	26.1	27.3	25.8	28.9	28.9	(NA)	(NA)
Wool coherent vessels, launched	Mil. gross tons	21.7	35.9	11.8	13.9	17.1	17.3	14.9	17.7	17.2	(NA)
Wool for vehicles	Millions	29.3	33.0	41.6	38.9	37.5	36.4	38.9	41.8	(NA)	(NA)
Wool trade:											
Wool exports, c.i.f.	Bil. U.S. dollars	329	902	1,089	2,067	2,322	1,906	1,879	1,980	2,043	2,229
Wool imports, f.o.b.	Bil. U.S. dollars	314	874	1,043	1,895	2,215	1,831	1,808	1,902	1,932	2,117
Wool transport:											
Wool heavy freight	Bil. metric ton-km.	5,027	6,015	6,802	6,754	6,810	6,636	6,666	7,136	7,266	(NA)
Wool heavy shipping, freight	Mil. metric tons	(NA)	(NA)	3,825	3,678	3,566	3,298	3,287	3,440	(NA)	(NA)
Wool air aviation, kilometers flown	Millions	4,363	4,670	9,150	9,440	9,080	9,010	9,320	9,950	10,420	(NA)

Not available. <sup>1</sup> Source: U.S. Energy Information Administration, *International Energy Annual and Monthly Energy Review*. <sup>2</sup> Excludes China: Mainland. Tin and merchant vessels exclude Soviet Union. For other exclusions, see source. <sup>3</sup> Right loaded. <sup>4</sup> Scheduled services of members of International Civil Aviation Organization. Excludes Soviet Union. <sup>5</sup> Except as noted, Statistical Office of the United Nations, New York, NY, *Monthly Bulletin of Statistics*. (Copyright.)

## No. 1374. WORLD POPULATION, 1970 TO 1987, AND AREA, 1987, BY SIZE OF COUNTRY

[Covers only countries listed in table 1373. See headnote, table 1373]

POPULATION CLASS IN 1987	POPULATION				1987					
	1970		1983		Countries		Population		Area	
	Total (mil.)	Per-cent of total	Total (mil.)	Per-cent of total	Total number	Per-cent of total	Total (mil.)	Per-cent of total	Total (1,000 sq. mil.)	Per-cent of total
World	3,721	100.0	4,478	100.0	200	100.0	5,055	100.0	52,448	100.0
Under 1 million	12	.3	14	.3	74	36.9	118	.3	1,389	2.4
1 million to 4 million	77	2.1	88	2.2	40	19.4	118	2.2	4,708	8.9
4 million to 10 million	167	4.2	187	4.2	29	14.1	219	4.3	3,693	6.9
10 million to 25 million	373	10.0	480	10.3	32	15.5	524	10.6	9,778	18.6
25 million to 50 million	287	7.2	318	7.1	10	4.9	359	7.1	7,821	14.9
50 million and over	2,836	76.2	3,401	76.0	21	10.2	3,819	75.5	25,224	48.1

Source: Compiled from data in U.S. Bureau of the Census, *World Population Profile, 1987*, forthcoming, and unpublished data.

## No. 1375. WORLD POPULATION AND GROWTH, BY CONTINENT AND REGION: 1965 TO 1987

[For explanation of "more developed" and "less developed" categories, see text, section 31]

CONTINENT AND REGION	MIDYEAR POPULATION (millions)						ANNUAL RATE OF GROWTH <sup>1</sup> (percent)				
	1965	1970	1975	1980	1985	1987	1970	1970- 1975	1975- 1980	1980- 1985	1985- 1987
World total	3,359	3,721	4,104	4,478	4,882	5,055	2.0	2.0	1.7	1.7	1.7
More developed regions	1,002	1,049	1,098	1,137	1,178	1,190	.9	.9	.7	.7	.6
Less developed regions	2,357	2,672	3,006	3,339	3,705	3,864	2.5	2.4	2.1	2.1	2.1
Percent of world	70	72	73	75	76	76	(x)	(x)	(x)	(x)	(x)
Africa <sup>2</sup>	331	376	428	493	568	604	2.5	2.6	2.6	2.9	2.9
Asia	1,671	2,111	2,383	2,594	2,844	2,950	2.4	2.3	1.9	1.8	1.8
More developed regions	69	104	112	117	121	122	1.1	1.3	.9	.7	.5
Less developed regions	1,772	2,007	2,251	2,477	2,723	2,828	2.5	2.3	1.9	1.9	1.9
East Asia <sup>3</sup>	673	991	1,103	1,181	1,255	1,287	2.5	2.1	1.4	1.2	1.3
South Asia <sup>3</sup>	908	1,120	1,280	1,412	1,586	1,663	2.3	2.4	2.3	2.3	2.3
Latin America <sup>2</sup>	250	286	324	365	409	427	2.7	2.5	2.4	2.3	2.2
Middle America <sup>2,4</sup>	80	70	81	93	104	109	3.1	3.0	2.7	2.3	2.2
Caribbean <sup>2,4</sup>	23	25	27	29	32	33	1.9	1.8	1.5	1.5	1.5
South America <sup>2,4</sup>	168	191	216	242	272	285	2.8	2.4	2.3	2.3	2.3
Northern America <sup>2,4</sup>	214	226	239	252	265	270	1.1	1.1	1.1	1.0	.9
Europe <sup>4</sup>	444	460	474	484	492	495	.7	.6	.4	.3	.3
Soviet Union <sup>4</sup>	231	243	255	266	279	284	1.0	1.0	.9	.9	.9
Oceania	17	19	21	23	24	25	2.1	1.9	1.3	1.6	1.4
Australia and New Zealand <sup>4</sup>	14	15	17	18	19	19	1.9	1.7	1.0	1.3	1.2
Less developed regions	3	4	4	5	5	6	2.7	2.5	2.4	2.4	2.4

X Not applicable. <sup>1</sup> Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. <sup>2</sup> Less developed region. <sup>3</sup> For component countries, see table 1376. <sup>4</sup> More developed region.

Source: U.S. Bureau of the Census, unpublished data.

## No. 1376. WORLD POPULATION CHARACTERISTICS, 1975 TO 1987, AND PROJECTIONS TO 2010

[See headnote, table 1377. For explanation of "more developed" and "less developed" categories, see text, section 31]

ITEM	Unit	1975	1980	1985	1987	1990	1995	2000	2005	2010
World total	Millions	4,104	4,478	4,882	5,055	5,320	5,774	6,241	6,719	7,192
Population per sq. mi.	Number	76	85	93	98	101	110	119	128	137
Males	Millions	2,080	2,250	2,457	2,545	2,679	2,909	3,144	3,380	3,621
Females	Millions	2,044	2,227	2,425	2,510	2,641	2,865	3,097	3,339	3,571
Under 5 years old	Percent	13.6	12.4	12.1	11.9	11.8	11.3	10.8	10.3	10.0
5 to 14 years old	Percent	23.5	23.0	21.6	21.1	20.6	20.4	20.0	19.3	18.8
15 to 64 years old	Percent	57.5	58.9	60.7	61.2	61.7	62.0	62.6	63.4	64.2
65 years old and over	Percent	5.4	5.7	5.7	5.8	6.0	6.3	6.7	7.0	7.2
Median age	Years	21.6	22.3	23.2	23.5	24.2	25.2	26.2	27.0	27.8
More developed regions	Millions	1,096	1,137	1,176	1,190	1,211	1,242	1,269	1,293	1,313
Less developed regions	Millions	3,008	3,339	3,705	3,864	4,109	4,533	4,971	5,416	5,879

Source: U.S. Bureau of the Census, unpublished data.

## No. 1377. WORLD VITAL STATISTICS AND LIFE EXPECTANCY, 1965 TO 1985, AND PROJECTIONS, 1985 TO 2005

[Source of data presents 3 variants or series of projections: Medium, high, and low. Figures shown here are for the medium variant. Data shown are annual averages]

ITEM	Unit	1965-1970	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	1995-2000	2000-2005
World growth rate	Percent	2.0	2.0	1.9	1.7	1.6	1.6	1.5	1.4
Crude birth rate <sup>1</sup>	Per 1,000 population	33.9	31.6	29.4	27.1	26.0	25.0	23.9	22.3
Crude death rate <sup>1</sup>	Per 1,000 population	13.3	12.2	11.2	10.5	9.9	9.3	8.6	8.5
Total fertility rate <sup>2</sup>	Number	4.9	4.4	3.8	3.5	3.3	3.1	3.0	2.8
Life expectancy at birth, both sexes	Years	54.8	58.6	58.0	59.5	61.1	62.6	64.1	65.4
Male	Years	53.7	55.5	56.8	58.2	59.7	61.1	62.4	63.8
Female	Years	55.9	57.7	59.2	60.9	62.6	64.3	65.8	67.2

<sup>1</sup> See headnote, table 1380. <sup>2</sup> Total fertility rate: Average number of children that would be born per woman if all women lived to the end of their childbearing years and, at each year of age, they experienced the birth rates occurring in the specified year.

Source: Population Division of the United Nations, New York, NY, *World Population Prospects as Assessed in 1984, 1988*.

## No. 1378. POPULATION AND AREA, BY REGION AND COUNTRY

is generally are de facto figures for the present territory. Population estimates were derived from information of mid-1967. See table 1379 for country components of regions. See text, section 31, for general comments on the data. For details of methodology, coverage, and reliability see sources. Minus sign ( - ) indicates decrease.

TRY	Develop- ment status of country <sup>1</sup>	LATEST POPULATION CENSUS <sup>2</sup>		MIDYEAR POPULATION ESTIMATES					Popu- lation per sq. mile, 1967	Area <sup>4</sup> (sq. mile)
				Number (1,000)			Avg. annual percent change <sup>3</sup>			
		Year	Number (1,000)	1970	1980	1987	1970- 1980	1980- 1987		
<b>Africa</b>	(X)	(X)	(X)	3,721,311	4,476,465	5,064,796	1.8	1.7	96	52,448,290
Algeria	(X)	(X)	(X)	375,984	492,952	603,697	2.7	2.9	52	11,692,673
Angola	(X)	(X)	(X)	226,483	251,941	269,806	1.1	1.0	32	8,306,538
Benin	(X)	(X)	(X)	285,722	364,656	426,883	2.4	2.3	54	7,930,816
Burkina Faso	(X)	(X)	(X)	69,744	92,905	109,131	2.9	2.3	113	963,397
Burundi	(X)	(X)	(X)	24,983	29,432	32,847	1.6	1.5	353	92,376
Cameroon	(X)	(X)	(X)	190,994	242,318	286,105	2.4	2.3	41	6,875,043
Cape Verde	(X)	(X)	(X)	990,935	1,181,034	1,287,490	1.6	1.2	263	4,550,909
Cote d'Ivoire	(X)	(X)	(X)	1,120,119	1,412,485	1,662,529	2.3	2.3	270	6,146,724
Egypt	(X)	(X)	(X)	480,017	484,365	495,215	.5	.3	263	1,861,670
Ethiopia	(X)	(X)	(X)	242,786	296,410	264,008	.9	.9	33	6,649,496
Gambia	(X)	(X)	(X)	19,286	22,613	25,189	1.6	1.5	6	3,267,265
<b>Asia</b>										
Maldives	MDC	1980	227,061	206,052	227,757	243,630	1.1	1.0	87	3,618,769
Myanmar	LDC	A 1979	15,551	12,431	14,985	14,184	1.9	-.8	57	249,999
Nepal	MDC	1979	2,591	2,136	2,671	3,086	2.2	2.1	278	11,100
Philippines	LDC	1977	16,280	13,932	16,850	23,461	3.0	3.1	26	919,467
Sri Lanka	MDC	1954	6	20	34	46	5.4	5.1	267	160
Taiwan	LDC	1970	5,646	5,806	6,796	7,960	1.9	2.2	17	461,351
Thailand	LDC	1970	66	66	69	69	.4	.2	641	106
Turkey	LDC	1960	27,947	23,962	26,237	31,145	1.6	1.4	29	1,066,297
Yemen	LDC	1961	60	59	60	62	.2	.4	626	75
Yugoslavia	MDC	1961	14,576	12,680	14,616	16,069	1.4	1.4	5	2,967,894
<b>Europe</b>	MDC	1961	7,555	7,467	7,549	7,569	.1	(.2)	234	32,369
Albania	LDC	1980	210	170	211	239	2.1	1.8	44	5,380
Belarus	LDC	1961	351	220	348	464	4.6	4.1	1,778	261
Bulgaria	LDC	1961	67,120	67,403	68,077	107,086	2.7	2.6	1,926	55,596
Czechoslovakia	LDC	1960	249	239	252	324	.5	3.6	1,951	166
East Germany	MDC	1961	9,849	9,636	9,847	9,873	.2	(.2)	837	11,792
Finland	LDC	1960	145	122	147	168	1.9	1.9	19	6,666
France	LDC	1979	3,331	2,611	3,435	4,336	2.7	3.3	100	43,483
Germany	LDC	1969	1,035	1,045	1,261	1,473	2.0	2.0	62	16,000
Greece	LDC	1976	4,613	4,265	5,395	6,310	2.4	2.2	15	424,162
Italy	LDC	1961	941	564	903	1,149	4.4	3.4	5	231,804
Poland	LDC	1960	119,003	95,664	123,180	147,095	2.5	2.5	45	3,266,524
Romania	LDC	1961	193	126	165	250	3.7	4.3	112	2,235
Soviet Union	MDC	1965	8,948	8,490	8,644	8,861	.4	.2	209	42,823
Spain	LDC	1965	7,978	5,910	7,066	8,276	1.6	2.2	66	92,741
Sweden	LDC	1963	35,314	27,386	33,533	36,622	2.0	2.1	149	261,217
Switzerland	LDC	1979	3,984	3,513	4,120	5,006	1.6	2.8	466	10,747
United Kingdom	LDC	1962	5,729	7,080	5,862	6,536	2.2	2.0	94	69,896
West Germany	LDC	1976	7,132	6,727	6,576	10,255	2.4	2.6	56	163,567
Yugoslavia	MDC	1961	24,343	21,324	24,070	25,858	1.2	1.0	7	3,848,656
<b>Latin America and the Caribbean</b>	LDC	1960	296	269	296	344	1.0	2.2	221	1,560
Argentina	LDC	1975	2,055	1,827	2,269	2,669	2.2	2.3	11	240,534
Brazil	LDC	S 1964	3,254	3,557	4,016	4,646	1.2	2.1	9	495,998
Chile	LDC	1962	11,275	9,369	11,094	12,446	1.7	1.6	43	292,257
<b>North America</b>	LDC	1962	1,006,152	820,403	963,379	1,074,019	1.8	1.3	290	3,706,390
Canada	LDC	1960	17,969	14,596	17,766	19,766	2.0	1.5	1,567	12,456
USA	LDC	1965	27,867	21,430	26,516	30,661	2.1	2.1	70	439,735
<b>Oceania</b>	LDC	1960	335	236	334	415	3.4	3.1	495	838
Australia	LDC	1964	1,912	1,183	1,620	2,062	3.1	3.6	16	132,046
Guam	LDC	1964	2,417	1,736	2,307	2,812	2.6	2.6	144	19,575
Marshall Islands	LDC	1961	9,724	8,543	9,853	10,259	1.2	.9	232	44,197
Micronesia	LDC	1962	643	615	627	684	.2	1.2	181	3,572
Northern Mariana Islands	MDC	1960	15,263	14,319	15,255	15,582	.6	.3	316	49,371
Papua New Guinea	MDC	1961	5,124	4,929	5,123	5,122	.4	(-.2)	306	16,632
Samoa	LDC	1979	260	158	279	312	5.7	1.6	37	8,494
Tonga	LDC	1960	74	71	75	94	.6	3.2	324	291
<b>South America</b>	LDC	1961	5,648	4,373	5,626	6,961	2.9	2.5	370	18,616
Bolivia	MDC	1961	16,706	17,070	16,737	16,610	.2	.1	366	41,766
Colombia	LDC	1962	8,051	6,051	6,123	9,955	2.9	2.9	91	109,483
Ecuador	LDC	1976	36,626	33,574	42,239	51,930	2.3	3.0	134	366,660
Paraguay	LDC	1971	3,555	3,563	4,660	5,260	2.7	1.7	648	8,124
Peru	LDC	1963	300	272	262	340	.4	3.8	31	10,630
Venezuela	LDC	1964	42,019	31,076	38,563	46,708	2.2	2.7	89	471,776
<b>Western Europe</b>	LDC	1976	566	521	631	725	1.9	2.0	102	7,095
Algeria	MDC	1960	4,785	4,806	4,780	4,935	.4	.5	38	130,159
France	MDC	1962	54,335	50,787	53,870	55,596	.6	.5	263	211,207
Germany	LDC	1960	800	514	806	1,044	4.5	3.7	10	103,346
Italy	LDC	1963	666	502	644	760	2.5	2.4	174	4,361
Spain	LDC	1964	12,206	8,789	10,842	13,949	2.1	3.6	151	92,100
United Kingdom	MDC	1961	9,740	6,793	8,643	9,968	.9	.5	196	50,944
France	LDC	1961	69	95	90	85	.6	-.9	637	133
Germany	LDC	1961	6,044	5,262	7,132	8,622	3.0	2.7	205	42,000
Italy	LDC	1963	5,761	4,564	6,464	6,736	1.8	2.9	71	94,964

© at end of table.



## NO. 1378. POPULATION AND AREA, BY REGION AND COUNTRY—Continued

[See headnote, p. 795]

COUNTRY	Develop- ment status of country <sup>1</sup>	LATEST POPULATION CENSUS <sup>2</sup>		MIDYEAR POPULATION ESTIMATES					Popu- lation per sq. mile, 1987	Area <sup>3</sup> (sq. mile)
		Year	Number (1,000)	Number (1,000)			Avg. annual percent change <sup>4</sup>			
				1970	1980	1987	1970- 1980	1980- 1987		
Guinea-Bissau	LDC	1979	768	620	769	928	2.4	2.3	66	14,000
Guyana	LDC	1980	759	715	759	766	.6	1	9	63,000
Haiti	LDC	1982	5,054	4,805	5,473	6,187	1.7	1.8	577	10,714
Honduras	LDC	1974	2,657	2,663	3,778	4,815	3.4	3.5	111	43,277
Hungary	MDC	1980	10,709	10,337	10,711	10,809	4	-1	286	35,619
Iceland	MDC	1984	240	204	228	245	1.1	1.0	6	30,708
India <sup>5</sup>	LDC	1981	685,185	565,043	688,894	600,326	2.2	2.1	631	1,268,338
Indonesia	LDC	1980	147,490	122,671	154,936	180,368	2.3	2.2	230	782,859
Iran	LDC	1976	33,709	28,933	39,187	50,256	3.0	3.6	79	636,293
Iraq	LDC	1977	12,000	9,414	13,201	18,971	3.4	3.6	101	167,924
Ireland	MDC	1986	3,537	2,855	3,407	3,535	1.4	.5	130	27,138
Israel	LDC	1983	3,899	2,803	3,737	4,222	2.5	1.7	528	6,000
Italy	MDC	1981	56,557	53,681	56,451	57,351	.5	.2	483	118,302
Ivory Coast	LDC	1975	6,714	5,427	6,235	10,767	4.2	3.8	86	124,503
Jamaica	LDC	1982	2,190	1,944	2,229	2,431	1.4	1.2	573	4,244
Japan	MDC	1985	121,047	104,345	116,807	122,032	1.1	.6	849	143,760
Jordan	LDC	1979	2,100	1,503	2,152	2,750	3.6	3.5	79	35,000
Kenya	LDC	1979	15,327	11,272	16,710	22,378	3.9	4.2	99	224,980
Kiribati	LDC	1985	84	49	58	66	1.7	1.9	239	278
Kuwait	LDC	1985	1,695	748	1,370	1,864	6.1	4.4	271	6,880
Laos	LDC	1985	3,585	2,830	3,292	3,786	1.5	1.9	41	91,430
Lebanon	LDC	1970	2,126	2,383	3,266	3,321	3.2	.2	830	4,000
Lesotho	LDC	1976	1,217	1,067	1,348	1,622	2.3	2.6	138	11,761
Liberia	LDC	1984	2,102	1,397	1,899	2,384	3.1	3.3	55	43,000
Libya	LDC	1984	3,637	1,956	3,028	3,835	4.4	3.4	6	679,359
Liechtenstein	MDC	1980	25	21	25	27	1.7	1.1	437	62
Luxembourg	MDC	1981	365	339	364	366	.7	.1	367	968
Madagascar	LDC	1975	7,804	6,786	8,899	10,731	2.5	3.0	47	228,919
Malawi	LDC	1977	5,547	4,448	6,006	7,438	3.0	3.1	163	45,747
Malaysia	LDC	1980	13,136	10,910	13,784	16,089	2.3	2.2	125	128,400
Maldives	LDC	1977	143	115	164	196	3.0	3.4	1,703	115
Mali	LDC	1976	6,395	5,525	6,985	8,423	2.3	2.7	18	478,764
Malta	MDC	1967	316	326	364	367	1.1	.1	3,033	121
Mauritania	LDC	1977	1,407	1,227	1,535	1,863	2.2	2.8	6	397,954
Mauritius	LDC	1983	1,000	830	984	1,080	1.5	1.6	1,499	720
Mexico	LDC	1980	68,847	62,775	70,111	81,858	2.8	2.2	107	781,601
Monaco	MDC	1982	27	24	27	29	1.1	1.1	28,641	1
Mongolia	LDC	1979	1,585	1,248	1,662	2,011	2.9	2.7	3	604,100
Morocco	LDC	1982	20,369	15,909	20,545	24,361	2.8	2.4	141	172,413
Mozambique	LDC	1980	11,674	9,304	12,103	14,536	2.6	2.6	48	302,328
Nauru	LDC	1977	7	7	8	9	1.4	1.8	1,094	8
Nepal	LDC	1981	15,023	11,919	14,988	17,814	2.3	2.5	328	54,368
Netherlands	MDC	1971	13,080	13,032	14,144	14,642	.8	.5	928	15,770
New Zealand	MDC	1986	3,308	2,611	3,113	3,314	1.0	.9	32	103,736
Nicaragua	LDC	1971	1,878	2,063	2,793	3,319	3.1	2.5	66	50,193
Niger	LDC	1977	5,098	4,100	5,563	6,989	3.1	3.3	14	486,188
Nigeria	LDC	1983	55,870	66,849	90,035	108,620	3.0	2.7	305	356,867
North Korea	LDC	(X)	(NA)	13,892	17,892	21,448	2.5	2.6	459	46,788
Norway	MDC	1980	4,091	3,877	4,086	4,179	.5	.3	33	125,161
Oman	LDC	(X)	(NA)	654	984	1,227	4.1	3.2	15	82,000
Pakistan <sup>6</sup>	LDC	1981	84,253	65,706	85,219	104,801	2.6	2.9	337	310,408
Panama	LDC	1980	1,825	1,531	1,968	2,275	2.5	2.2	76	29,781
Papua New Guinea	LDC	1980	3,011	2,269	2,991	3,564	2.7	2.5	20	178,259
Paraguay	LDC	1982	3,035	2,477	3,379	4,252	3.1	3.3	27	157,046
Peru	LDC	1981	17,005	13,193	17,295	20,739	2.7	2.6	42	496,222
Philippines	LDC	1980	48,086	38,680	50,866	61,525	2.7	2.7	530	116,000
Poland	MDC	1978	35,061	32,526	35,578	37,727	.9	.8	313	120,700
Portugal	MDC	1981	9,833	9,044	9,776	10,315	.8	.8	290	35,559
Qatar	LDC	1970	111	113	231	316	7.1	4.5	74	4,247
Romania	MDC	1977	21,560	20,253	22,201	22,937	.9	.5	250	91,888
Rwanda	LDC	1978	4,832	3,677	5,281	6,811	3.1	3.6	670	10,188
Saint Christopher and Nevis	LDC	1980	43	46	44	55	-.4	3.1	542	101
Saint Lucia	LDC	1980	113	103	115	152	1.2	4.0	837	299
Saint Vincent and The Grenadines	LDC	1980	96	86	96	106	1.1	1.2	707	186
San Marino	MDC	1978	19	19	21	23	1.1	.9	950	24
Sao Tome and Principe	LDC	1981	97	74	94	114	2.4	2.7	307	372
Saudi Arabia	LDC	1974	7,013	6,109	10,150	14,799	5.1	6.4	18	829,986
Senegal	LDC	1978	5,060	4,318	5,736	7,084	2.8	3.0	93	75,780
Seychelles	LDC	1977	82	53	83	89	1.7	1.0	625	108
Sierra Leone	LDC	1985	3,516	2,789	3,316	3,868	1.7	2.2	140	27,898
Singapore	LDC	1980	2,414	2,075	2,414	2,616	1.5	1.1	10,947	239
Solomon Islands	LDC	1978	197	163	233	301	3.6	3.7	26	11,900
Somalia	LDC	1975	3,938	3,667	5,110	7,742	5.1	3.4	31	248,208
South Africa	LDC	1980	27,942	22,549	29,136	34,313	2.6	2.3	73	471,449
South Korea	LDC	1985	41,056	32,241	38,124	42,189	1.7	1.5	1,110	36,031
Soviet Union	MDC	1979	262,436	242,796	266,410	284,008	.9	.9	33	8,648,496
Spain	MDC	1981	37,882	35,678	37,488	38,001	1.0	.6	290	184,986
Sri Lanka	LDC	1981	14,850	12,532	14,800	16,407	1.7	1.4	848	25,332
Sudan	LDC	1983	20,480	13,788	18,882	23,525	3.1	3.1	24	967,485
Suriname	LDC	1980	352	373	355	389	-.5	1.9	9	63,987
Swaziland	LDC	1978	520	440	584	716	2.8	2.9	107	8,794
Sweden	MDC	1980	8,320	8,043	8,310	8,283	.2	.1	46	178,731
Switzerland	MDC	1980	6,368	6,257	6,365	6,573	.2	.1	472	15,996

## No. 1373. POPULATION AND AREA, BY REGION AND COUNTRY—Continued

(See headnote, p. 795)

COUNTRY	Develop- ment status of country <sup>1</sup>	LATEST POPULATION CENSUS <sup>2</sup>		MIDYEAR POPULATION ESTIMATES					Popu- lation per sq. mile, 1987	Area <sup>4</sup> (sq. mile)
		Year	Number (1,000)	Number (1,000)			Avg. annual percent change <sup>3</sup>			
				1970	1980	1987	1970- 1980	1980- 1987		
	LDC	1981	9,158	6,258	8,882	11,148	3.3	3.6	158	71,488
	LDC	1978	17,513	14,036	18,804	23,502	2.9	3.2	85	383,947
	LDC	1980	44,825	37,091	46,926	53,646	2.4	1.9	270	198,772
	LDC	1981	2,705	1,954	2,596	3,229	2.8	3.1	147	22,000
	LDC	1978	90	63	93	99	1.1	0	257	365
and Tobago	LDC	1980	1,058	955	1,056	1,251	1.0	2.4	632	1,880
	LDC	1984	8,975	5,089	6,482	7,582	2.4	2.2	120	63,170
	LDC	1980	44,737	35,758	45,121	52,888	2.3	2.3	178	301,381
	LDC	1979	7	6	7	8	2.5	1.8	833	10
	LDC	1980	12,630	9,906	12,786	15,809	2.6	3.1	175	91,075
ib Emirates	LDC	1980	1,042	249	1,000	1,846	13.8	8.8	57	32,278
gdom	MDC	1981	55,848	55,832	56,314	56,845	1	1	603	94,200
	LDC	1985	2,931	2,824	2,880	2,964	2	4	44	68,037
	LDC	1979	111	85	117	150	3.2	3.5	28	5,700
	LDC	1981	14,570	10,804	15,024	18,291	3.5	2.8	52	352,143
	LDC	1979	52,742	42,432	53,624	63,585	2.3	2.4	498	127,300
	MDC	1970	80,851	80,714	81,581	80,889	1	-1	635	95,976
	LDC	1981	158	142	155	174	9	1.7	154	1,133
	LDC	1973	1,580	1,506	1,920	2,351	2.4	2.9	18	124,886
	LDC	1975	4,540	4,276	5,404	6,533	2.3	2.7	87	75,000
	MDC	1981	22,425	20,371	22,304	23,431	9	7	237	98,786
	LDC	1984	29,871	20,294	26,882	32,343	2.7	2.7	36	905,583
	LDC	1980	5,880	4,247	5,629	7,282	2.8	3.7	25	290,584
	LDC	1982	7,501	5,515	7,298	9,372	2.8	3.8	62	151,000
AREAS OF AL SOVEREIGNTY DEPENDENCIES										
Bermos	LDC	1980	32	27	32	36	1.7	2.1	495	76
	LDC	1984	7	6	7	7	7	7	185	35
	MDC	1980	55	55	57	58	4	2	2,902	20
gin Islands	LDC	1980	11	10	11	12	1.1	1.7	210	59
lands	LDC	1979	17	11	18	23	5.2	3.7	232	100
ids	LDC	1981	18	21	18	18	-1.6	2	192	93
ids	MDC	1979	42	39	43	48	1.2	0	80	517
ams	LDC	1982	73	48	66	82	3.4	4.4	3	35,100
yness	LDC	1983	187	114	151	188	2.8	3.0	120	1,544
	LDC	1987	354	342	453	580	2.8	3.0	3,989	140
	MDC	1981	30	28	29	29	1.0	1	14,534	2
	MDC	1976	50	46	50	54	8	1.1	(2)	840,000
	LDC	1982	327	321	327	338	2	4	480	887
	LDC	1980	106	86	107	127	2.1	2.5	607	209
	MDC	1981	53	53	53	53	(2)	-1	708	75
	LDC	1981	5,021	3,859	5,083	5,592	2.5	1.4	13,671	409
	MDC	1981	65	55	63	65	1.4	3	288	227
	MDC	1981	78	69	76	81	9	9	1,789	45
	LDC	1981	242	249	318	422	2.5	4.0	70,300	6
	LDC	1982	327	325	328	345	(2)	8	812	425
	LDC	1978	47	37	50	64	3.2	3.5	444	145
	LDC	1980	12	12	12	12	2	4	310	39
	LDC	1981	1,010	788	998	1,234	2.4	3.0	4	318,261
de Antilles	LDC	1981	172	158	170	182	7	1.0	239	703
onis	LDC	1983	145	112	139	150	2.2	1.0	18	8,548
Mariane Islands	LDC	1980	17	12	17	20	3.1	2.5	109	184
Trust Terr. of	LDC	1980	116	89	116	138	2.5	2.5	259	533
	LDC	1980	3,197	2,716	3,208	3,331	1.7	.5	970	3,435
	LDC	1982	516	445	507	580	1.3	1.2	567	970
	LDC	1978	6	6	6	6	1.3	3.8	181	47
re and Miquelon	MDC	1982	6	5	6	6	9	6	67	93
Galice Islands	LDC	1980	7	6	7	9	2.8	2.8	55	185
ids	LDC	1980	97	83	96	114	4.3	2.2	867	133
l Futuna	LDC	1978	9	9	11	14	2.2	3.8	174	80
l	LDC	1987	684	680	833	988	2.0	2.2	429	2,262
l	LDC	1970	78	72	83	94	1.4	1.8	1	103,000

1. If available. X Not applicable. 2. Less than .05 percent or 5. 3. MDC—More developed country. LDC—Less developed country. 4. For countries in which no recent census has been taken, survey or national registry data (identified by "S" and "R") are shown. For countries in which the unadjusted census returns are not reported, adjusted census (identified as "A") are shown. 5. Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. 6. Data from U.S. Central Intelligence Agency *The World Factbook Nineteen and Eighty-six*; U.S. Department of State, *Status of the World's Nations*, periodic and Statistical Office of the United Nations, *Demographic Yearbook*. 7. Includes Bermuda, Canada, Greenland, St. Pierre and Miquelon, and the Azores. 8. Excludes Mayotte, an area subject to dispute over sovereignty. 9. Includes the Indian-held part of Jammu and Kashmir. 10. Excludes the Pakistani-held part of Jammu and Kashmir. 11. Excludes Northern Mariana Islands.

U.S. Bureau of the Census, *World Population Profile: 1987*, forthcoming, and unpublished data.

**No. 1378. POPULATION, BIRTH RATE, AND DEATH RATE PROJECTIONS, BY REGION AND FOR  
SELECTED COUNTRIES: 1985 TO 2000**

[Source of data presents 3 series of projections. Figures shown here are for *medium series*. For explanation of "more developed" and "less developed" categories, see text, section 31. For explanation of annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

REGION AND COUNTRY	POPULATION (mil.)				ANNUAL PERCENT CHANGE			BIRTH RATE <sup>1</sup>		DEATH RATE <sup>1</sup>	
	1985	1990	1995	2000	1985-1990	1990-1995	1995-2000	1985-1990	1990-1995	1995-2000	1995-2000
World, total	4,836.8	5,248.2	5,877.8	6,121.8	1.6	1.6	1.6	28.0	25.0	9.9	9.3
More developed regions	1,173.8	1,209.8	1,244.0	1,276.6	.6	.6	.5	15.1	14.6	9.5	9.5
Less developed regions	3,662.8	4,038.4	4,433.5	4,845.2	1.9	1.9	1.8	32.8	29.1	10.0	9.3
<b>Africa</b>	554.9	645.3	750.6	871.8	3.0	3.0	3.0	45.2	43.9	15.1	13.7
Eastern Africa <sup>2</sup>	166.4	166.6	230.8	272.2	3.2	3.3	3.3	49.1	48.2	16.9	15.4
Burundi	4.7	5.4	8.3	7.2	2.6	2.8	2.8	45.7	44.4	17.4	15.9
Ethiopia	43.6	50.1	57.9	66.5	2.8	2.9	2.8	49.3	48.2	22.3	20.5
Kenya	20.8	25.4	31.4	38.5	4.2	4.2	4.1	54.2	52.9	12.4	10.8
Madagascar	10.0	11.6	13.4	15.8	2.9	3.0	3.0	44.1	43.5	15.2	14.0
Malawi	6.9	8.2	9.7	11.4	3.3	3.3	3.3	53.1	51.5	20.0	18.3
Mozambique	14.0	16.0	18.4	21.1	2.7	2.8	2.8	45.2	44.7	18.4	16.8
Rwanda	6.1	7.2	8.5	10.1	3.4	3.4	3.4	50.7	50.0	17.2	15.7
Somalia	4.7	5.2	5.8	6.7	2.1	2.3	2.8	47.7	47.5	22.6	20.8
Uganda	15.5	18.4	22.0	28.2	3.5	3.5	3.8	50.1	49.2	15.4	13.9
Tanzania	22.5	27.0	32.5	39.1	3.7	3.7	3.7	50.3	49.6	13.8	12.6
Zambia	6.7	7.9	9.4	11.2	3.4	3.5	3.5	47.9	47.3	13.7	12.5
Zimbabwe	8.8	10.5	12.6	15.1	3.6	3.6	3.6	47.0	46.2	11.0	9.9
Middle Africa <sup>2</sup>	59.5	68.6	79.4	92.0	2.8	2.9	2.9	44.5	44.0	16.2	14.8
Angola	8.8	10.0	11.5	13.2	2.7	2.8	2.8	47.2	46.7	20.6	19.0
Cameroon	9.9	11.4	13.1	15.2	2.8	2.9	2.9	42.5	41.9	14.5	13.2
Central African Rep.	2.6	2.9	3.3	3.8	2.4	2.5	2.6	44.3	43.6	20.1	18.5
Chad	5.0	5.7	6.4	7.3	2.4	2.5	2.6	44.2	43.5	19.9	18.3
Zaire	29.9	34.6	40.7	47.6	3.0	3.1	3.1	44.8	44.2	14.5	13.2
Northern Africa <sup>2</sup>	123.0	139.9	157.6	175.8	2.6	2.4	2.2	36.5	32.8	10.5	9.0
Algeria	21.7	25.5	29.5	33.4	3.2	3.0	2.5	41.1	37.0	9.1	7.5
Egypt	46.9	52.5	58.2	63.9	2.3	2.0	1.9	32.6	28.9	9.8	8.3
Libya	3.6	4.3	5.2	6.1	3.7	3.5	3.3	43.8	42.3	9.4	8.1
Morocco	21.9	24.6	27.2	29.5	2.3	2.0	1.7	32.5	27.7	9.5	8.0
Sudan	21.8	24.9	28.7	32.9	2.9	2.9	2.8	44.2	42.0	15.4	13.6
Tunisia	7.1	7.9	8.7	9.4	2.2	1.9	1.7	30.4	28.6	8.7	7.8
Southern Africa <sup>2</sup>	37.2	42.4	48.2	54.6	2.8	2.6	2.5	36.8	37.3	12.9	11.7
South Africa	32.4	36.8	41.6	46.9	2.5	2.5	2.4	37.9	36.3	12.7	11.5
Western Africa <sup>2</sup>	188.8	198.7	234.7	277.5	3.3	3.3	3.4	49.2	48.4	16.7	15.2
Benin	4.1	4.7	5.6	6.5	3.1	3.2	3.2	50.5	49.8	19.4	17.7
Burkina Faso	6.9	7.9	9.1	10.5	2.7	2.8	2.9	47.7	46.8	18.6	17.1
Ghana	13.6	16.1	19.0	22.6	3.4	3.4	3.4	46.9	46.0	13.4	12.1
Guinea	6.1	6.9	7.8	8.9	2.5	2.5	2.6	46.6	45.5	21.9	20.2
Ivory Coast	8.8	11.7	13.7	16.0	3.5	3.2	3.2	45.2	44.6	14.3	13.1
Mali	6.1	6.4	10.9	12.7	2.9	3.0	3.0	50.1	49.0	20.8	19.0
Niger	6.1	7.1	8.3	9.8	3.1	3.1	3.2	50.9	50.2	20.9	19.0
Nigeria	95.2	113.3	135.5	161.9	3.5	3.6	3.6	50.5	49.8	15.7	14.3
Senegal	6.4	7.4	8.5	9.8	2.7	2.8	2.8	46.4	45.7	19.4	17.8
Togo	3.0	3.4	4.0	4.7	3.1	3.1	3.1	44.9	44.1	14.4	13.1
<b>Latin America</b>	404.8	451.1	498.8	546.4	2.2	2.0	1.8	29.7	27.5	7.6	7.1
Caribbean <sup>2</sup>	32.0	34.8	37.8	41.0	1.7	1.7	1.6	26.6	25.7	8.0	7.7
Cuba	10.0	10.5	11.2	11.7	1.0	1.1	1.0	18.2	18.2	6.7	6.9
Dominican Republic	6.2	7.0	7.7	8.4	2.2	2.0	1.8	30.9	28.0	7.1	6.5
Haiti	6.6	7.5	8.8	9.9	2.6	2.7	2.8	40.6	40.1	12.6	11.9
Central America <sup>2</sup>	105.1	118.2	133.8	149.1	2.5	2.3	2.1	32.6	30.2	6.7	6.2
El Salvador	5.8	6.5	7.5	8.7	3.1	3.0	2.9	37.9	35.9	7.0	6.6
Guatemala	8.0	9.2	10.6	12.2	2.9	2.9	2.8	40.6	38.7	8.9	7.7
Honduras	4.4	5.1	6.0	7.0	3.1	3.1	3.2	39.4	37.9	8.4	7.2
Mexico	79.0	88.0	99.2	109.2	2.4	2.2	1.9	31.2	28.4	6.5	6.0
Nicaragua	3.3	3.9	4.5	5.3	3.4	3.2	3.0	41.8	38.7	8.0	6.7
Temperate South America <sup>2</sup>	45.8	49.0	52.2	55.4	1.4	1.3	1.2	22.6	21.0	8.2	8.1
Argentina	30.8	32.9	35.1	37.2	1.5	1.3	1.2	23.2	21.4	8.6	8.5
Chile	12.0	13.0	13.9	14.8	1.5	1.4	1.2	22.0	20.7	6.6	6.6
Uruguay	3.0	3.1	3.2	3.4	.8	.7	.7	18.9	18.2	10.2	10.3
Tropical South America <sup>2</sup>	222.1	248.1	274.8	301.0	2.2	2.0	1.8	30.1	27.7	7.9	7.4
Bolivia	6.4	7.3	8.4	9.7	2.8	2.8	2.9	42.8	41.3	14.1	12.2
Brazil	135.8	150.4	165.1	179.6	2.1	1.9	1.7	28.6	26.1	7.9	7.5
Colombia	26.7	31.6	34.9	38.0	2.1	1.9	1.7	29.2	26.7	7.4	7.1
Ecuador	9.4	10.8	12.3	13.9	2.6	2.7	2.5	35.4	33.6	7.6	7.0
Paraguay	3.7	4.2	4.8	5.4	2.8	2.6	2.3	34.3	31.9	6.8	6.4
Peru	19.7	22.3	25.1	28.0	2.5	2.4	2.1	34.3	31.2	9.2	7.7
Venezuela	17.3	19.7	22.2	24.7	2.6	2.4	2.1	30.7	28.2	5.4	5.3

See footnotes at end of table.

**NO. 1379. POPULATION, BIRTH RATE, AND DEATH RATE PROJECTIONS, BY REGION AND FOR  
SELECTED COUNTRIES: 1985 TO 2000—Continued**

(See heading p. 795)

REGION AND COUNTRY	POPULATION				ANNUAL PERCENT CHANGE			BIRTH RATE <sup>1</sup>		DEATH RATE <sup>1</sup>	
	1985	1990	1995	2000	1985- 1990	1990- 1995	1995- 2000	1985- 1990	1990- 1995	1985- 1990	1990- 1995
<b>Northern America <sup>2</sup></b>	263.8	275.2	286.7	297.3	.9	.8	.7	15.8	15.1	8.9	8.9
Canada	25.4	26.7	27.9	28.9	1.0	.9	.7	14.9	13.9	7.8	8.0
United States	238.0	248.4	258.7	268.2	.9	.8	.7	16.7	15.2	9.0	9.0
<b>East Asia <sup>2</sup></b>	1,249.8	1,324.1	1,399.5	1,475.0	1.2	1.1	1.1	18.2	17.8	6.6	6.7
China: Mainland	1,069.5	1,123.8	1,189.6	1,255.9	1.2	1.1	1.1	18.4	18.0	6.6	6.7
Hong Kong	5.5	6.0	6.5	6.8	1.7	1.4	1.0	16.5	15.3	5.9	6.5
Japan	120.7	123.9	126.8	129.7	.5	.5	.5	12.3	12.6	7.2	8.0
North Korea	20.4	22.9	25.5	28.2	2.4	2.2	2.0	26.9	26.5	5.4	5.0
South Korea	41.3	44.8	48.1	51.0	1.7	1.4	1.2	23.2	20.2	5.9	5.6
<b>South Asia</b>	1,566.5	1,733.5	1,904.6	2,074.0	2.0	1.9	1.7	31.1	28.8	11.1	10.0
<b>Eastern South Asia <sup>2</sup></b>	399.6	439.1	479.9	519.5	1.9	1.8	1.8	28.7	26.7	9.7	8.9
Burma	37.2	40.8	44.7	48.5	1.9	1.8	1.7	28.8	26.7	9.9	8.8
Cambodia	7.3	8.2	9.1	9.8	2.5	2.0	1.4	41.4	34.2	16.6	14.3
Indonesia	166.4	181.6	196.9	211.4	1.7	1.6	1.4	28.6	26.4	11.3	10.2
Laos	4.1	4.6	5.2	5.8	2.4	2.3	2.1	38.1	35.2	13.9	12.3
Malaysia	15.6	17.3	19.0	20.5	2.1	1.9	1.6	27.1	24.0	5.9	5.4
Philippines	54.5	61.0	67.6	74.1	2.3	2.1	1.8	30.8	28.3	7.8	7.1
Singapore	2.6	2.7	2.8	2.9	1.1	1.0	.8	16.5	15.4	5.6	5.8
Thailand	51.4	55.7	60.5	65.5	1.6	1.7	1.8	23.5	23.7	7.4	7.2
Vietnam	59.7	66.2	73.1	79.9	2.1	2.0	1.8	29.6	26.2	9.2	8.3
<b>Middle South Asia <sup>2</sup></b>	1,055.9	1,164.6	1,278.6	1,386.9	2.0	1.8	1.7	31.5	29.1	11.9	10.7
Afghanistan	16.5	21.0	23.5	26.0	4.8	2.2	2.1	47.5	44.9	23.9	22.9
Bangladesh	101.1	115.2	130.3	145.8	2.6	2.5	2.2	41.7	38.4	15.6	13.9
India	758.9	827.2	896.7	964.1	1.7	1.6	1.5	28.1	25.9	10.9	9.8
Iran	44.6	51.3	58.2	65.2	2.8	2.5	2.3	36.5	34.6	10.8	9.2
Nepal	16.5	18.5	20.7	23.0	2.3	2.3	2.2	39.4	37.8	16.7	15.2
Pakistan	100.4	112.2	126.7	141.0	2.2	2.4	2.1	40.4	38.0	13.8	12.0
Sri Lanka	16.2	17.5	18.6	19.8	1.5	1.2	1.1	24.2	20.5	6.1	5.9
<b>Western South Asia <sup>2</sup></b>	112.9	129.6	148.1	167.6	2.8	2.6	2.5	35.5	33.4	8.5	7.4
Iraq	15.9	19.8	21.9	25.4	3.3	3.1	2.9	40.8	37.7	7.7	6.5
Israel	4.3	4.6	5.0	5.3	1.7	1.5	1.3	21.3	20.3	7.1	6.9
Jordan	3.5	4.3	5.3	6.4	4.0	4.1	4.0	46.4	48.4	8.6	5.5
Lebanon	2.7	3.0	3.3	3.6	2.1	2.1	1.9	28.9	27.6	7.7	6.8
Saudi Arabia	11.5	14.0	16.7	19.8	3.8	3.8	3.4	40.8	39.2	7.4	6.3
Syria	10.5	12.6	15.1	17.8	3.7	3.6	3.3	45.4	42.9	7.0	5.7
Turkey	49.3	54.6	60.0	65.4	2.1	1.9	1.7	29.2	26.4	8.4	7.5
Yemen (Sanaa)	6.6	7.9	9.3	10.9	2.9	3.1	3.2	47.4	46.5	15.4	14.5
<b>Europe (excl. Soviet Union)</b>	491.9	498.6	505.7	512.5	.3	.3	.3	13.5	13.4	10.8	10.6
<b>Eastern Europe</b>	112.3	115.0	117.5	120.4	.5	.5	.5	15.4	14.7	10.8	10.3
Bulgaria	9.1	9.2	9.4	9.5	.4	.3	.3	14.9	14.2	11.0	11.1
Czechoslovakia	15.6	15.8	16.2	16.6	.3	.4	.5	14.6	14.7	11.4	10.7
East Germany	16.8	16.9	17.0	17.1	.2	.1	.2	14.2	12.9	12.8	11.6
Hungary	10.7	10.7	10.7	10.7	-1	(2)	1	12.1	12.4	12.8	12.9
Poland	37.2	38.5	39.7	40.8	.7	.6	.6	16.4	14.9	9.4	9.1
Romania	23.0	23.8	24.7	25.6	.7	.7	.7	16.9	17.0	10.1	9.8
<b>Northern Europe <sup>2</sup></b>	82.7	83.1	83.5	83.7	.1	.1	.1	12.9	12.8	11.9	11.8
Denmark	5.1	5.1	5.1	5.1	(-2)	-1	1	10.9	10.6	11.5	11.7
Finland	4.8	5.0	5.0	5.1	.3	.2	1	12.6	11.8	10.2	10.3
Ireland	3.6	3.8	4.1	4.3	1.3	1.2	1.1	21.4	20.4	8.8	8.2
Norway	4.1	4.2	4.2	4.2	.2	.1	1	11.7	11.4	11.0	11.2
Sweden	9.4	9.3	9.2	9.2	-1	-2	.2	10.1	10.1	11.9	12.3
United Kingdom	58.1	58.2	58.3	58.4	(2)	(2)	(2)	13.1	13.1	12.3	12.2
<b>Southern Europe <sup>2</sup></b>	142.6	146.7	149.1	152.4	.4	.5	.4	14.0	14.4	9.7	9.6
Albania	3.1	3.4	3.8	4.1	2.1	2.1	1.8	26.5	26.1	5.4	5.3
Greece	9.8	10.1	10.3	10.4	.4	.4	.3	14.4	14.1	10.9	10.5
Italy	57.3	57.6	58.1	58.6	.1	.2	.2	11.6	12.7	10.7	10.8
Portugal	10.2	10.5	10.8	11.2	.6	.7	.6	16.6	16.1	9.4	9.2
Spain	38.5	39.7	41.0	42.2	.6	.6	.6	15.1	15.3	8.9	9.1
Yugoslavia	23.2	23.9	24.6	25.2	.6	.6	.5	15.2	14.6	8.9	8.9
<b>Western Europe <sup>2</sup></b>	154.2	154.8	155.6	156.0	.1	.1	.1	12.0	11.9	11.3	11.0
Austria	7.5	7.5	7.5	7.5	(2)	(2)	-	12.4	12.2	12.3	11.9
Belgium	9.9	9.9	10.0	10.0	.1	(2)	1	12.2	11.5	11.7	11.5
France	54.8	55.5	56.3	57.2	.3	.3	.3	13.7	13.1	10.6	10.0
Netherlands	14.5	14.7	15.0	15.1	.3	.3	.2	11.7	11.4	8.6	9.1
Switzerland	6.4	6.4	6.4	6.3	(2)	(-2)	-1	10.8	10.5	10.4	10.7
West Germany	60.9	60.3	60.3	60.5	-2	-1	.2	10.8	11.0	12.4	12.2
<b>Soviet Union</b>	278.6	291.8	303.5	314.7	.9	.8	.7	16.8	15.8	9.1	8.9
<b>Oceania <sup>2</sup></b>	24.6	26.5	28.3	30.1	1.4	1.3	1.2	20.0	19.2	8.2	8.2
Australia	15.7	16.7	17.7	18.6	1.3	1.2	1.0	15.6	15.0	7.7	7.9
New Zealand	3.3	3.5	3.6	3.7	.9	.8	.8	15.6	15.4	8.4	8.5
Papua New Guinea	3.5	4.0	4.4	4.8	2.4	2.3	2.2	35.9	33.8	12.1	11.2

Represents zero. Z Less than .05 percent. <sup>1</sup> Per 1,000 population. <sup>2</sup> Includes countries not shown separately.

Source: Population Division of the United Nations, New York, NY, *World Population Prospects as Assessed in 1984, 1989*.

No. 1380. URBAN POPULATION; GROWTH, BIRTH, AND DEATH RATES; LIFE EXPECTANCY; AND INFANT MORTALITY—SELECTED COUNTRIES

[Covers countries with 10 million or more population in 1987. Growth rate: Annual increase (or decrease) to the population resulting from a surplus or deficit of births over deaths and a surplus or deficit of migrants into or out of the country, expressed as a percentage of the base population. Crude birth rate: Number of births during 1 year per 1,000 persons (based on midyear population). Crude death rate: Number of deaths during 1 year per 1,000 persons (based on midyear population). Minus sign (—) indicates decrease. Infant mortality rate: Number of deaths of children under 1 year of age per 1,000 live births in a calendar year]

COUNTRY	URBAN POPULATION		Growth rate of population, 1980 (per cent)	Crude birth rate, 1980	Crude death rate, 1983	EXPECTATION OF LIFE AT BIRTH, 1985			Infant mortality rate, 1980
	Year or period	Per cent of total population				Both sexes (yr.)	Male (yr.)	Female (yr.)	
United States.....	1980	74	.9	16	9	75	71	79	11
Afghanistan.....	1979	15	1.1	45	22	41	42	40	180
Algeria.....	1977	41	3.1	40	9	63	61	64	84
Argentina.....	1980	83	1.3	21	9	70	67	74	34
Australia.....	1981	86	1.2	18	8	76	73	79	8
Bangladesh.....	1981	15	2.7	43	16	50	51	49	136
Brazil.....	1980	66	2.5	32	7	66	64	68	63
Burma.....	1983	24	2.1	34	14	53	52	55	104
Cameroon.....	1976	29	2.7	43	17	49	47	50	131
Canada.....	1981	76	.9	15	7	77	73	81	8
Chile.....	1982	81	1.6	22	6	71	67	75	20
China:									
Mainland.....	1982	21	1.4	21	7	68	67	69	36
Taiwan.....	1982	67	1.3	18	5	73	71	76	19
Colombia.....	1973	64	2.1	28	7	65	63	67	58
Cuba.....	1981	89	.9	17	7	73	72	74	17
Czechoslovakia.....	1983	74	.3	14	12	71	68	75	14
East Germany.....	1983	77	— .1	14	13	73	69	75	11
Egypt.....	1976	44	2.8	39	11	58	56	59	102
Ethiopia.....	1984	11	3.9	46	15	50	49	51	120
France.....	1975	73	.4	14	10	75	71	79	10
Ghana.....	1970	29	2.9	42	11	58	56	60	73
Hungary.....	1984	56	— .2	12	14	69	65	73	20
India.....	1981	23	2.1	32	11	56	55	57	98
Indonesia.....	1980	22	2.1	31	10	57	56	59	67
Iran.....	1976	47	3.3	45	13	57	57	57	113
Iraq.....	1977	64	3.6	45	10	62	61	62	96
Italy.....	(x)	(NA)	.2	11	10	76	73	80	9
Ivory Coast.....	1975	32	3.8	46	14	52	50	54	109
Japan.....	1980	76	.5	12	7	78	75	80	8
Kenya.....	1979	13	4.2	52	10	60	56	62	76
Madagascar.....	1975	16	3.1	47	16	50	49	52	106
Malaysia.....	1980	43	2.1	28	7	68	64	69	36
Mexico.....	1980	66	2.0	29	6	69	68	72	46
Morocco.....	1982	43	2.5	36	10	62	60	63	87
Mozambique.....	1980	15	2.5	47	19	45	43	46	150
Nepal.....	1971	4	2.4	41	17	49	49	48	109
Netherlands.....	1981	88	.5	12	8	77	73	80	8
Nigeria.....	1983	16	2.9	48	18	47	46	48	126
North Korea.....	(x)	(NA)	2.5	31	6	69	66	72	34
Pakistan.....	1981	26	2.8	43	15	53	53	54	123
Peru.....	1981	65	2.6	35	10	61	59	63	91
Philippines.....	1980	37	2.7	35	7	65	62	66	51
Poland.....	1984	60	.7	18	10	70	68	74	21
Portugal.....	1981	30	.8	14	9	74	70	77	17
Romania.....	1983	52	.5	16	10	70	67	73	26
Saudi Arabia.....	(x)	(NA)	4.8	39	8	63	62	64	91
South Africa.....	1980	53	2.3	32	10	60	57	64	66
South Korea.....	1980	57	1.4	21	6	69	65	72	27
Soviet Union.....	1984	65	.9	20	11	68	63	73	27
Spain.....	1981	91	.5	13	6	77	74	80	12
Sri Lanka.....	1981	22	1.3	23	6	70	68	72	30
Sudan.....	1983	20	1.7	45	15	52	50	54	106
Syria.....	1981	47	3.7	44	7	67	66	67	44
Tanzania.....	1976	14	3.3	50	17	50	46	52	115
Thailand.....	1980	17	1.8	25	8	64	61	67	54
Turkey.....	1980	44	2.2	32	9	63	61	64	69
Uganda.....	1989	8	4.1	49	16	49	46	50	106
United Kingdom.....	1981	90	.2	13	12	75	72	78	10
Venezuela.....	1982	77	2.7	32	6	69	68	72	40
Vietnam.....	1979	19	2.5	34	9	62	60	64	57
West Germany.....	1981	85	(Z)	10	12	76	72	78	8
Yugoslavia.....	1981	47	.7	16	9	71	68	74	27
Zaire.....	1970	22	2.9	46	15	51	50	53	114

NA Not available. X Not applicable. Z Less than .05 percent.

Source: U.S. Bureau of the Census, unpublished data from International Data Base.

**10. 1961. POPULATION OF THE WORLD'S 100 LARGEST URBAN AREAS, 1960 TO 1965, AND PROJECTIONS, 1980 AND 2000**

10. The 100 largest cities are large urban agglomerations, composed, in most cases, of the central city, adjacent smaller cities, and suburbs. City boundaries depend on local administrative boundaries, population densities, types of land use, and other characteristics. Rankings depend on the population living within the urban agglomeration boundaries determined by local and national governments. Rankings would not necessarily be the same if uniform criteria were used. Statistics for the Chinese cities should be considered tentative.

CITIES RANKED BY POPULATION SIZE, 1965	1960	1965	1970	1975	1980	1985	1990, proj.	2000, proj.
Tokyo, Japan	10.7	12.6	14.9	18.4	17.7	18.8	19.3	20.2
City, Mexico	5.2	6.9	9.1	11.6	14.5	17.3	20.3	25.5
So, Brazil	4.8	6.4	8.2	10.3	12.8	15.9	18.8	24.0
4, U.S.	14.2	15.4	16.3	15.9	15.8	16.6	15.7	15.8
1, China: Mainland	10.7	10.8	11.4	11.8	11.8	12.0	12.4	14.9
India	6.6	6.3	7.1	8.3	9.6	11.0	12.5	16.5
Area, Argentina	8.9	7.7	8.8	8.3	10.1	10.8	11.7	13.2
San, Brazil	5.1	6.1	7.2	8.2	9.2	10.4	11.4	13.3
United Kingdom	10.7	10.8	10.6	10.3	10.3	10.4	10.4	10.5
South Korea	2.4	3.5	5.4	7.0	8.5	10.3	11.7	13.8
Bombay, India	4.2	5.0	6.0	7.2	8.5	10.1	11.8	16.0
Area, U.S.	5.6	7.5	8.4	9.0	9.5	10.1	10.6	11.0
Osaka, Japan	5.8	6.7	7.6	8.0	8.7	9.5	9.8	10.5
China: Mainland	7.3	7.8	8.3	8.9	9.1	9.3	9.6	11.2
Soviet Union	8.3	8.8	7.1	7.8	8.2	9.0	9.5	10.4
London	7.2	8.0	8.3	8.8	8.7	8.7	8.7	8.7
Indonesia	2.8	3.5	4.5	5.5	6.7	7.9	9.5	13.3
China: Mainland	8.0	8.3	8.9	7.4	7.7	7.8	8.3	8.7
Ca, Egypt	4.5	5.1	5.7	6.3	6.9	7.7	8.6	11.1
Iran	1.8	2.5	3.3	4.4	5.8	7.5	9.4	13.8
Shanghai	2.3	2.9	3.6	4.6	5.9	7.4	9.1	13.2
City	4.5	5.0	5.5	6.2	6.7	7.2	7.5	8.2
Manila, Philippines	2.3	2.9	3.6	4.6	6.0	7.0	8.3	11.1
U.S.	8.0	8.4	8.6	8.8	8.8	8.8	8.9	7.0
Pakistan	1.8	2.4	3.1	4.0	5.2	6.7	8.2	12.0
Thailand	2.2	2.7	3.3	4.1	5.0	6.1	7.4	10.7
La, Peru	1.8	2.3	2.9	3.7	4.6	5.7	6.8	8.1
India	1.7	2.3	3.1	3.8	4.4	5.2	6.0	8.2
Hong Kong	2.7	3.3	3.5	4.0	4.8	5.1	5.6	6.4
1, Soviet Union	3.5	3.8	4.0	4.3	4.7	5.1	5.4	5.9
Bangladesh	7	1.0	1.5	2.4	3.4	4.9	6.6	11.2
Spain	2.2	2.7	3.4	3.8	4.3	4.7	5.0	5.4
Colombia	1.3	1.8	2.4	3.0	3.7	4.5	5.3	6.5
1, Iraq	1.0	1.6	2.1	2.7	3.6	4.4	5.3	7.4
China, U.S.	3.7	3.9	4.1	4.1	4.1	4.2	4.2	4.4
Chile	2.1	2.6	3.0	3.4	3.7	4.2	4.6	5.3
Italy	3.2	3.4	3.6	3.8	4.0	4.1	4.2	4.3
South Korea	1.2	1.4	1.9	2.5	3.2	4.1	4.9	6.2
China: Mainland	2.5	2.8	3.1	3.5	3.8	4.1	4.4	5.4
India	1.2	1.4	1.7	2.2	3.0	4.0	5.1	8.0
U.S.	3.6	3.8	4.0	3.8	3.8	3.8	3.9	4.0
Australia	2.1	2.4	2.7	3.0	3.4	3.8	3.8	4.2
Venezuela	1.3	1.7	2.1	2.6	3.2	3.7	4.2	5.0
Pakistan	1.2	1.8	2.0	2.4	3.0	3.7	4.4	6.2
Italy	2.3	2.7	3.1	3.4	3.8	4.7	5.8	7.9
Spain	7	1.0	1.4	2.1	2.8	3.7	4.8	6.3
China: Mainland	2.2	2.4	2.7	3.0	3.2	3.4	3.6	4.4
China: Mainland	1.9	2.2	2.5	2.8	3.1	3.3	3.6	4.4
Mexico, U.S.	2.8	2.8	3.0	3.1	3.2	3.3	3.4	3.6
Poland	2.4	2.6	2.8	2.9	3.1	3.3	3.5	3.8
Recife, Brazil	.9	1.2	1.6	2.1	2.6	3.3	3.9	5.1
Spain	1.9	2.3	2.7	2.9	3.1	3.2	3.2	3.4
Canada	1.8	2.1	2.6	2.8	2.9	3.2	3.3	3.6
Australia	1.9	2.1	2.3	2.6	2.9	3.2	3.2	3.4
India	1.2	1.5	1.7	2.1	2.6	3.1	3.6	5.3
India	1.3	1.5	1.8	2.2	2.6	3.1	3.7	5.1
Turkey	1.5	2.0	2.6	2.9	2.9	2.9	3.0	3.9
Egypt	1.6	1.8	2.0	2.3	2.6	2.9	3.4	4.4
San, U.S.	1.8	2.2	2.5	2.8	2.9	2.9	3.0	3.2
Turkey	.8	.9	1.3	1.7	2.2	2.8	3.6	5.2
United Kingdom	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Canada	2.0	2.4	2.7	2.9	2.9	2.9	2.9	2.9
U.S.	1.2	1.4	1.7	2.0	2.4	2.8	3.2	3.7
Mexico	.9	1.2	1.6	2.0	2.4	2.8	3.2	4.1
Brazil	1.0	1.3	1.6	1.9	2.3	2.7	3.2	4.0



No. 1381. POPULATION OF THE WORLD'S 100 LARGEST URBAN AREAS: 1985—Continued

[See headnote, p. 801]

CITY	1965	1966	1970	1975	1980	1985	1990, proj.	2000, proj.
Recife, Brazil.....	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.7
Rangoon, Burma.....	1.0	1.2	1.4	1.8	2.2	2.7	3.2	4.3
Boston, U.S.....	2.4	2.6	2.7	2.7	2.7	2.7	2.7	2.8
Chongqing, China: Mainland.....	2.2	2.3	2.5	2.6	2.6	2.7	2.6	3.3
Casablanca, Morocco.....	1.1	1.3	1.5	1.9	2.2	2.7	3.2	4.5
Kinshasa, Zaire.....	.5	.8	1.2	1.6	2.2	2.7	3.3	5.0
Dallas, U.S.....	1.2	1.6	2.0	2.2	2.5	2.7	2.9	3.1
Athens, Greece.....	1.8	2.0	2.1	2.3	2.5	2.7	2.8	3.0
Chengdu, China: Mainland.....	1.1	1.3	1.6	2.0	2.3	2.7	3.0	3.9
Algiers, Algeria.....	.9	.9	1.2	1.6	2.1	2.7	3.4	5.1
Ho Chi Minh Village, Vietnam.....	1.5	1.9	2.3	2.4	2.5	2.6	2.9	3.8
Kiev, Soviet Union.....	1.2	1.4	1.7	1.9	2.2	2.6	2.9	3.4
Harbin, China: Mainland.....	1.6	1.7	2.0	2.2	2.4	2.6	2.8	3.5
Singapore, Singapore.....	1.3	1.4	1.6	2.3	2.4	2.6	2.7	3.0
Monterrey, Mexico.....	.9	1.1	1.3	1.7	2.1	2.5	3.0	4.0
Manchester, United Kingdom.....	2.5	2.6	2.5	2.5	2.5	2.5	2.5	2.5
Taipei, China: Taiwan.....	1.0	1.2	1.5	1.8	2.2	2.5	2.8	3.7
Zibo, China: Mainland.....	.8	1.0	1.3	1.7	2.0	2.4	2.9	3.7
Surabaya, Indonesia.....	1.0	1.2	1.5	1.8	2.1	2.4	2.7	3.7
Turin, Italy.....	1.3	1.4	1.6	1.8	2.1	2.3	2.4	2.6
Xian, China: Mainland.....	1.3	1.5	1.7	2.0	2.1	2.3	2.4	3.0
Salvador, Brazil.....	.7	.9	1.2	1.5	1.8	2.2	2.7	3.5
Bucharest, Romania.....	1.4	1.5	1.7	1.9	2.1	2.2	2.4	2.6
Lupanshui, China: Mainland.....	1.2	1.4	1.7	1.9	2.0	2.2	2.4	2.9
Hamburg, West Germany.....	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Nanjing, China: Mainland.....	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.8
Poona, India.....	.7	.9	1.1	1.4	1.7	2.1	2.6	3.7
Tashkent, Soviet Union.....	1.0	1.2	1.4	1.6	1.9	2.1	2.4	2.7
Munich, West Germany.....	1.3	1.5	1.7	1.9	2.0	2.1	2.2	2.2
Medan, Indonesia.....	.5	.6	.6	.9	1.4	2.1	3.0	5.4
Kitakyushu, Japan.....	1.3	1.5	1.6	1.7	1.9	2.1	2.1	2.2
Budapest, Hungary.....	1.8	1.9	2.0	2.1	2.1	2.1	2.1	2.1
West Berlin, West Germany.....	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0
Kanpur, India.....	1.0	1.1	1.3	1.5	1.8	2.0	2.4	3.2
Nagoya, Japan.....	1.5	1.7	1.9	1.9	2.0	2.0	2.0	2.0

Source: United Nations, Dept. for International Economic and Social Affairs, New York, NY, *The Prospects of World Urbanization: Revised as of 1984-1985*, forthcoming.

No. 1382. DEATH RATES BY SELECTED CAUSES—SELECTED COUNTRIES

[Age-standardized death rate per 100,000 population. For explanation of age-adjustment, see text, section 2. The standard population for this table is the European standard; see source for details. Deaths classified according to ninth revision of *International Classification of Diseases*; see text, section 2]

COUNTRY	Year	Ische- mic heart dis- ease	Cerebro- vascular disease	MALIGNANT NEOPLASM OF—			Bronchi- tis, <sup>2</sup> emphy- sema, asthma	Chron- ic liver dis- ease and cirrho- sis	Motor vehic- le traffic acci- dents	Sui- cide
				Lung, tra- chea, bron- chus	Stom- ach	Female breast <sup>1</sup>				
United States.....	1983	229.8	62.8	52.0	6.1	31.3	8.6	13.2	17.5	12.2
Australia.....	1984	225.7	93.4	39.4	9.8	29.0	15.4	6.5	16.8	11.5
Austria.....	1985	160.1	137.2	34.8	21.6	31.7	26.9	26.7	18.4	26.2
Belgium.....	1984	120.6	95.0	55.9	14.7	36.8	22.6	12.4	16.7	22.7
Bulgaria.....	1984	215.5	240.7	31.6	25.7	20.9	25.9	14.4	12.5	16.6
Canada.....	1984	208.2	59.5	50.9	9.3	33.5	9.6	10.3	14.9	13.8
Czechoslovakia.....	1984	289.9	196.9	51.5	24.6	26.4	34.6	20.8	10.2	19.1
Denmark.....	1984	247.1	73.6	52.5	11.5	39.0	32.0	11.9	12.2	24.8
Finland.....	1984	264.4	103.0	39.0	19.1	22.9	19.1	6.7	10.3	24.8
France.....	1984	74.4	79.8	31.7	11.6	27.4	10.3	24.7	19.2	21.3
Hungary.....	1985	237.6	197.9	50.6	26.1	31.3	45.9	42.3	16.7	43.2
Italy.....	1981	119.8	114.1	39.1	23.8	27.4	26.4	31.5	17.4	6.7
Japan.....	1985	45.0	123.6	25.0	42.9	7.9	13.1	15.0	10.5	19.6
Netherlands.....	1984	163.5	75.6	56.5	16.1	36.6	17.7	5.6	10.6	12.5
New Zealand.....	1984	251.5	96.3	45.3	11.3	34.3	24.3	4.5	19.5	12.5
Norway.....	1984	201.3	92.2	25.1	15.4	25.6	17.7	5.8	9.8	14.5
Poland.....	1984	103.1	70.6	45.3	26.1	21.2	34.2	13.0	15.1	14.7
Portugal.....	1985	81.5	234.9	18.4	26.2	23.1	21.3	31.1	25.5	9.9
Sweden.....	1984	242.5	72.3	23.5	11.8	26.3	12.9	7.2	9.2	16.8
Switzerland.....	1985	114.3	66.0	36.7	12.6	37.5	17.9	11.0	13.1	23.7
United Kingdom:										
England and Wales.....	1984	243.3	104.3	57.7	16.0	41.9	23.6	4.3	9.2	6.5
Scotland.....	1985	298.0	129.1	71.3	16.2	36.9	17.6	8.2	11.0	11.1
West Germany.....	1985	167.0	104.5	34.6	18.8	31.9	26.9	20.7	11.8	16.6

<sup>1</sup> Data for female population only.    <sup>2</sup> Chronic and unspecified.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics, annual*.

NO. 1383. SUICIDE RATES FOR SELECTED COUNTRIES, BY SEX AND AGE GROUP

per 100,000 population. Includes deaths resulting indirectly from self-inflicted injuries. Except as noted, deaths classified according to the ninth revision of the *International Classification of Diseases* (I.C.D.); see text, section 2)

NO AGE	United States, 1983	Australia, 1984	Austria, 1985	Canada, 1984	Denmark, <sup>1</sup> 1984	France, 1984	Italy, 1981	Japan, 1985	Netherlands, 1984	Poland, 1984	Sweden, <sup>1</sup> 1984	United Kingdom, <sup>2</sup> 1984	West Germany, 1985
ALL													
all <sup>3</sup> .....	19.2	16.9	40.9	21.4	36.5	32.2	8.8	26.0	15.2	23.6	27.4	11.8	29.4
yrs. old...	18.8	18.8	31.9	26.9	16.1	16.3	5.0	13.0	7.0	18.2	16.4	7.5	19.8
yrs. old...	25.4	23.9	42.5	27.8	37.7	33.6	8.3	23.4	18.6	36.3	36.5	14.0	29.5
yrs. old...	22.7	20.1	53.6	25.3	53.2	36.7	6.9	30.5	19.0	37.0	36.5	16.5	31.8
yrs. old...	23.7	22.7	56.3	26.6	57.1	43.8	14.0	49.6	22.5	39.0	42.2	18.2	40.3
yrs. old...	25.7	24.3	53.9	26.8	65.5	46.1	16.3	41.4	23.7	31.2	30.5	16.8	36.2
yrs. old...	31.7	24.7	71.9	25.1	48.8	64.9	24.9	42.6	26.6	29.1	37.9	17.0	50.2
old and													
.....	50.7	30.4	95.3	33.0	67.3	116.7	36.4	74.8	42.7	29.7	47.5	22.5	79.4
MALE													
all <sup>3</sup> .....	5.4	5.2	15.7	6.1	21.0	12.4	4.0	13.1	9.6	4.9	11.8	5.7	12.7
yrs. old...	4.2	4.4	7.9	4.3	4.1	4.5	1.7	5.9	3.7	3.8	6.2	6.1	5.3
yrs. old...	6.6	6.5	10.2	7.0	12.9	11.5	3.1	9.8	10.1	5.7	15.3	3.8	8.9
yrs. old...	7.9	6.7	20.5	9.2	26.3	13.9	4.3	11.9	11.1	6.6	15.3	6.4	12.2
yrs. old...	8.9	10.6	19.1	10.5	41.1	17.6	5.2	17.3	14.8	8.3	20.1	9.8	16.5
yrs. old...	8.3	8.2	22.4	10.7	38.1	18.4	7.8	16.6	17.3	8.0	15.0	10.7	16.3
yrs. old...	7.3	6.5	31.0	8.4	37.7	25.3	9.5	29.7	21.2	7.5	17.9	10.6	24.7
old and													
.....	6.1	5.7	32.2	5.8	32.2	26.6	7.7	54.3	14.6	6.4	11.7	10.0	24.6

sed on the eighth revision of the I.C.D.   <sup>2</sup> England and Wales only.   <sup>3</sup> Includes other age groups not shown separately.  
ce: World Health Organization, Geneva, Switzerland, *World Health Statistics*, annual; and unpublished data.

1384. SELECTED MEASURES OF HOSPITAL AND PHYSICIAN UTILIZATION—SELECTED COUNTRIES:  
1983

COUNTRY	Inpatient beds per 1,000 population	Hospital admission rates <sup>1</sup>	Inpatient days per capita	Average length of stay <sup>2</sup>	Hospital occupancy rates <sup>3</sup>	Average physician visits per capita
States.....	<sup>4</sup> 5.9	<sup>4</sup> 17.0	<sup>4</sup> 1.7	<sup>4</sup> 9.9	<sup>4</sup> 78.6	<sup>4</sup> 4.6
la.....	<sup>4</sup> 11.0	<sup>4</sup> 21.0	<sup>4</sup> 3.2	<sup>4</sup> 7.4	<sup>4</sup> 79.5	<sup>4</sup> 6.4
.....	10.8	20.7	3.4	16.3	66.6	(NA)
n.....	<sup>4</sup> 9.5	<sup>4</sup> 13.9	<sup>4</sup> 2.8	<sup>4</sup> 13.5	<sup>4</sup> 81.6	<sup>4</sup> 7.1
l.....	<sup>4</sup> 8.9	<sup>4</sup> 14.7	<sup>4</sup> 2.1	<sup>4</sup> 13.3	<sup>4</sup> 63.3	<sup>4</sup> 5.5
rk.....	7.4	<sup>4</sup> 19.2	<sup>4</sup> 2.2	<sup>4</sup> 11.9	<sup>4</sup> 78.6	<sup>4</sup> 8.4
l.....	<sup>4</sup> 15.5	20.9	4.8	<sup>4</sup> 22.2	<sup>4</sup> 64.7	3.4
.....	11.6	11.8	3.1	14.1	73.2	4.7
.....	<sup>4</sup> 6.2	<sup>4</sup> 11.9	1.6	<sup>4</sup> 13.0	<sup>4</sup> 71.2	<sup>4</sup> 5.3
l.....	<sup>4</sup> 11.1	<sup>4</sup> 20.2	<sup>4</sup> 3.9	<sup>4</sup> 18.0	<sup>4</sup> 97.0	<sup>4</sup> 4.9
.....	<sup>4</sup> 9.7	<sup>4</sup> 17.6	<sup>4</sup> 1.6	<sup>4</sup> 9.0	<sup>4</sup> 60.1	<sup>4</sup> 6.0
.....	7.7	15.4	2.2	12.0	78.1	<sup>4</sup> 8.3
.....	12.1	6.7	3.7	55.1	63.8	<sup>4</sup> 14.2
bourg.....	13.0	18.1	3.7	21.0	76.4	(NA)
lands.....	12.0	11.8	4.0	<sup>4</sup> 34.1	91.5	<sup>4</sup> 3.2
eland.....	9.9	15.7	2.7	12.4	74.8	<sup>4</sup> 3.6
y.....	6.5	14.9	<sup>4</sup> 2.0	<sup>4</sup> 13.0	<sup>4</sup> 77.5	4.5
al.....	<sup>4</sup> 5.1	<sup>4</sup> 9.6	<sup>4</sup> 1.4	<sup>4</sup> 14.4	<sup>4</sup> 74.5	<sup>4</sup> 3.6
.....	<sup>4</sup> 5.4	<sup>4</sup> 9.2	<sup>4</sup> 1.3	<sup>4</sup> 14.6	<sup>4</sup> 66.0	<sup>4</sup> 4.7
n.....	14.0	19.2	4.6	22.7	94.0	2.7
riand.....	<sup>4</sup> 11.5	<sup>4</sup> 12.8	<sup>4</sup> 3.1	<sup>4</sup> 25.4	<sup>4</sup> 73.7	<sup>4</sup> 5.6
Kingdom.....	<sup>4</sup> 8.1	<sup>4</sup> 12.7	<sup>4</sup> 2.4	<sup>4</sup> 18.6	<sup>4</sup> 81.4	4.2
Germany.....	<sup>4</sup> 11.1	<sup>4</sup> 18.1	<sup>4</sup> 3.4	<sup>4</sup> 18.7	<sup>4</sup> 84.1	(NA)

Not available.   <sup>1</sup> Number of persons admitted as percent of population.   <sup>2</sup> Number of inpatient days per inpatient ion.   <sup>3</sup> Inpatient days per capita multiplied by population divided by (365 multiplied by number of beds).   <sup>4</sup> 1981 data. NO data.   <sup>5</sup> 1982 data.   <sup>6</sup> 1978 data.

ce: Organization for Economic Cooperation and Development, Paris, France, *Financing and Delivering Health Care*, 1987. *Measuring Health Care, 1980-1983, 1985*.

## No. 1385. HEALTH EXPENDITURES AND EMPLOYMENT—SELECTED COUNTRIES: 1980 AND 1984

(G.D.P. = gross domestic product; for explanation, see text, section 14. For explanation of purchasing power parities, see text, section 31)

COUNTRY	TOTAL HEALTH EXPENDITURES					PUBLIC HEALTH EXPENDITURES, 1984						Health care employment as percent of total employment, 1984
	Percent of G.D.P.		Per capita, 1980 on basis of—			Percent of gross domestic product	Percent of total health expenditures <sup>1</sup>	Percent distribution				
	1980	1984	Ex-change rates	G.D.P. purchasing power parities	Health purchasing power parities			Institutional care	Ambulatory care	Pharmaceutical	Other	
United States	9.5	10.7	\$1,087	\$1,087	\$800	4.4	41.4	82.4	15.1	1.5	21.0	<sup>2</sup> 5.3
Australia	7.4	7.8	(NA)	(NA)	(NA)	6.8	84.5	<sup>3</sup> 47.6	<sup>4</sup> 18.1	<sup>5</sup> 6.2	<sup>6</sup> 28.1	<sup>7</sup> 6.9
Austria	7.0	7.2	718	803	828	4.4	80.9	<sup>3</sup> 25.2	20.3	9.9	<sup>6</sup> 44.7	<sup>7</sup> 5.4
Belgium	8.1	8.2	747	586	675	5.7	91.8	<sup>3</sup> 21.0	<sup>4</sup> 37.7	<sup>5</sup> 11.8	<sup>6</sup> 28.5	<sup>7</sup> 4.5
Canada	7.3	8.4	787	853	883	6.2	74.4	59.3	<sup>4</sup> 21.2	<sup>5</sup> 2.7	<sup>6</sup> 11.5	<sup>7</sup> 4.8
Denmark	8.8	8.3	870	867	865	5.3	83.4	73.9	22.0	<sup>5</sup> 4.8	-	<sup>7</sup> 4.9
Finland	8.3	8.8	677	559	853	5.4	78.8	<sup>3</sup> 55.2	<sup>4</sup> 28.1	5.9	<sup>6</sup> 10.7	<sup>7</sup> 5.9
France	8.5	9.1	1,036	837	841	6.5	71.2	59.5	<sup>4</sup> 22.8	13.1	<sup>6</sup> 7.9	<sup>7</sup> 4.4
Greece	4.2	4.6	175	211	289	3.8	79.3	<sup>3</sup> 49.5	<sup>4</sup> 13.4	<sup>5</sup> 14.8	<sup>6</sup> 22.3	<sup>7</sup> 2.1
Iceland	6.9	7.9	(NA)	(NA)	(NA)	6.5	82.7	(NA)	(NA)	(NA)	(NA)	(NA)
Ireland	8.5	8.0	480	510	509	6.9	86.9	<sup>3</sup> 73.4	<sup>4</sup> 11.5	<sup>5</sup> 7.0	<sup>6</sup> 9.7	<sup>7</sup> 6.3
Italy	6.8	7.2	479	541	630	6.1	84.1	55.3	<sup>4</sup> 27.8	13.0	<sup>6</sup> 4.6	<sup>7</sup> 2.8
Japan	6.4	6.8	509	537	832	4.8	72.1	(NA)	(NA)	(NA)	(NA)	<sup>7</sup> 2.9
Luxembourg	8.7	<sup>8</sup> 6.4	845	714	806	(NA)	(NA)	<sup>3</sup> 32.5	<sup>4</sup> 21.5	(NA)	(NA)	(NA)
Netherlands	8.2	8.6	983	773	885	6.8	78.3	89.3	<sup>4</sup> 22.2	7.2	<sup>6</sup> 3.7	<sup>7</sup> 7.2
New Zealand	5.7	5.6	(NA)	(NA)	(NA)	4.4	78.4	<sup>3</sup> 89.2	<sup>4</sup> 8.1	12.3	<sup>6</sup> 12.3	<sup>7</sup> 6.7
Norway	8.8	8.3	983	772	1,071	5.8	88.8	<sup>3</sup> 89.8	<sup>4</sup> 15.3	<sup>5</sup> 7.2	<sup>6</sup> 7.9	<sup>7</sup> 10.3
Portugal	6.9	5.5	151	238	375	3.9	71.1	<sup>3</sup> 46.3	<sup>4</sup> 20.7	<sup>5</sup> 20.3	<sup>6</sup> 12.7	<sup>7</sup> 2.6
Spain	5.9	5.8	334	376	405	4.2	72.3	<sup>3</sup> 42.5	<sup>4</sup> 16.7	<sup>5</sup> 15.8	<sup>6</sup> 25.7	<sup>7</sup> 3.3
Sweden	9.5	9.4	(NA)	(NA)	(NA)	6.8	81.4	<sup>3</sup> 72.8	<sup>4</sup> 10.2	<sup>5</sup> 4.9	<sup>6</sup> 12.3	<sup>7</sup> 7.9
Switzerland	7.2	<sup>8</sup> 7.8	(NA)	(NA)	(NA)	(NA)	(NA)	<sup>3</sup> 55.2	-	(NA)	(NA)	<sup>7</sup> 8.8
United Kingdom	5.6	5.9	530	486	653	5.3	86.9	<sup>3</sup> 59.7	<sup>4</sup> 11.2	<sup>5</sup> 10.3	<sup>6</sup> 20.0	<sup>7</sup> 3.5
West Germany	7.9	8.1	1,085	818	825	6.4	78.2	<sup>3</sup> 43.0	<sup>4</sup> 25.5	<sup>5</sup> 18.2	<sup>6</sup> 12.3	<sup>7</sup> 2.2

- Represents zero. NA: Not available. <sup>1</sup> Preliminary estimates. <sup>2</sup> 1983 data. <sup>3</sup> 1982 data. <sup>4</sup> 1981 data. <sup>5</sup> 1980 data. <sup>6</sup> Includes part-time and large number employed in social services. <sup>7</sup> 1979 data.

Source: Organization for Economic Cooperation and Development, Paris, France, *Financing and Delivering Health Care, 1987*

## No. 1386. PUBLIC EXPENDITURE FOR EDUCATION AND ILLITERACY, BY SELECTED COUNTRY

[Expenditure includes both capital and current expenditures on public education and subsidized private education. Illiteracy: Defined as inability both to read and write in any, or a specified, language. See text, section 31, for general comments concerning the data. For additional qualifications for individual countries, see source.]

COUNTRY	PUBLIC EXPENDITURE FOR EDUCATION			Percent of adult population illiterate, <sup>1</sup> 1985	COUNTRY	PUBLIC EXPENDITURE FOR EDUCATION			Percent of adult population illiterate, <sup>1</sup> 1985
	Year	Percent of total public expenditure	Percent of gross national product			Year	Percent of total public expenditure	Percent of gross national product	
United States	1983	(NA)	5.8	(NA)	Mexico	1985	(NA)	<sup>2</sup> 2.8	<sup>3</sup> 9.7
Algeria	1982	6.4	(NA)	75.3	Morocco	1983	22.0	7.9	85.9
Argentina	1986	<sup>4</sup> 14.6	(NA)	50.4	Nepal	1985	10.8	3.0	74.4
Australia	1984	13.2	6.5	(NA)	Netherlands	1984	(NA)	6.9	(NA)
Bangladesh	1985	(NA)	<sup>5</sup> 1.9	89.9	Nigeria	1986	<sup>6</sup> 12.0	(NA)	57.8
Brazil	1984	<sup>4</sup> 16.6	<sup>5</sup> 2.8	22.3	Pakistan	1985	(NA)	2.1	79.4
Burma	1977	12.2	1.8	(NA)	Peru	1984	(NA)	2.9	19.2
Canada	1985	12.7	7.2	(NA)	Philippines	1985	(NA)	1.3	14.9
Chile	1985	15.3	4.4	<sup>7</sup> 5.8	Poland	1985	<sup>8</sup> 11.8	<sup>9</sup> 4.7	<sup>10</sup> 16.6
China, Mainland	1985	(NA)	2.9	30.7	Portugal	1983	11.5	4.2	<sup>11</sup> 16.6
Colombia	1985	(NA)	<sup>12</sup> 2.8	11.9	Romania	1984	(NA)	2.1	(NA)
Czechoslovakia	1985	7.9	<sup>13</sup> 5.1	(NA)	Saudi Arabia	1985	(NA)	8.9	(NA)
East Germany	1985	(NA)	<sup>14</sup> 6.4	(NA)	South Korea	1985	28.2	4.8	(NA)
Egypt	1985	11.5	5.2	55.5	Soviet Union	1984	10.2	(NA)	(NA)
Ethiopia	1985	6.0	3.8	<sup>15</sup> 44.8	Spain	1985	14.2	3.3	6.6
France	1982	(NA)	5.8	(NA)	Sri Lanka	1985	(NA)	3.1	12.9
Ghana	1985	(NA)	2.3	46.8	Sudan	1980	8.1	4.8	(NA)
Hungary	1985	8.2	7.0	(NA)	Syria	1985	11.8	5.9	40.0
India	1985	9.4	3.7	58.5	Tanzania	1985	<sup>16</sup> 18.0	<sup>17</sup> 4.3	(NA)
Indonesia	1981	9.5	2.0	25.9	Thailand	1983	21.1	2.8	8.6
Iran	1985	17.2	(NA)	49.2	Turkey	1985	(NA)	2.3	<sup>18</sup> 25.8
Iraq	1985	(NA)	3.8	<sup>19</sup> 10.7	Uganda	1983	(NA)	1.3	42.7
Italy	1983	9.6	5.7	<sup>20</sup> 3.0	United Kingdom	1984	11.9	5.2	(NA)
Japan	1983	18.7	6.8	(NA)	Venezuela	1985	21.9	6.8	11.4
Kenya	1985	(NA)	6.7	40.8	West Germany	1984	8.2	4.8	(NA)
Malaysia	1985	(NA)	6.6	24.6	Yugoslavia	1985	(NA)	3.8	8.6
					Zaire	1980	<sup>21</sup> 32.3	<sup>22</sup> 3.4	38.8
					Zimbabwe	1985	18.0	8.1	36.8

NA: Not available. <sup>1</sup> Population, 15 years old and over. Estimated by source, except as noted. <sup>2</sup> Expenditure of the Ministry of Basic and Secondary Education only. <sup>3</sup> Ministry of Education expenditures only. <sup>4</sup> Excludes expenditures of municipalities. <sup>5</sup> Estimates made by country itself. <sup>6</sup> Percent of net material product. <sup>7</sup> Current expenditures only. <sup>8</sup> Population, 10 years old and over. <sup>9</sup> Population, 15-45 years old. <sup>10</sup> Federal government expenditures only.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook 1987*.

# **No. 1987. GROSS NATIONAL PRODUCT IN CURRENT AND CONSTANT (1983) DOLLARS AND PER CAPITA: 1975 TO 1984**

[In billions of dollars, except per capita. For explanation of conversion to U.S. dollars, see headnote, table 1424. For explanation of gross national product (GNP), see text, section 14.]

COUNTRY	CURRENT DOLLARS						CONSTANT (1983) DOLLARS					
	1975	1980	1981	1982	1983	1984	1975	1980	1984	Per capita (dol.)		
										1975	1980	1984
United States	1,586.0	2,732.0	3,053.0	3,186.0	3,406.0	3,785.0	2,775.0	3,306.0	3,640.0	12,850	14,520	15,380
Algeria	1.6	2.7	2.6	2.6	3.6	(NA)	2.8	3.3	(NA)	201	214	(NA)
Argentina	17.2	33.9	38.6	43.0	47.6	52.0	28.6	41.1	50.3	2,180	2,347	2,347
Australia	36.4	57.1	56.1	56.0	59.7	63.3	63.3	66.1	61.2	2,426	2,440	2,024
Austria	30.4	52.6	55.9	61.6	66.7	69.5	52.6	63.7	67.2	8,990	8,432	8,892
Bangladesh	4.9	8.0	10.4	11.1	12.1	13.1	8.5	10.9	12.6	111	124	126
Belgium	41.1	67.4	71.8	77.7	81.2	85.3	71.4	81.6	82.5	7,265	7,265	6,372
Brazil	66.1	173.6	163.0	195.6	196.6	212.3	153.0	210.1	205.2	1,406	1,706	1,505
Bulgaria	28.2	42.8	48.2	52.9	54.0	57.7	48.0	51.8	55.6	5,615	5,650	6,231
Burma	2.2	4.3	5.0	5.6	6.1	6.6	3.9	5.2	6.4	129	157	177
Canada	152.3	254.6	264.2	290.5	313.8	340.6	264.4	306.1	326.4	11,630	12,800	13,100
Chile	8.4	17.4	19.6	17.4	18.1	19.5	14.6	21.1	18.9	1,432	1,914	1,597
China:												
Mainland <sup>1</sup>	96.5	161.0	205.2	237.0	272.4	321.1	167.5	219.0	310.5	162	223	302
Taiwan	15.1	35.8	40.9	45.2	51.0	56.5	26.2	43.3	56.6	1,626	2,433	2,969
Colombia	16.1	30.4	33.4	35.7	37.6	40.0	27.9	36.7	36.7	1,156	1,367	1,344
Czechoslovakia	62.0	99.6	108.7	117.9	124.4	132.7	107.5	120.8	126.3	7,280	7,904	8,000
East Germany	77.4	125.5	140.5	148.8	157.3	166.6	134.4	151.9	163.0	7,674	9,074	9,769
Egypt	11.3	25.3	29.3	32.6	35.8	38.0	19.5	30.7	36.7	526	726	769
Ethiopia	2.1	3.6	4.0	4.3	4.7	4.8	3.7	4.4	4.7	104	113	111
France	246.5	416.8	452.3	481.9	516.0	536.5	427.8	504.4	521.5	8,111	9,364	9,510
Ghana	34.3	52.2	54.3	54.6	55.1	61.2	56.6	63.1	59.2	5,653	5,821	4,692
Greece	16.5	26.4	31.6	33.7	35.0	37.0	26.6	35.6	35.7	3,165	3,695	3,613
Hungary	37.6	60.1	66.4	73.2	75.3	80.3	65.2	72.7	77.6	6,184	6,767	7,277
India	76.9	131.8	149.8	166.3	187.0	200.5	133.5	196.5	183.6	215	232	256
Indonesia	26.9	55.4	66.5	71.9	77.4	84.6	46.7	67.1	82.0	339	433	464
Iran <sup>1</sup>	75.2	113.4	119.6	136.1	157.6	156.6	130.4	137.2	153.5	3,906	3,541	3,504
Iraq <sup>1</sup>	17.8	49.8	30.5	31.5	31.6	34.5	30.5	60.4	33.3	2,743	4,601	3,600
Italy	166.9	266.1	318.0	337.9	352.1	373.1	294.9	367.1	360.7	5,306	6,326	6,330
Japan	476.9	877.9	967.3	1,062.0	1,161.0	1,292.0	627.6	1,062.0	1,249.0	7,419	9,066	10,410
Kenya	2.2	4.2	4.6	5.1	5.6	5.6	3.6	5.1	5.6	267	306	267
Madagascar	1.7	2.6	2.6	2.6	2.7	2.7	3.0	3.2	2.6	363	370	273
Malaysia	9.3	20.0	23.3	26.0	26.2	31.1	16.1	24.3	24.3	1,314	1,600	1,600
Mexico	57.8	112.4	130.1	133.5	133.1	144.2	100.4	139.4	139.4	1,634	1,941	1,796
Morocco	5.4	9.8	10.4	11.9	12.7	13.4	9.3	11.9	12.9	516	560	572
Mozambique	3.1	4.5	4.9	5.1	5.0	5.5	5.4	5.4	5.9	515	446	403
Nepal	1.2	1.9	2.2	2.4	2.5	2.7	2.0	2.3	2.6	151	151	159
Netherlands	67.7	110.6	116.6	125.1	132.4	139.3	117.5	133.6	134.6	8,006	9,462	9,336
Nigeria	41.7	71.8	73.4	75.8	73.8	72.0	72.4	66.6	66.6	639	665	697
North Korea <sup>1</sup>	9.0	15.5	16.6	20.5	21.6	23.0	15.6	16.6	22.2	965	1,046	1,139
Pakistan	10.9	21.5	25.0	27.6	31.3	33.6	18.9	25.0	32.7	253	306	336
Peru	10.9	17.3	19.5	20.9	18.9	20.3	16.9	20.9	19.6	1,246	1,207	1,021
Philippines	13.6	26.5	29.6	32.2	34.1	32.9	23.7	32.0	31.6	532	634	572
Poland	122.6	183.6	190.7	200.8	216.9	235.2	212.6	222.2	227.4	6,265	6,245	6,169
Portugal	8.9	16.0	17.2	16.7	19.6	18.6	15.4	19.4	18.9	1,636	1,975	1,694
Romania	50.6	89.1	97.9	106.9	111.1	120.6	66.2	107.6	116.6	4,151	4,654	5,149
South Africa	37.9	62.3	70.6	75.2	76.6	83.7	66.6	75.4	80.9	2,582	2,625	2,553
South Korea	24.9	50.0	57.6	65.0	75.0	85.3	42.5	60.5	82.5	1,156	1,529	1,963
Soviet Union	941.0	1,529.0	1,672.0	1,830.0	1,966.0	2,067.0	1,633.0	1,850.0	1,998.0	6,419	7,266	7,266
Spain	61.3	126.3	137.5	147.6	155.6	164.4	141.1	155.3	156.6	3,066	4,141	4,119
Sri Lanka	2.0	3.6	4.1	4.6	5.0	5.5	3.4	4.4	5.3	250	296	333
Sudan	3.0	5.2	5.7	6.4	6.5	6.5	5.2	6.3	6.3	322	329	291
Sweden	48.4	73.1	78.1	83.6	89.7	95.3	83.6	86.5	92.1	10,240	10,660	11,050
Switzerland	52.6	62.7	61.5	66.5	101.6	106.1	91.3	100.1	104.5	14,250	15,660	16,220
Syria	7.3	13.7	16.6	18.2	18.9	19.0	12.7	16.6	16.4	1,709	1,664	1,612
Tanzania	3.1	5.1	5.5	5.9	6.1	6.5	5.4	6.2	6.3	344	336	300
Thailand	13.6	28.0	31.7	36.1	39.1	42.6	24.2	33.6	41.2	573	722	814
Turkey	22.5	36.4	40.9	46.6	49.7	54.3	39.0	44.1	52.5	962	977	1,061
Uganda	4.1	4.6	5.2	6.1	6.7	7.3	7.1	5.5	7.0	642	434	434
United Kingdom	235.2	363.0	386.9	420.4	456.0	482.5	406.2	439.2	466.4	7,262	7,799	8,270
Venezuela	34.9	58.3	62.5	66.1	65.3	66.6	60.6	70.5	64.4	4,761	4,694	3,822
West Germany	316.3	542.0	585.1	618.6	655.9	697.2	546.0	655.9	674.0	8,679	10,650	11,020
Yugoslavia	20.6	36.9	42.3	45.6	46.6	49.2	25.7	47.0	47.6	1,671	2,106	2,071
Zaire	4.3	5.9	6.6	6.6	7.1	7.1	7.5	7.2	6.6	322	269	250

NA Not available. <sup>1</sup> Estimated.

Sources: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual. Data from International Bank for Reconstruction and Development and U.S. Central Intelligence Agency.

### NO. 1385. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—GROSS NATIONAL PRODUCT, 1960 TO 1986, AND CHANGE, 1980-1985 AND 1985-1986

[For interpretation of the absolute levels of GNP and per capita GNP, the market exchange rates used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. As a consequence, it should not be concluded, for instance, that the United Kingdom's individual standard of living in 1985 was only 58 percent of that of the U.S., as the statistics may imply. Minus sign (-) indicates decrease. For explanation of annual percent change, see Guide to Tabular Presentation]

COUNTRY	GROSS NATIONAL PRODUCT (GNP)					GNP PER CAPITA					Inflation rate, <sup>a</sup> 1985-1986 (per cent)
	Total in constant (1986) dollars (bil.)			Annual percent change		In constant (1986) dollars			Annual percent change		
	1960	1985	1986	1980-1985	1985-1986	1960	1985	1986	1980-1985	1985-1986	
United States	3,846.3	4,103.6	4,206.1	2.4	2.5	16,000	17,146	17,417	1.4	1.6	2.7
OECD Europe <sup>b</sup>	3,557.5	3,817.8	3,910.7	1.4	2.5	8,536	9,471	9,686	.9	2.0	5.3
Belgium	107.8	110.7	112.9	.5	2.0	10,944	11,185	11,408	.4	2.0	4.3
Denmark	67.7	75.6	77.4	2.2	2.3	13,213	14,798	15,107	2.3	2.1	4.0
France	656.7	696.9	710.2	1.2	2.0	12,166	12,621	12,622	.7	1.6	5.0
Greece	37.2	39.0	39.0	.9	-	3,860	3,930	3,914	.4	-.4	21.0
Ireland	21.3	22.1	22.4	.7	1.5	6,274	6,214	6,264	-.2	.8	7.0
Italy	488.6	490.3	502.8	.9	2.5	5,303	5,562	5,783	.8	2.3	7.8
Luxembourg	4.8	5.1	5.2	1.8	2.4	12,861	13,676	14,000	1.2	2.4	5.0
Netherlands	180.2	185.8	186.1	.7	1.5	11,327	11,439	11,547	.2	.9	.3
Portugal	26.2	28.3	27.4	.8	4.3	2,583	2,570	2,665	-.1	3.7	17.8
Spain	205.2	220.6	227.2	1.5	3.0	5,465	5,713	5,851	.9	2.4	10.8
United Kingdom	492.8	542.1	554.8	1.9	2.3	8,752	9,576	9,781	1.8	2.2	3.5
West Germany	819.3	877.1	901.8	1.4	2.8	13,309	14,373	14,769	1.6	2.8	3.0
Austria	85.4	92.6	94.7	1.8	2.3	11,315	12,242	12,524	1.6	2.3	3.5
Finland	59.8	68.2	69.2	2.7	1.5	12,506	13,914	14,037	2.2	.9	5.5
Iceland	3.1	3.2	3.4	.6	5.6	13,522	13,333	14,042	-.3	5.3	23.5
Norway	114.8	125.0	127.8	1.7	2.3	13,587	15,561	16,153	2.8	3.8	-2.3
Sweden	114.8	125.0	127.8	1.7	2.3	13,587	15,561	16,153	2.8	3.8	-2.3
Switzerland	130.4	139.4	142.2	1.3	2.0	20,626	21,547	21,876	.9	1.6	4.5
Turkey	41.9	53.3	57.4	4.9	7.8	943	1,061	1,142	2.8	5.8	30.0
Australia	132.0	152.8	154.8	2.9	1.3	9,976	9,686	9,678	1.5	-.1	7.2
Canada	301.7	340.3	350.5	2.4	3.0	12,549	13,413	13,686	1.3	2.0	2.5
Japan	1,810.4	1,949.6	1,994.4	3.9	2.3	13,786	16,146	16,416	3.2	1.7	2.3
New Zealand	21.1	24.8	24.8	3.3	-.8	5,794	7,637	7,575	2.4	-.8	12.0

- Represents zero. <sup>1</sup> National currency values converted into dollars by the average 1986 Market Rate, as published by the International Monetary Fund, Washington, DC. <sup>2</sup> GNP or GDP (Gross Domestic Product) implicit price deflators; totals weighted by 1986 (base year) OECD weights. <sup>3</sup> See text, section 31

Source: U.S. Department of State, Bureau of Intelligence and Research, *Economic Growth of OECD Countries, 1878-1986*, Report No. IFR 76 (Revised), 1987, and unpublished data.

### NO. 1386. GROSS DOMESTIC PRODUCT, TOTAL AND PER CAPITA, USING PURCHASING POWER PARITIES—SELECTED COUNTRIES: 1970 TO 1985

[The goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (PPP) instead of exchange rates is intended to achieve this objective. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further explanation of PPP, see text, section 31]

COUNTRY	GROSS DOMESTIC PRODUCT (bil. dol.)						GROSS DOMESTIC PRODUCT PER CAPITA (dollars)					
	1970	1975	1980	1983	1984	1985	1970	1975	1980	1983	1984	1985
United States.....	1,009.2	1,583.8	2,586.6	3,353.5	3,712.0	3,946.6	4,822	7,334	11,804	14,282	15,886	16,484
EEC, total <sup>1</sup> .....	816.0	1,487.8	2,486.4	3,008.9	3,185.6	3,377.9	3,022	4,776	7,831	9,400	9,863	10,587
Belgium.....	29.0	48.2	80.5	95.2	100.7	105.3	3,003	4,920	8,174	9,661	10,214	10,680
Denmark.....	17.5	27.0	44.1	54.5	58.5	62.7	3,545	5,344	8,813	10,686	11,450	12,254
France.....	162.7	276.0	470.6	574.8	605.6	631.3	3,204	5,275	8,735	10,503	11,021	11,446
Greece.....	13.8	24.7	44.0	52.8	56.2	59.7	1,564	2,730	4,567	5,344	5,877	6,001
Ireland.....	5.4	9.8	17.2	21.0	22.7	23.9	1,818	3,010	5,066	5,965	6,421	6,704
Italy.....	163.5	268.7	450.3	543.8	584.5	619.3	3,048	4,868	7,983	9,567	10,257	10,841
Luxembourg.....	1.3	2.1	3.4	4.2	4.6	4.9	3,780	6,888	9,444	11,574	12,676	13,429
Netherlands.....	46.2	75.9	124.5	146.2	155.7	163.2	3,543	5,554	8,786	10,173	10,795	11,269
Portugal.....	12.3	20.3	40.0	49.3	49.7	53.3	1,462	2,326	4,308	5,187	5,192	5,528
Spain.....	73.6	135.7	215.9	283.0	278.3	293.2	2,178	3,821	5,775	6,889	7,250	7,585
United Kingdom.....	181.7	284.0	443.8	544.8	577.6	618.0	3,265	5,051	7,881	9,664	10,225	10,815
West Germany.....	208.0	323.4	550.9	689.7	701.5	743.1	3,430	5,231	8,948	10,740	11,466	12,179
Australia.....	44.5	76.1	125.1	153.9	171.0	184.9	3,474	5,477	8,514	10,004	10,894	11,736
Austria.....	20.3	34.6	58.1	72.1	76.3	81.1	2,722	4,563	7,625	9,566	10,105	10,729
Canada.....	84.8	153.4	268.5	328.9	360.3	386.3	3,976	6,750	11,153	13,208	14,330	15,233
Finland.....	13.4	23.0	38.7	49.5	52.8	56.1	2,907	4,873	8,105	10,202	10,816	11,442
Japan.....	291.6	505.5	829.5	1,213.7	1,322.3	1,425.2	2,812	4,533	7,956	10,177	11,017	11,803
New Zealand.....	8.3	15.9	22.6	29.1	31.4	32.7	3,283	5,155	7,176	9,024	9,852	10,037
Norway.....	12.1	21.4	38.0	49.0	53.6	57.6	3,127	5,331	9,553	11,858	12,847	13,887
Sweden.....	31.0	49.3	76.1	92.8	100.1	105.5	3,848	6,084	9,156	11,148	12,009	12,888
Turkey.....	31.7	85.3	111.0	150.7	165.3	179.2	690	1,819	2,481	3,152	3,386	3,684

<sup>1</sup> European Economic Community.

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts of OECD Countries*, vol. I, annual.

**NO. 1300. FOOD AND BEVERAGE EXPENDITURES AS A PERCENT OF TOTAL PRIVATE CONSUMPTION  
EXPENDITURES—SELECTED COUNTRIES: 1964**

COUNTRY	Total	Food	Non- alco- holic bever- ages	Alco- holic bever- ages	COUNTRY	Total	Food	Non- alco- holic bever- ages	Alco- holic bever- ages
United States	13.8	11.8	.8	1.4	Switzerland	26.5	20.2	1.2	1.4
United Kingdom	17.1	14.5	.8	2.0	Italy	27.7	25.6	.3	1.8
Canada	17.4	13.4	1.7	3.3	Spain <sup>a</sup>	30.7	29.2	.4	1.1
Netherlands	17.6	15.0	.8	2.0	South Africa	32.8	26.4	1.4	5.0
France	20.4	17.9	.5	2.0	Mexico	35.0	31.7	1.1	2.2
Australia	20.8	15.5	1.3	5.0	Portugal <sup>b</sup>	35.9	33.1	.2	2.6
Austria	21.5	16.5	.8	2.4	Soviet Union <sup>c</sup>	36.6	25.6	1.0	10.0
Denmark	21.8	17.2	.6	3.9	Ireland <sup>d</sup>	37.3	23.8	1.3	12.2
West Germany	21.8	17.8	1.7	3.3	Yugoslavia <sup>e</sup>	37.7	31.2	1.5	5.0
Japan	21.8	18.9	1.8	1.3	South Korea	40.1	36.1	1.0	3.0
Sweden	22.8	16.8	.4	3.6	Greece	40.4	36.9	1.1	2.4
Belgium	23.3	19.1	1.1	3.1	Hungary <sup>f</sup>	41.4	27.9	1.5	12.0
Norway	24.1	20.0	.9	3.2	Poland <sup>g</sup>	50.2	36.8	1.0	11.4
Finland	24.6	20.1	.5	4.0	Philippines	54.1	51.7	1.7	1.7
World	25.5	23.1	1.8	.8	India	55.9	53.1	1.5	1.3

<sup>a</sup> Estimated. <sup>b</sup> Data for 1962. <sup>c</sup> Data for 1961. <sup>d</sup> Data for 1960. <sup>e</sup> Data for 1963.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data. Based on data from United Nations, New York, NY, *Yearbook of National Accounts Statistics*, 1965, vols. II and III; Organization for Economic Cooperation and Development, Paris, France, *National Accounts*, vol. II, 1972-84; and various country yearbooks.

**NO. 1301. PER CAPITA CONSUMPTION OF WHEAT AND RICE—SELECTED COUNTRIES: 1974 TO 1986**

[In kilograms per year. Averages of crop years beginning in year shown. Excludes feed use but includes seed and industrial use]

COUNTRY	WHEAT			RICE			COUNTRY	WHEAT			RICE		
	1974- 1976	1979- 1981	1986	1974- 1976	1979- 1981	1986		1974- 1976	1979- 1981	1986	1974- 1976	1979- 1981	1986
World	73.3	78.3	81.8	55.2	58.8	63.7	Developing—Con.						
Developed	91.7	90.8	88.1	16.5	16.2	17.4	Middle East	177.4	196.3	190.8	17.7	21.2	22.4
United States	83.2	84.2	87.3	6.9	8.9	6.9	Iraq	163.8	192.9	205.8	24.8	34.9	37.8
Western Europe	110.3	109.5	107.7	3.8	4.1	4.5	Turkey	232.7	265.1	254.8	4.7	4.9	5.2
Japan	49.9	50.3	50.2	94.9	87.4	80.7	South Asia	50.1	58.7	62.4	73.1	75.8	78.1
South Africa	83.9	82.8	81.3	2.9	4.3	5.7	India	49.2	50.0	57.1	88.8	72.5	76.8
Centrally planned	99.2	110.9	119.7	86.8	72.9	82.9	Pakistan	120.1	125.2	126.2	25.1	25.5	20.6
Eastern Europe	166.2	168.9	178.9	3.2	3.4	3.7	Other Asia	116.8	132.1	144.9	281.5	296.4	307.7
Soviet Union	233.5	228.6	196.4	5.9	8.1	6.3	Indonesia	8.0	8.5	8.7	116.6	133.9	145.8
China: Mainland	52.8	71.5	90.7	92.7	90.6	113.9	Thailand	2.1	4.0	3.8	180.2	171.2	163.8
Developing	49.6	54.7	57.7	62.3	65.9	68.9	North Africa	180.8	175.6	162.2	18.0	18.9	14.1
Latin America	57.8	58.4	57.9	25.9	29.4	29.7	Algeria	174.4	182.5	200.7	4	1.1	1.1
Mexico	45.3	46.1	42.7	5.3	5.2	5.3	Egypt	148.3	170.9	186.6	36.5	34.3	31.8
Brazil	48.2	52.8	64.5	44.2	49.5	50.7	Other Africa	10.7	13.7	15.4	12.9	16.7	15.4
							Nigeria	7.0	15.8	10.8	5.2	13.1	10.8
							Sudan	27.5	27.9	33.9	.4	.6	.9

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Agriculture, Situation and Outlook Report* (WAS-47), March 1987.

**NO. 1302. PER CAPITA CONSUMPTION OF BEEF, PORK, AND POULTRY—LEADING COUNTRIES: 1985**

[In pounds per capita, except as indicated. Beef, veal and pork quantities are in carcass-weight equivalents; poultry quantities are on ready-to-cook basis]

COUNTRY	BEEF AND VEAL		COUNTRY	PORK		COUNTRY	POULTRY	
	Quantity	Rank		Quantity	Rank		Quantity	Rank
Argentina	178.1	1	Hungary	175.7	1	Israel	85.0	1
Uruguay	148.4	2	East Germany	137.8	2	Saudi Arabia	79.8	2
United States	108.6	3	Denmark	124.1	3	United States	69.7	3
Canada	90.6	4	Czechoslovakia	114.8	4	United Arab Emirates	65.0	4
New Zealand	90.4	5	Austria	114.8	5	Hong Kong	64.8	5
Australia	90.4	6	West Germany	114.2	6	Kuwait	59.3	6
France	88.1	7	Belgium-Luxembourg	101.8	7	Canada	55.1	7
Switzerland	82.4	8	Hong Kong	101.4	8	Hungary	49.2	8
Paraguay	81.7	9	Switzerland	98.3	9	Australia	47.8	9
Soviet Union	81.1	10	Bulgaria	94.8	10	Spain	47.2	10
Italy	80.8	11	Poland	84.4	11	Venezuela	45.9	11
Belgium-Luxembourg	80.0	12	China: Taiwan	83.8	12	Iraq	44.3	12
Czechoslovakia	58.8	13	Netherlands	82.0	13	Romania	38.5	13
West Germany	51.1	14	France	76.9	14	China: Taiwan	38.2	14
Ireland	50.9	15	Romania	70.3	15	France	39.0	15
			United States	55.5	21			

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Income*, vol. VII, No. 7, July 1987



## No. 1393. PERCENT OF HOUSEHOLDS OWNING SELECTED APPLIANCES—SELECTED COUNTRIES: 1984

APPLIANCE	United States <sup>1</sup>	France	Italy	Netherlands	Poland	Soviet Union	Spain	Sweden	United Kingdom	West Germany	Yugoslavia
Clothes washer .....	73	83	82	80	(NA)	85	83	87	83	91	(NA)
Dishwasher .....	38	22	19	12	1	(NA)	9	28	6	21	(NA)
Freezer (separate) .....	37	33	39	47	(NA)	(NA)	13	66	80	53	47
Range:											
Electric .....	<sup>2</sup> 54	12	5	10	53	(NA)	92	83	40	73	88
Gas .....	<sup>2</sup> 45	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	88
Refrigerator .....	<sup>3</sup> 100	97	86	98	(NA)	85	84	86	88	82	82
Television set:											
Black and white .....	43	61	75	33	(NA)	38	84	(NA)	14	58	61
Color .....	88	88	45	84	(NA)	38	47	88	88	88	61

NA Not available. <sup>1</sup> Represents appliances possessed and generally used by the household (as of November). Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, August 1986.

<sup>2</sup> Includes refrigerator/freezers. <sup>3</sup> Stove-top burners only. Oven is considered a separate appliance.

Source: Except as noted, Euromonitor Publications Limited, London, England, *European Marketing Data and Statistics*, annual. (Copyright.)

## No. 1394. WORLD MOTOR VEHICLE REGISTRATIONS—SELECTED COUNTRIES: 1975 TO 1985

(In millions, except as indicated)

COUNTRY	1975	1980	1985			COUNTRY	1975	1980	1985		
			Total vehic- les <sup>1</sup>	Cars					Total vehic- les <sup>1</sup>	Cars	
				Num- ber	Persons per car					Num- ber	Persons per car
World, total <sup>2</sup>	327.5	411.1	487.5	314.7	13.0	Nigeria	.3	.9	1.3	6	188
United States	133.0	155.9	171.7	132.1	1.8	Pakistan	.3	.4	.5	4	245
Brazil	6.7	10.2	11.5	10.1	13.0	Philippines	.7	1.1	.5	.3	183
Canada	11.0	13.2	14.3	11.1	2.3	Poland	1.8	3.1	4.5	3.7	10.0
China: Mainland	7	8	2.9	.5	2,022	South Africa	3.0	3.5	4.2	2.8	11.0
France	17.9	21.7	24.1	21.3	2.6	South Korea	.2	.5	1.1	.6	77.0
India	1.4	1.5	3.7	1.5	525	Soviet Union	9.8	15.5	21.4	11.7	24.0
Italy	18.3	19.1	23.3	21.5	2.7	Spain	5.9	8.8	10.9	9.3	4.2
Japan	28.1	37.9	48.2	27.8	4.3	Thailand	.5	.9	1.2	.4	125
Mexico	5.3	4.8	7.2	5.2	15.0	Turkey	.7	1.1	1.5	1.0	51.0
						United Kingdom	16.4	17.4	19.3	18.8	3.0
						West Germany	19.5	24.8	27.8	28.1	2.3

<sup>1</sup> Includes trucks and buses, not shown separately. <sup>2</sup> Includes other countries, not shown separately.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *MVMA Motor Vehicle Facts & Figures*, annual.

## No. 1395. PERCENTAGE OF POPULATION SERVED BY WASTE WATER TREATMENT PLANTS—SELECTED COUNTRIES: 1970 TO 1985

(Primary: Removal of 20-30 percent of the biological oxygen demand (BOD) or more; Secondary: Removal of 80-90 percent of BOD or more; Tertiary: Removal of 95 percent of BOD or more)

COUNTRY	PERCENTAGE OF POPULATION SERVED, TOTAL				PRIMARY TREATMENT ONLY				PRIMARY AND SECONDARY AND/OR TERTIARY TREATMENT			
	1970	1975	1980	1985	1970	1975	1980	1985	1970	1975	1980	1985
United States <sup>1</sup>	42.0	<sup>2</sup> 67.0	70.0	<sup>3</sup> 74.0	(NA)	<sup>2</sup> 23.0	17.0	<sup>3</sup> 15.0	(NA)	<sup>2</sup> 44.0	53.0	<sup>3</sup> 58.0
Belgium	3.8	5.5	<sup>4</sup> 22.9	(NA)	-	-	-	(NA)	3.6	5.5	<sup>4</sup> 22.9	(NA)
Canada <sup>5</sup>	(NA)	<sup>2</sup> 48.0	58.0	57.0	(NA)	(NA)	13.0	10.0	(NA)	(NA)	43.0	47.0
France	40.0	(NA)	61.5	<sup>6</sup> 63.7	(NA)	(NA)	2.5	(NA)	(NA)	(NA)	59.0	(NA)
Italy	<sup>7</sup> 14.0	(NA)	30.0	(NA)	<sup>7</sup> 8.0	(NA)	(NA)	(NA)	<sup>7</sup> 6.0	(NA)	(NA)	(NA)
Japan	16.0	23.0	30.0	<sup>8</sup> 38.0	(NA)	(NA)	(NA)	(NA)	<sup>8</sup> 18.0	<sup>8</sup> 23.0	<sup>8</sup> 30.0	<sup>8</sup> 38.0
Netherlands	(NA)	45.0	68.0	<sup>9</sup> 81.0	(NA)	8.0	7.0	<sup>9</sup> 4.0	(NA)	37.0	61.0	<sup>9</sup> 77.8
Spain	(NA)	14.3	17.8	29.0	(NA)	7.0	8.8	13.2	(NA)	7.3	8.1	15.8
Sweden <sup>10</sup>	78.0	88.0	98.0	88.0	12.0	4.0	1.0	1.0	88.0	94.0	98.0	88.0
Switzerland	35.0	55.0	70.0	<sup>11</sup> 81.0	(NA)	(NA)	(NA)	(NA)	35.0	55.0	70.0	<sup>11</sup> 81.0
United Kingdom <sup>12</sup>	(NA)	(NA)	82.0	83.0	(NA)	(NA)	8.0	8.0	(NA)	(NA)	78.0	77.8
West Germany	<sup>11</sup> 61.8	<sup>11</sup> 74.8	61.8	<sup>11</sup> 88.5	<sup>11</sup> 20.5	<sup>11</sup> 18.4	10.2	<sup>11</sup> 7.5	<sup>11</sup> 41.3	<sup>11</sup> 58.4	71.8	<sup>11</sup> 78.0

- Represents zero. NA Not available. <sup>1</sup> Beginning 1980, data not comparable with 1970 and 1975 data and data for secondary treatment include 1 percent and 2 percent of non-discharge treatment. Primary treatment may provide some biological treatment. Secondary is preliminary treatment plus biological process with no additional treatment except disinfection. <sup>2</sup> 1978 data. <sup>3</sup> 1984 data. <sup>4</sup> 1976 data. <sup>5</sup> Secondary usually includes private treatment and includes waste stabilization ponds. Tertiary refers to secondary treatment with phosphorus removal. <sup>6</sup> 1983 data. <sup>7</sup> Estimated. <sup>8</sup> Data for secondary category may include data for primary treatment only. <sup>9</sup> Urban population only (85 percent of total). Primary: Removal of sediments; Secondary: Chemical or biological treatment; Tertiary: Chemical, biological and complementary treatment. <sup>10</sup> England and Wales only. Primary: Removal of gross solids; Secondary: Aerobic removal of organic material or bacteria; Tertiary: Removal of suspended solids following secondary treatment. <sup>11</sup> 1980 data.

Source: Organization for Economic Cooperation and Development, Paris, France, *Environmental Data Compendium, 1987*.

## 1986. COMMUNICATIONS—TELEPHONES, NEWSPAPERS, TELEVISION, AND RADIO, BY COUNTRY

[See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

AFTRY	Tele- phones per 100 popu- lation, <sup>1</sup> 1986	Daily news- paper circu- lation, copies per 1,000 popu- lation, <sup>2</sup> 1984	Tele- vision receivers per 1,000 popu- lation, <sup>3</sup> 1985	Radio receivers per 1,000 popu- lation, <sup>4</sup> 1985	COUNTRY	Tele- phones per 100 popu- lation, <sup>1</sup> 1986	Daily news- paper circu- lation, copies per 1,000 popu- lation, <sup>2</sup> 1984	Tele- vision receivers per 1,000 popu- lation, <sup>3</sup> 1985	Radio receivers per 1,000 popu- lation, <sup>4</sup> 1985
Albania	<sup>5</sup> 78.0	258	798	2,101	Japan	<sup>10</sup> 55.5	562	580	787
Algeria	<sup>5</sup> 3.5	27	72	221	Kenya	<sup>11</sup> 1.3	13	5	78
Angola	<sup>5</sup> 10.4	(NA)	213	554	Kuwait	<sup>5</sup> 15.4	197	235	274
Argentina	56.0	295	448	1,274	Lebanon	(NA)	(NA)	300	787
Australia	48.2	365	<sup>7</sup> 435	<sup>7</sup> 820	Luxembourg	<sup>12</sup> 41.2	(NA)	252	625
Austria	<sup>5</sup> 1	6	3	40	Madagascar	<sup>5</sup> 4	5	<sup>8</sup> 8	<sup>5</sup> 213
Azerbaijan	44.0	223	<sup>7</sup> 300	<sup>7</sup> 457	Malaysia	8.1	323	101	424
Bahamas	(NA)	50	68	581	Mexico	<sup>5</sup> 8.1	120	108	190
Bangladesh	8.4	57	184	391	Morocco	1.4	(NA)	52	175
Barbados	<sup>5</sup> 20.0	255	<sup>7</sup> 187	<sup>7</sup> 222	Netherlands	60.9	310	462	827
Belarus	<sup>5</sup> 1	74	1	81	New Zealand	<sup>10</sup> 64.5	<sup>5</sup> 325	<sup>7</sup> 290	904
Belgium	(NA)	(NA)	7	110	Nicaragua	<sup>5</sup> 1.8	47	58	244
Belize	<sup>5</sup> 65.4	220	518	883	Nigeria	<sup>5</sup> 3	<sup>8</sup> 8	5	85
Bhutan	8.3	<sup>5</sup> 115	145	332	Norway	<sup>5</sup> 82.2	501	<sup>7</sup> 330	780
Bolivia					Pakistan	<sup>5</sup> 6	(NA)	13	80
Bosnia and Herzegovina	8	29	9	113	Panama	10.4	<sup>5</sup> 61	180	183
Brazil	<sup>5</sup> 27.7	(NA)	(NA)	(NA)	Paraguay	<sup>5</sup> 2.6	(NA)	23	163
Bulgaria	7.0	(NA)	96	139	Peru	3.2	(NA)	76	203
Burkina Faso	12.3	72	77	85	Philippines	1.5	(NA)	28	85
Burundi	5.1	144	107	327	Poland	11.3	214	<sup>7</sup> 255	<sup>7</sup> 271
Cambodia	40.5	118	132	284	Portugal	18.0	<sup>5</sup> 49	<sup>7</sup> 157	212
Cameroon	23.1	298	<sup>7</sup> 290	<sup>7</sup> 272	Puerto Rico	<sup>5</sup> 20.3	59	246	988
Canada	78.3	359	<sup>7</sup> 388	<sup>7</sup> 418	Romania	(NA)	158	<sup>7</sup> 173	<sup>7</sup> 141
Chad					Saudi Arabia	11.8	(NA)	289	321
Chile	<sup>5</sup> 2.9	30	80	180	Singapore	<sup>10</sup> 41.7	277	<sup>7</sup> 195	<sup>7</sup> 281
China	21.8	550	<sup>7</sup> 383	<sup>7</sup> 598	South Africa	<sup>10</sup> 14.3	(NA)	83	308
Colombia	3.6	<sup>5</sup> 84	84	293	South Korea	18.6	(NA)	187	937
Costa Rica	2.4	<sup>5</sup> 42	82	256	Soviet Union	11.3	422	296	958
Croatia	<sup>5</sup> 2.4	(NA)	63	342	Spain	36.3	80	270	298
Cuba	<sup>5</sup> 3	1	2	184	Sri Lanka	<sup>5</sup> 7	<sup>5</sup> 111	28	155
Cyprus	81.7	535	470	988	Sudan	<sup>5</sup> 4	5	51	251
Czech Republic	80.8	<sup>5</sup> 212	394	879	Sweden	<sup>5</sup> 89.0	521	<sup>7</sup> 380	888
Democratic Republic of Congo	<sup>5</sup> 6	35	10	184	Switzerland	83.2	382	400	821
Denmark	<sup>5</sup> 35.5	(NA)	<sup>7</sup> 174	405	Syria	5.9	(NA)	57	238
Dominican Republic	1.8	(NA)	26	44	Thailand	1.5	(NA)	87	175
Dominica	<sup>5</sup> 1.1	<sup>5</sup> 51	84	388	Trinidad and Tobago	<sup>5</sup> 9.6	151	270	321
Ecuador	42.4	(NA)	238	588	Tunisia	3.7	38	58	218
Egypt	14.0	284	397	574	Turkey	6.7	(NA)	148	130
El Salvador	<sup>5</sup> 82.5	489	<sup>7</sup> 305	<sup>7</sup> 817	United Kingdom	<sup>10</sup> 52.4	414	437	1,016
Equatorial Guinea	14.5	<sup>5</sup> 21	5	66	Uruguay	12.8	(NA)	185	588
Eritrea	<sup>5</sup> 3	15	39	117	Venezuela	8.3	<sup>5</sup> 186	130	422
Estonia	<sup>11</sup> 5.4	22	55	224	West Germany	82.1	350	<sup>7</sup> 373	<sup>7</sup> 430
Ethiopia	<sup>5</sup> 4.3	(NA)	57	189	Yugoslavia	<sup>5</sup> 13.2	114	176	183
Fiji	26.5	186	252	568	Zimbabwe	3.2	22	14	43
Finland	<sup>10</sup> 36.5	(NA)	258	470					
France	<sup>10</sup> 44.8	96	<sup>7</sup> 253	<sup>7</sup> 259					
Gabon	<sup>5</sup> 6.0	45	92	385					

Not available. <sup>1</sup> As of December 31, except as noted. Comprises public and private telephones installed which can be tied to a central exchange. <sup>2</sup> Publications containing general news and appearing at least 4 times a week; may range in size from a single sheet to 50 or more pages. Circulation data refer to average circulation per issue or number of printed copies per issue, including copies sold outside the country. <sup>3</sup> Estimated number of sets in use, except as noted. <sup>4</sup> Data cover estimated number of receivers in use, except as noted, and apply to all types of receivers for radio broadcasts to the public, including those connected to a radio "redistribution system" but excluding television sets. <sup>5</sup> For 1984. <sup>6</sup> For 1983. <sup>7</sup> Number of sets in use. <sup>8</sup> For 1982. <sup>9</sup> For 1980. <sup>10</sup> As of March 31. <sup>11</sup> As of March 21. <sup>12</sup> Includes San Marino. <sup>13</sup> For

Source: Except Taiwan, Statistical Office of the United Nations, New York, NY, *Statistical Yearbook* (copyright), and United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright); Taiwan, U.S. Bureau of the Census, *Statistical Yearbook* (copyright). <sup>1</sup> Data from Republic of China publications.

## No. 1397. TAX REVENUES—SELECTED COUNTRIES: 1975 TO 1985

(Covers national and local taxes and Social Security contributions. GDP=Gross domestic product; see text, section 14)

COUNTRY	TAX REVENUES, 1986		PERCENT CHANGE IN TOTAL TAX REVENUE AS EXPRESSED IN NATIONAL CURRENCY					TAX REVENUES AS PERCENT OF GDP				
	Total (bil. dol.)	Per capita (dol.)	1975-1980	1980-1985	1982-1983	1983-1984	1984-1985	1975	1980	1983	1984	1985
United States.....	1,134.1	4,740	76.7	46.5	.5	11.1	9.8	29.0	29.5	28.4	28.4	29.2
Australia.....	50.6	3,213	80.0	80.0	9.4	18.8	10.7	27.9	29.2	29.1	30.5	30.3
Austria.....	28.1	3,714	81.5	41.8	5.7	9.8	7.3	36.8	41.2	41.1	42.1	42.5
Belgium.....	38.0	3,854	81.5	47.1	6.0	9.8	7.5	41.1	43.6	45.5	46.5	46.9
Canada.....	117.3	4,821	75.5	58.5	8.2	9.2	6.8	32.4	31.6	33.0	33.2	33.1
Denmark.....	28.5	5,573	90.1	77.6	15.2	12.9	12.3	41.4	45.5	46.5	48.0	46.2
Finland.....	20.2	4,116	74.0	96.2	11.7	17.7	12.7	35.3	33.3	34.4	36.1	37.3
France.....	232.5	4,216	116.6	77.4	12.3	11.1	7.2	37.4	42.6	44.6	45.5	45.9
Greece.....	11.7	1,178	196.7	230.5	25.3	29.8	21.8	24.6	28.6	33.3	34.9	35.1
Italy.....	148.6	2,565	222.0	138.2	24.1	11.5	10.6	25.1	30.0	35.9	35.1	34.7
Japan.....	375.2	3,107	95.7	43.3	6.3	7.4	6.0	20.9	25.5	27.2	27.4	28.0
Netherlands.....	68.2	3,879	80.8	20.8	6.2	1.1	3.8	43.7	45.8	46.7	45.2	45.0
New Zealand.....	7.5	2,304	120.1	98.7	3.5	13.6	16.6	31.3	33.0	33.1	33.0	34.3
Norway.....	27.7	6,668	101.4	77.1	7.9	10.7	14.7	44.8	47.1	46.6	45.6	47.8
Portugal.....	6.5	676	286.4	207.9	31.6	19.9	22.8	24.7	28.7	33.1	32.2	31.1
Spain.....	47.3	1,226	210.3	119.8	22.9	18.4	9.6	19.6	24.1	27.9	29.2	28.6
Sweden.....	50.6	6,064	96.4	68.1	13.9	11.3	9.7	43.9	49.4	50.6	50.3	50.5
Switzerland.....	29.7	4,554	26.3	39.4	5.9	7.1	6.0	29.6	30.8	31.6	32.3	32.1
United Kingdom.....	171.3	3,025	116.4	64.3	4.6	7.9	8.9	36.4	35.3	37.9	36.4	38.1
West Germany.....	236.0	3,889	53.2	23.7	4.6	5.3	5.6	35.7	36.0	37.3	37.5	37.6

## No. 1398. PERCENT DISTRIBUTION OF TAX RECEIPTS BY TYPE OF TAX—SELECTED COUNTRIES: 1975 TO 1985

COUNTRY AND YEAR	Total <sup>1</sup>	INCOME AND PROFITS TAXES <sup>2</sup>			SOCIAL SECURITY CONTRIBUTIONS			TAXES ON GOODS AND SERVICES <sup>3</sup>		
		Total <sup>4</sup>	Individual	Corporate	Total <sup>5</sup>	Employees	Employers	Total <sup>6</sup>	General consumption taxes <sup>7</sup>	Taxes on specific goods, services <sup>8</sup>
United States: 1975.....	100.0	43.6	32.6	10.8	24.6	9.9	13.9	16.5	6.7	9.6
1980.....	100.0	47.0	36.9	10.2	26.2	10.0	15.5	16.6	6.6	7.9
1985.....	100.0	42.8	35.7	7.1	29.4	11.1	17.3	17.7	7.4	7.9
Canada: 1975.....	100.0	47.3	32.6	13.8	10.1	3.7	6.1	32.0	12.6	13.6
1980.....	100.0	46.6	34.1	11.6	10.5	3.7	6.6	32.6	11.6	13.0
1985.....	100.0	44.3	36.6	6.2	13.3	4.7	6.5	31.5	13.2	12.6
France: 1975.....	100.0	17.6	12.2	5.3	40.6	6.6	29.6	32.9	23.3	6.6
1980.....	100.0	18.0	12.6	5.0	43.1	11.5	28.9	30.1	21.0	6.2
1985.....	100.0	17.1	12.7	4.3	43.6	12.2	26.2	29.4	19.9	6.7
Italy: 1975.....	100.0	21.5	15.2	6.3	45.9	9.0	36.8	29.4	14.3	14.0
1980.....	100.0	31.1	23.1	7.8	36.0	6.9	28.4	26.6	15.6	9.7
1985.....	100.0	38.8	26.7	9.2	34.7	6.8	24.8	25.4	14.5	9.1
Japan: 1975.....	100.0	44.6	23.9	20.6	29.0	10.8	15.1	17.3	-	15.1
1980.....	100.0	46.1	24.3	21.6	29.1	10.2	14.8	16.3	-	14.1
1985.....	100.0	45.6	24.8	21.0	30.2	10.7	15.4	14.0	-	12.1
Netherlands: 1975.....	100.0	34.8	27.1	7.7	36.4	16.4	17.6	24.2	14.4	6.1
1980.....	100.0	32.8	26.3	6.6	36.1	15.7	17.8	25.2	15.9	7.3
1985.....	100.0	28.5	19.5	7.0	43.9	19.0	17.5	25.6	16.3	7.3
Sweden: 1975.....	100.0	50.5	46.1	4.3	19.5	-	18.3	24.3	12.0	10.7
1980.....	100.0	43.5	41.0	2.5	28.6	-	27.6	24.0	13.4	9.2
1985.....	100.0	42.0	36.5	3.5	24.6	-	23.7	26.4	13.9	11.4
United Kingdom: 1975.....	100.0	44.5	37.9	6.7	17.4	6.6	10.3	25.4	9.9	14.6
1980.....	100.0	37.8	29.4	8.4	16.6	6.4	9.8	29.3	14.5	13.2
1985.....	100.0	36.9	26.0	12.0	17.5	6.1	8.6	31.6	15.9	13.9
West Germany: 1975.....	100.0	34.7	30.2	4.5	33.5	14.2	18.5	27.1	14.7	10.6
1980.....	100.0	35.1	29.6	5.5	34.4	15.3	18.5	27.1	16.6	9.3
1985.....	100.0	34.6	28.7	6.1	36.5	15.8	19.0	25.6	15.6	8.7

- Represents zero. <sup>1</sup> Includes property taxes, employer payroll taxes other than social security contributions, and miscellaneous taxes, not shown separately. <sup>2</sup> Includes taxes on capital gains. <sup>3</sup> Includes other taxes, not shown separately. <sup>4</sup> Includes contributions of self-employed, not shown separately. <sup>5</sup> Taxes on the production, sales, transfer, leasing, and delivery of goods and services and rendering of services. <sup>6</sup> Primarily value-added and sales taxes. <sup>7</sup> For example, excise taxes on alcohol, tobacco, and gasoline.

Source of tables 1397 and 1398: Organization for Economic Cooperation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

### No. 1396. EMPLOYEE-EMPLOYER PAYROLL TAX RATES FOR SOCIAL SECURITY PROGRAMS— SELECTED COUNTRIES: 1980 TO 1985

(In percent. Covers old-age, disability and survivors insurance, public health or sickness insurance, workers' compensation, unemployment insurance, and family allowance programs)

COUNTRY	ALL SOCIAL SECURITY PROGRAMS					OLD-AGE, DISABILITY AND SURVIVORS INSURANCE				
	1980, total	1984, total	1985			1980, total	1984, total	1985		
			Total	Em- ployer	Em- ployee			Total	Em- ployer	Em- ployee
United States	18.81	18.80	18.80	11.85	7.05	10.18	11.40	11.40	5.70	5.70
Canada	8.44	9.12	9.24	5.09	4.15	3.80	3.80	3.80	1.80	1.80
France	48.45	50.75	51.33	37.81	13.72	12.80	14.00	14.00	8.20	5.80
Italy	55.02	55.91	55.91	47.81	8.30	24.46	24.38	24.38	17.21	7.15
Japan	20.57	22.94	25.50	14.50	11.00	9.10	10.80	12.40	8.20	6.20
Sweden	32.43	30.58	31.88	31.58	11	20.80	19.85	19.85	19.85	—
United Kingdom	20.45	20.45	19.45	10.45	9.00	(NA)	(NA)	(NA)	(NA)	(NA)
West Germany	34.00	35.80	34.30	18.40	15.80	18.00	18.50	18.70	9.35	9.35

— Represents zero. NA Not available. <sup>1</sup> Excludes work-injury compensation program. <sup>2</sup> Disability and survivors benefits financed through sickness insurance. <sup>3</sup> Excludes termination indemnity.

Source: U.S. Social Security Administration, Office of International Policy, unpublished data.

### No. 1400. CONSUMER PRICES—ANNUAL PERCENT CHANGES, BY COUNTRY: 1981 TO 1986

(See text, section 31, for general comments concerning the data. For additional qualifications of the data for individual countries, see source. Minus sign (—) indicates decrease. NA Not available)

COUNTRY	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	COUNTRY	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986
United States	6.2	3.2	4.3	3.8	1.9	Malaysia	5.8	3.7	3.9	3	.7
Argentina	184.8	343.8	628.7	672.1	90.1	Mexico	58.9	101.8	85.5	57.7	88.2
Australia	11.1	10.1	4.0	6.7	9.1	Netherlands	5.9	2.8	3.3	2.2	.2
Austria	5.4	3.3	5.7	3.2	1.7	Nigeria	7.7	23.2	39.8	5.5	1.1
Bangladesh	12.5	9.4	10.5	10.7	11.0	Norway	11.4	8.4	6.3	5.7	7.2
Belgium	8.7	7.7	6.3	4.9	1.3	Pakistan	5.9	8.2	6.8	5.8	3.7
Bolivia	133	289	1,261	11,750	(NA)	Peru	84.4	111.2	110.2	183.4	77.9
Brazil	88.0	142.1	197.0	226.8	145.2	Philippines	10.2	10.0	50.3	23.1	.8
Canada	10.6	5.8	4.3	4.0	4.2	Portugal	22.7	25.1	28.9	19.6	11.8
Chile	9.9	27.3	19.9	30.7	19.5	Romania	16.9	5.2	1.1	- 4	- 1
Colombia	24.5	19.8	16.1	24.0	18.8	South Africa	14.7	12.3	11.7	16.2	18.6
Ecuador	16.3	48.4	31.2	28.0	23.0	South Korea	7.3	3.4	2.3	2.5	2.3
Egypt	14.8	18.1	17.1	13.3	22.6	Spain	14.4	12.2	11.3	8.8	8.8
France	11.8	9.6	7.4	5.8	2.5	Sri Lanka	10.8	14.0	18.8	1.5	8.0
Ghana	22.3	122.9	38.7	10.3	24.8	Sweden	8.6	8.8	8.0	7.4	4.2
Greece	21.0	20.2	18.4	19.3	23.0	Switzerland	5.7	3.0	2.9	3.4	.8
Guatemala	.3	4.5	3.4	18.7	36.9	Thailand	5.3	3.7	.9	2.4	1.8
India	7.9	11.8	8.3	5.6	8.7	Turkey	30.8	32.9	48.4	45.0	34.6
Indonesia	9.5	11.8	10.5	4.7	5.8	United Kingdom	8.6	4.6	5.0	6.1	3.5
Iran	18.7	19.7	12.5	4.4	(NA)	Venezuela	9.8	8.3	12.2	11.4	11.5
Israel	120.4	145.8	373.8	304.8	48.1	West Germany	5.3	3.3	2.4	2.2	- 2
Italy	16.5	14.8	10.8	9.2	5.9	Yugoslavia	32.9	40.2	54.7	72.3	70.3
Japan	2.8	1.9	2.3	2.0	.8	Zaire	36.2	77.1	52.2	23.8	46.7
Korea	20.4	11.5	10.2	13.0	4.0						

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly, with annual yearbooks.

### No. 1401. CONSUMER PRICE INDEXES FOR SELECTED ITEMS—SELECTED COUNTRIES: 1980 AND 1986

(For percent increases in total consumer prices, see table 742. For explanation of average annual percent change, see Guide to Tabular Presentation)

COUNTRY	INDEXES (1987 = 100)										AVG. ANNUAL PERCENT CHANGE, 1980-1986			
	Total <sup>1</sup>		Food <sup>2</sup>		Clothing		Housing <sup>3</sup>		Transportation		Food <sup>4</sup>	Clothing	Housing <sup>5</sup>	Transportation
	1980	1986	1980	1986	1980	1986	1980	1986	1980	1986				
United States	246.8	328.4	254.6	319.7	171.1	182.0	263.3	360.2	249.7	307.5	3.9	1.9	5.4	3.5
Australia	205.5	480.1	291.8	451.0	301.4	455.5	321.8	537.8	(NA)	(NA)	7.9	7.1	8.9	(NA)
Canada	203.9	268.4	188.5	233.9	178.3	215.5	233.2	311.4	216.6	278.0	3.6	3.2	4.9	4.2
France	243.5	382.6	289.9	409.6	195.5	248.8	242.9	382.9	233.1	372.5	5.9	4.1	6.9	—
Italy	—	477.2	294.8	484.7	267.0	445.6	308.4	508.7	337.4	538.5	8.8	8.9	8.6	8.0
Japan	—	812.5	382.3	727.3	437.3	901.8	385.6	788.7	480.9	858.5	11.3	12.8	12.7	12.1
Netherlands	281.8	324.9	288.2	330.4	288.7	358.4	226.7	289.0	252.8	278.7	2.3	3.6	2.9	1.7
Norway	237.4	292.4	197.8	230.7	256.5	304.7	244.2	324.7	223.9	270.4	2.8	2.9	4.9	3.2
Sweden	270.6	433.8	282.1	522.8	187.2	270.0	314.9	484.0	(NA)	(NA)	10.8	5.4	7.4	(NA)
United Kingdom	423.8	619.9	488.0	635.1	308.4	341.9	421.5	608.2	450.3	608.4	5.2	1.8	7.8	6.1
West Germany	175.8	211.9	158.9	188.8	178.8	215.5	192.8	235.4	188.1	220.2	2.7	3.2	3.4	2.8

NA Not available. <sup>1</sup> Includes other items not shown separately. <sup>2</sup> Restaurant meals, alcohol, and tobacco are included for some countries; excluded for others. <sup>3</sup> Includes shelter, utilities, and household furnishings and operations. <sup>4</sup> Vehicles, vehicle coverage and maintenance methods vary significantly from country to country.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic.

**NO. 1402. LABOR FORCE PARTICIPATION RATES, BY SEX, AND FEMALES AS PERCENT OF TOTAL  
LABOR FORCE—SELECTED COUNTRIES: 1970 TO 1986**

COUNTRY	LABOR FORCE PARTICIPATION RATES <sup>1</sup>										FEMALES AS PERCENT OF TOTAL LABOR FORCE				
	Female					Male									
	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986
United States	50.4	61.3	64.3	65.5	66.5	50.1	57.8	67.0	67.1	67.2	36.7	41.9	43.1	43.5	43.8
Canada	41.1	57.8	62.0	63.2	64.3	37.1	57.5	65.9	66.2	66.5	32.2	40.0	42.2	42.8	42.9
France	47.5	52.5	58.1	58.4	57.2	66.9	63.4	70.6	70.7	70.2	36.6	40.1	42.0	42.2	42.7
Italy	29.1	39.2	40.3	40.6	42.0	52.0	61.2	70.0	77.7	77.7	27.1	33.4	34.9	35.1	35.8
Japan	55.4	54.9	57.2	57.2	57.4	69.4	69.0	68.4	67.8	67.5	39.3	38.7	38.6	38.7	38.8
Sweden	60.6	75.7	78.8	79.7	80.5	90.8	89.8	87.2	87.5	87.5	39.5	45.2	46.9	47.1	47.3
United Kingdom	53.5	61.7	62.2	62.9	63.5	56.1	61.5	67.8	67.8	67.3	36.2	40.3	41.4	41.7	42.0
West Germany	48.1	50.0	49.2	50.4	51.4	92.5	63.6	79.9	79.9	79.2	35.9	37.8	38.5	38.7	38.9

<sup>1</sup> Labor force of all ages as percent of population, 15-64 years old.

**NO. 1403. LABOR FORCE PARTICIPATION RATES, BY SEX AND AGE-GROUP—SELECTED COUNTRIES:  
1980 AND 1986**

(Participation rates represent percent of population of each specified group in labor force)

COUNTRY AND SEX	15-19 YEARS OLD		20-24 YEARS OLD		25-54 YEARS OLD		55-64 YEARS OLD		65 YEARS AND OVER	
	1980	1986	1980	1986	1980	1986	1980	1986	1980	1986
United States: Total	58.5	54.9	77.5	79.0	78.4	81.7	55.1	53.8	11.9	10.3
Male	60.5	56.8	85.7	85.4	83.4	83.0	71.2	66.7	18.3	15.4
Female	52.4	52.0	69.1	72.5	63.8	70.6	41.0	42.0	7.6	5.3
Canada: Total	55.2	54.3	79.6	80.4	77.4	81.6	53.9	50.3	8.8	7.1
Male	58.1	55.9	86.2	84.5	84.8	83.9	76.2	68.5	14.7	11.9
Female	52.2	52.7	72.9	76.2	60.1	69.8	33.7	33.3	4.9	3.6
France: Total	22.0	15.2	73.7	70.8	70.8	63.2	53.4	39.8	5.0	3.2
Male	25.7	16.2	80.2	78.2	68.4	65.9	68.5	49.5	7.5	5.0
Female	18.3	12.1	67.5	65.5	63.0	70.5	39.7	30.9	3.3	2.0
Italy: Total	31.1	28.2	65.1	68.4	65.9	68.1	(NA)	(NA)	11.5	10.7
Male	33.0	27.6	72.5	71.9	63.1	61.5	(NA)	(NA)	19.3	18.3
Female	29.9	24.6	57.9	60.9	69.9	45.6	(NA)	(NA)	5.2	4.8
Japan: Total	17.9	17.8	69.8	72.2	76.8	78.7	69.1	62.7	26.3	29.7
Male	17.4	18.0	69.6	70.8	97.0	96.6	95.4	82.9	41.0	36.2
Female	18.5	17.2	70.0	73.7	56.7	60.8	45.3	44.7	15.6	16.2
Sweden: Total	55.5	45.0	83.1	81.1	69.3	92.6	68.6	68.3	8.7	6.6
Male	55.3	44.1	84.5	81.5	95.4	95.3	78.7	75.5	14.2	11.0
Female	55.8	46.0	81.6	80.7	62.9	69.8	65.3	61.4	3.7	3.2
United Kingdom: Total	74.4	72.4	77.1	77.0	79.5	80.7	68.4	60.4	6.2	4.8
Male	73.8	73.7	85.0	84.5	95.4	93.3	81.6	67.0	10.3	7.4
Female	75.3	71.1	68.8	69.2	63.4	68.0	39.1	35.0	3.6	2.7
West Germany: Total	43.9	42.9	73.8	73.4	74.0	74.7	42.6	37.0	4.5	3.1
Male	47.0	45.8	79.2	78.0	93.6	90.6	85.5	55.7	7.0	5.0
Female	40.5	39.7	69.0	70.5	53.8	57.8	27.2	22.1	3.1	2.1

NA Not available. <sup>1</sup> Persons 16-19 years old. <sup>2</sup> Persons 14-19 years old. <sup>3</sup> Persons 25-59 years old. <sup>4</sup> Persons 60 years old and over.

Source of tables 1402 and 1403: Organization for Economic Cooperation and Development, Paris, France, *Historical Statistics, 1980-1982, 1984*; and *Labour Force Statistics*, annual.

**NO. 1404. LABOR FORCE AND UNEMPLOYMENT—SELECTED COUNTRIES: 1970 TO 1986**

[Data based on U.S. labor force definitions adopted in 1967 (see text, section 13) except that minimum age for population base varies as follows: United States, France, Sweden, and, beginning 1975, United Kingdom, 16 years; Australia, Canada, Japan, West Germany, and, for 1970, United Kingdom, 15 years; Italy, 14 years]

COUNTRY	CIVILIAN LABOR FORCE (millions)								PERCENT UNEMPLOYED							
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1975	1980	1982	1983	1984	1985	1986
United States	82.6	83.8	105.9	110.2	111.6	113.5	115.5	117.8	4.9	8.5	7.1	9.7	9.8	7.5	7.2	7.0
Australia	5.5	6.2	6.7	6.9	7.0	7.1	7.3	7.8	1.6	4.9	6.1	1.2	10.0	8.0	8.3	8.1
Canada	8.4	10.0	11.8	12.0	12.2	12.4	12.8	12.9	5.7	6.9	7.5	11.0	11.9	11.3	10.5	8.8
France	20.8	21.8	22.8	23.2	23.1	23.9	23.5	23.5	2.5	4.2	6.4	8.5	8.5	8.9	10.4	10.7
Italy	19.7	20.1	21.1	21.4	21.6	21.7	21.8	22.0	3.2	3.4	4.4	5.4	5.9	5.9	6.0	6.3
Japan	50.7	52.5	55.7	57.0	58.1	58.5	58.8	59.4	1.2	1.9	2.0	2.4	2.7	2.9	2.8	2.8
Sweden	3.9	4.1	4.3	4.4	4.4	4.4	4.4	4.4	1.5	1.8	2.0	3.1	3.5	3.1	2.8	2.7
United Kingdom	26.1	25.7	26.6	26.6	26.9	27.1	27.5	27.3	3.1	4.8	7.0	11.4	11.9	11.7	11.3	11.5
West Germany <sup>1</sup>	26.2	26.1	26.5	26.7	26.7	27.1	27.3	27.3	3.8	3.4	2.8	6.9	7.4	7.9	7.9	7.9

<sup>1</sup> Preliminary estimates based on incomplete data. <sup>2</sup> Includes West Berlin.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic, and *Monthly Labor Review*.

## NO. 1405. SELECTED INDEXES OF MANUFACTURING ACTIVITY—SELECTED COUNTRIES: 1970 TO 1986

(1977 = 100. Data relate to all employed persons in the United States and Canada; all employees in other countries. Minus sign (—) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation.)

INDEX AND YEAR	United States	Belgium	Canada	Denmark	France	Italy	Japan	Netherlands	Sweden	United Kingdom	West Germany
<b>Output per hour:</b>											
1970	80.6	59.9	75.6	65.5	69.8	72.7	84.8	64.3	60.7	79.7	71.2
1975	82.9	65.9	88.6	94.6	88.5	81.1	87.7	68.2	100.2	85.2	80.1
1980	101.4	119.7	98.2	112.3	112.0	116.9	122.7	113.9	112.7	101.7	108.6
1985	121.7	153.3	112.7	117.2	138.3	136.6	163.7	145.6	134.5	134.2	128.9
1986	128.0	(NA)	112.1	116.6	140.9	136.4	168.2	(NA)	136.4	138.2	131.4
Average annual percent change:											
1970-1980	2.3	7.2	2.6	5.5	4.9	4.9	6.6	5.9	3.4	2.5	4.3
1980-1985	3.7	5.1	2.9	.8	4.3	3.2	5.8	5.0	3.6	5.7	3.5
1985-1986	3.5	(NA)	-.5	.5	1.9	1.2	2.8	(NA)	1.4	2.8	1.9
<b>Compensation per hour, national currency basis:<sup>1</sup></b>											
1970	57.4	34.9	47.9	36.3	36.6	26.1	31.9	39.0	38.5	31.5	49.0
1975	85.1	79.0	78.9	81.0	79.7	70.2	84.2	82.2	77.3	77.9	84.5
1980	132.4	130.4	131.3	136.9	148.2	180.2	120.7	129.6	133.6	168.3	125.6
1985	178.7	183.7	194.4	194.4	262.5	339.5	152.0	199.0	208.9	261.3	162.8
1986	181.9	(NA)	202.2	202.6	274.0	353.9	157.3	(NA)	223.1	262.4	171.0
Average annual percent change:											
1970-1980	8.7	14.1	10.6	14.1	15.0	19.9	13.5	12.2	13.2	18.3	10.1
1980-1985	5.9	7.1	8.3	7.4	12.1	18.2	4.7	5.2	8.4	9.2	5.3
1985-1986	2.8	(NA)	3.3	4.2	4.4	4.2	3.5	(NA)	6.8	8.1	5.1
<b>Real hourly compensation:<sup>2,3</sup></b>											
1970	89.6	61.0	79.2	68.5	67.5	62.9	68.7	66.6	71.7	79.2	69.4
1975	95.9	82.3	81.7	86.1	82.2	97.7	99.6	85.4	95.9	105.1	91.3
1980	97.4	112.0	100.2	100.3	107.4	101.6	103.6	106.9	101.8	115.8	112.2
1985	99.5	112.3	104.5	98.0	120.6	112.9	113.9	112.1	101.5	127.1	120.2
1986	100.5	(NA)	103.7	98.6	122.6	110.9	117.1	(NA)	104.0	132.6	126.5
Average annual percent change:											
1970-1980	.8	6.3	2.4	3.9	4.8	5.0	4.2	4.5	3.8	3.9	4.9
1980-1985	.4	—	.8	—	2.4	2.1	1.8	.9	—	1.9	1.4
1985-1986	1.0	(NA)	-.8	.6	1.7	-1.8	2.6	(NA)	2.5	4.5	5.3
<b>Unit labor costs, national currency:</b>											
1970	71.0	55.2	63.4	55.4	52.6	36.0	52.3	60.7	47.7	39.5	67.4
1975	91.7	91.1	89.1	85.6	66.7	77.1	66.0	65.4	77.1	81.2	83.8
1980	130.6	109.0	133.7	121.0	137.0	141.4	98.4	106.5	118.6	165.4	115.7
1985	145.1	119.8	173.6	166.0	169.6	248.2	92.9	109.2	156.3	194.7	126.3
1986	144.3	(NA)	180.4	173.8	194.4	255.7	93.5	(NA)	183.6	204.4	130.2
Average annual percent change:											
1970-1980	6.3	6.5	7.8	—	6.7	14.3	6.6	6.0	9.5	15.4	5.8
1980-1985	2.1	1.8	5.4	6.5	7.5	12.6	-1.1	1	5.5	2.3	1.8
1985-1986	-.6	(NA)	3.8	4.7	2.4	3.0	7	(NA)	5.3	5.0	3.1
<b>Unit labor costs, U.S. dollar basis:<sup>4</sup></b>											
1970	71.0	42.0	64.5	44.4	46.8	50.6	39.1	41.2	41.1	54.2	42.9
1975	91.7	89.7	93.1	89.6	66.5	104.3	66.7	62.6	83.2	103.4	68.7
1980	130.6	133.7	121.5	129.0	154.1	141.4	116.8	134.2	125.3	220.5	147.8
1985	145.1	72.3	135.2	94.0	103.9	114.6	104.3	80.7	80.6	144.8	89.6
1986	144.3	(NA)	137.9	128.9	136.0	151.4	—	(NA)	102.5	171.9	139.2
Average annual percent change:											
1970-1980	6.3	12.3	6.5	11.3	12.7	10.6	11.8	12.5	11.8	15.1	13.2
1980-1985	2.1	-11.6	2.2	-6.1	-7.6	-4.1	-2.2	-9.7	-6.4	-8.1	-7.6
1985-1986	-.6	(NA)	2.0	37.1	32.8	31.9	42.6	(NA)	27.1	18.8	39.6
<b>Employment:</b>											
1970	96.2	114.3	94.7	113.5	97.3	94.6	101.0	116.2	103.8	114.3	112.9
1975	93.0	108.8	101.7	100.0	101.4	99.7	101.7	106.9	103.9	102.7	102.0
1980	103.2	91.2	106.5	98.7	96.0	99.7	99.8	95.4	97.5	93.8	101.1
1985	98.3	76.8	101.4	107.1	84.2	67.5	107.4	84.0	99.0	73.5	91.4
1986	97.8	(NA)	103.4	109.1	82.2	66.1	106.9	(NA)	98.9	72.1	92.8
Average annual percent change:											
1970-1980	.5	-2.2	1.2	-1.4	-1	.5	-1	-2.1	-.6	—	-1.1
1980-1985	-1.0	-2.9	-1.0	1.7	-2.6	-2.6	1.6	-2.5	-1.8	-4.6	-2.0
1985-1986	-.5	(NA)	2.0	1.6	-2.3	-1.5	-1.5	(NA)	-1	-1.9	1.5
<b>Hours:</b>											
1970	97.3	130.2	97.2	125.1	105.3	107.4	107.9	131.2	114.6	119.1	121.7
1975	81.4	107.1	101.5	100.4	101.7	95.4	98.2	107.6	105.9	101.2	101.0
1980	101.7	89.6	105.5	96.1	95.2	98.7	101.2	93.6	92.3	90.2	99.1
1985	98.9	75.1	100.8	105.5	78.5	84.4	106.8	79.2	84.6	71.0	89.7
1986	98.7	(NA)	103.0	108.9	79.7	86.2	108.3	(NA)	83.9	69.5	87.2
Average annual percent change:											
1970-1980	.4	-3.7	.8	-2.4	1.0	-.8	-.6	-3.3	-2.1	-2.7	-2.1
1980-1985	-.6	-3.5	-.9	1.5	3.6	-3.1	1.8	-3.3	-1.7	-4.7	-2.5
1985-1986	-2	(NA)	2.1	3.3	2.3	2.1	1.2	(NA)	-.9	-2.1	.8

— Represents or rounds to zero. NA: Not available. <sup>1</sup> Includes West Berlin. <sup>2</sup> Compensation includes, but real hourly compensation excludes, adjustments for payroll and employment taxes that are not compensation to employees, but are labor costs to employers. <sup>3</sup> Index of hourly compensation divided by the index of consumer prices to adjust for changes in purchasing power. <sup>4</sup> Indexes in national currency adjusted for changes in prevailing exchange rates.

Sources: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and News Release USDL 87-237, "International Comparisons of Manufacturing Productivity and Labor Cost Trends," June 16, 1987.



### NO. 1406. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—INDEX OF INDUSTRIAL PRODUCTION: 1975 TO 1986

[Minus sign (—) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEX (1980 = 100)						AVERAGE ANNUAL PERCENT CHANGE						
	1975	1982	1983	1984	1985	1986	1975-1980	1980-1985	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986
OECD, total	81.3	96.8	98.8	107.9	110.2	111.7	(NA)	3.8	-3.5	3.1	7.4	3.8	1.4
United States	78.5	94.8	100.8	112.1	114.0	118.1	5.0	2.8	-7.1	3.8	11.8	1.7	1.8
Australia	87.8	98.8	92.0	98.0	101.7	107.9	2.5	.3	-5.5	-5.0	8.6	3.8	8.1
Austria	80.0	97.8	98.5	103.8	108.4	109.3	4.8	1.6	-.8	1.0	5.3	4.4	.8
Belgium	87.5	97.4	98.3	102.2	104.3	105.8	2.7	.8	—	2.0	2.9	2.1	1.4
Canada	85.0	90.2	95.5	104.7	109.8	110.2	3.2	1.8	-10.7	5.9	9.8	4.8	.4
Finland	79	103.8	107.1	112.1	118.5	117.3	4.9	3.0	.8	3.2	4.7	3.9	.7
France	85	97	98	99	99	100	3.4	—	-1.8	.8	1.5	—	1.0
Greece	77.0	94.9	94.3	103.8	107.2	107.0	5.4	1.4	-4.4	-.8	10.1	3.2	-2
Ireland	74.8	102.8	109.2	125.1	128.0	121.5	(NA)	4.7	.3	5.4	14.6	2.3	2.7
Italy	78.3	95.4	92.3	95.6	98.8	100.0	5.0	-.6	-3.1	-3.3	3.6	1.6	3.2
Japan	72.8	101.4	105.0	118.5	121.7	121.3	6.6	4.0	.4	3.8	10.8	4.5	-.3
Luxembourg	93.0	98.4	101.7	113.8	121.4	124.9	1.5	4.0	2.3	5.4	11.7	6.9	2.9
Netherlands	88	94	98	101	104	108	(NA)	.8	-4.1	2.1	5.2	3.0	1.8
Norway	76	99	106	115	121	128	5.7	3.2	—	8.1	5.6	5.2	4.1
Portugal	71	105.1	106.8	108.7	111.1	123.8	7.1	2.1	4.8	1.8	-.2	4.1	11.3
Spain	86.8	97.9	100.5	101.4	103.5	106.6	2.9	7	-1.1	2.7	.9	2.1	3.0
Sweden	102	97	101	107	109	110	-.4	2.3	-1.0	4.1	5.9	1.9	.9
Switzerland	87	96	95	97	103	108	2.7	.8	-3.8	.7	2.7	8.2	4.9
United Kingdom	92.2	98.4	101.9	103.2	108.1	110.0	1.6	1.8	1.8	3.8	1.3	4.7	1.8
West Germany	85	95	95	100	105	107	3.3	1.0	-2.9	.7	3.4	5.0	1.8

— Represents or rounds to zero. NA Not available. <sup>1</sup> Mining and manufacturing. <sup>2</sup> Not comparable to later years.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators, Historical Statistics, 1984-1983, 1984*; and *Main Economic Indicators, monthly*.

### NO. 1407. CRUDE STEEL PRODUCTION AND CONSUMPTION: 1975 TO 1985

[Production data cover both ingots and steel for castings and exclude wrought (puddled) iron. Consumption data represent apparent consumption (i.e. production plus imports minus exports) and do not take into account changes in stocks]

COUNTRY	PRODUCTION (mil. metric tons)				CONSUMPTION							
					Total (mil. metric tons)				Per capita (kilograms)			
	1975	1980	1984	1985	1975	1980	1984	1985	1975	1980	1984	1985
World	842.8	888.4	977.1	878.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
United States	105.8	101.5	83.9	80.1	116.8	115.8	113.3	107.3	541	508	479	448
Argentina	2.0	2.8	2.5	2.8	4.2	3.4	2.7	(NA)	183	120	98	(NA)
Australia	7.9	7.9	4.8	8.3	8.3	6.1	5.7	5.8	483	414	388	388
Austria	4.1	4.8	4.9	4.7	2.2	2.7	1.9	1.8	284	358	257	235
Bangladesh	1	1	1	.1	.2	.4	.4	.5	2	4	4	5
Belgium	11.8	12.3	11.4	10.8	3.2	3.2	3.8	3.8	314	313	364	275
Brazil	7.8	10.2	10.8	9.1	11.1	14.2	9.3	(NA)	106	117	70	(NA)
Bulgaria	2.3	2.6	2.9	2.9	2.2	2.8	2.9	3.0	252	316	323	336
Canada	13.0	15.9	14.7	13.5	13.2	12.9	13.2	11.8	581	538	479	448
China, Mainland	23.9	37.1	43.5	48.6	29.1	43.3	57.9	66.6	31	43	55	63
Czechoslovakia	14.3	15.2	14.8	15.0	10.8	11.2	10.8	11.0	731	729	700	708
East Germany	8.5	7.3	7.8	7.9	9.5	9.8	8.9	9.5	586	583	538	574
France	21.5	23.2	19.0	19.1	19.3	20.0	15.2	14.2	305	373	278	258
Greece	1.0	1.1	.8	1.0	1.3	2.0	1.5	1.8	143	208	149	164
India	7.9	9.4	10.3	11.1	8.4	11.5	(NA)	(NA)	14	17	(NA)	(NA)
Indonesia	1	.4	1.0	1.4	1.4	2.3	2.5	2.3	11	15	16	14
Italy	21.8	28.5	24.1	23.9	17.8	28.1	20.9	20.7	321	483	387	382
Japan	102.3	111.4	105.8	105.3	84.7	73.4	85.3	86.7	580	629	571	563
Mexico	5.2	7.0	7.3	7.2	6.1	10.8	8.6	8.3	102	152	113	105
Netherlands	4.8	5.0	3.5	3.4	4.5	4.6	4.2	4.2	332	328	285	305
Nigeria	(NA)	(Z)	.2	.3	1.4	1.9	.8	.9	21	24	7	.9
North Korea	2.9	5.2	6.5	6.5	2.9	5.9	6.8	6.4	188	328	319	413
Pakistan	(NA)	(NA)	(NA)	(NA)	.5	.8	.7	.7	8	6	7	.7
Philippines	(NA)	(NA)	(NA)	(NA)	1.0	1.2	.8	.5	24	25	12	.9
Poland	14.8	18.6	15.2	15.4	17.8	19.3	15.3	15.2	524	542	418	408
Romania	9.5	13.2	14.4	13.8	9.8	12.1	11.5	10.8	483	545	508	480
South Africa	8.8	9.1	7.8	8.6	7.5	6.6	5.4	(NA)	259	203	172	(NA)
South Korea	2.0	5.8	5.1	4.9	1.8	4.9	8.1	(NA)	52	128	188	(NA)
Soviet Union	141.3	147.9	154.2	184.7	141.0	(NA)	(NA)	(NA)	554	(NA)	(NA)	(NA)
Spain	11.1	12.6	13.4	14.7	10.9	8.9	6.5	8.8	308	238	170	257
Sweden	5.6	4.2	4.7	4.9	6.3	4.1	3.7	3.2	773	488	441	384
Turkey	1.5	1.7	2.6	3.1	2.7	3.4	5.1	(NA)	86	75	105	(NA)
United Kingdom	20.1	11.3	15.1	15.7	21.0	13.8	14.4	14.4	378	246	255	254
Venezuela	.9	1.8	2.8	3.1	2.3	3.0	3.0	3.2	185	189	177	188
Vietnam	(NA)	(NA)	(NA)	(NA)	.2	.2	.1	.1	4	4	2	.1
West Germany	40.4	43.8	39.3	39.2	30.3	33.8	29.9	29.3	488	548	488	481
Yugoslavia	2.8	2.5	2.0	2.1	5.3	5.7	5.0	5.1	248	285	217	221

NA Not available. Z Less than 50,000 metric tons. <sup>1</sup> Excludes steel for castings made in foundries operated by companies not producing ingots. <sup>2</sup> Year ending June 30. <sup>3</sup> Luxembourg included with Belgium. <sup>4</sup> Data from U.S. Bureau of Mines. <sup>5</sup> Including Botswana, Lesotho, Namibia, and Swaziland.

Source: Statistical Office of the United Nations, New York, NY, *Statistical Yearbook* (Copyright).

# 406. WORLD PRODUCTION OF MAJOR MINERAL COMMODITIES, BY SELECTED COMMODITY: 1981 TO 1985

(Metric ton = 1.35 short tons)

COMMODITY	Unit	1981	1982	1983	1984, prel.	1985, est.	Leading producers, 1985
<b>MINERAL FUELS</b>							
crude oil	Mill. metric tons	3,833	3,972	4,009	4,222	4,361	China: Mainland, United States, Soviet Union.
gas	Tril. cu. ft.	55.0	54.7	54.7	59.4	60.4	Soviet Union, U.S., Netherlands.
liquids <sup>1</sup>	Mill. barrels <sup>2</sup>	1,350	1,356	1,406	1,545	1,553	U.S., Soviet Union, Saudi Arabia.
crude	Mill. barrels <sup>2</sup>	20,403	19,338	19,212	19,757	19,305	Soviet Union, U.S., Saudi Arabia.
refined	Mill. barrels <sup>2</sup>	21,586	20,918	20,889	21,380	21,168	United States, Soviet Union, Japan.
<b>TALLIC MINERALS</b>							
diamond	Mill. metric tons	886	886	916	947	972	China: Mainland, Soviet Union, Japan.
gem and industrial <sup>1</sup>	1,000 carats	38,768	40,431	55,392	53,517	58,371	Zaire, Botswana, Soviet Union.
anthracite	Mill. metric tons	77.0	75.9	78.5	84.4	85.5	Soviet Union, China: Mainland, United States.
rock	Mill. metric tons	143	127	139	152	151	U.S., Soviet Union, Morocco.
fluorite	Mill. metric tons	27.1	24.5	27.4	29.3	28.6	Soviet Union, Canada, East Germany.
pyrite	Mill. metric tons	171	164	159	171	189	U.S., Soviet Union, China: Mainland.
pyritic base	Mill. metric tons	53.6	50.9	50.5	52.6	54.9	U.S., Soviet Union, Canada.
<b>METALS</b>							
iron ore	Mill. metric tons	15.1	13.4	13.9	15.7	15.3	U.S., Soviet Union, Canada.
gross weight <sup>3</sup>	Mill. metric tons	88.9	80.9	80.2	88.8	86.7	Australia, Guinea, Brazil.
tail content <sup>4</sup>	1,000 metric tons	8,069	8,186	8,010	9,355	9,935	South Africa, Soviet Union, Albania.
content <sup>4</sup>	1,000 metric tons	7,777	7,819	7,712	7,995	8,114	Chile, United States, Canada.
gross weight <sup>3</sup>	Mill. troy ounces	41.3	43.1	45.0	48.4	48.2	South Africa, Soviet Union, Canada.
tail content <sup>4</sup>	1,000 metric tons	858	780	738	831	859	Soviet Union, Brazil, Australia.
content <sup>4</sup>	1,000 metric tons	3,366	3,422	3,359	3,256	3,392	Australia, Soviet Union, U.S.
gross weight <sup>3</sup>	Mill. metric tons	23.6	24.2	21.9	23.6	24.4	Soviet Union, South Africa, Brazil.
tail content <sup>4</sup>	1,000 metric tons	726	618	667	755	777	Soviet Union, Canada, Australia.
content <sup>4</sup>	1,000 metric tons	707	544	683	709	715	Soviet Union, Japan, United States.
gross weight <sup>3</sup>	1,000 metric tons	238	220	197	198	191	Malaysia, Soviet Union, Indonesia.
content <sup>4</sup>	1,000 metric tons	6,919	6,126	6,361	6,564	6,656	Canada, Soviet Union, Australia.

<sup>1</sup> China: Mainland. <sup>2</sup> 42-gallon barrels. <sup>3</sup> Unalloyed ingot metal. <sup>4</sup> Mine output. <sup>5</sup> Includes iron ore concentrates and agglomerates.

U.S. Bureau of Mines, *Minerals Yearbook*.

# 406. PRIMARY ENERGY PRODUCTION, BY SOURCE OF ENERGY AND REGION: 1970 TO 1985

(millions of metric tons of coal equivalent. See text, section 31, for general comments concerning the data)

SOURCE OF ENERGY AND YEAR	World, total	Africa	United States and Canada	Other Western Europe and Asia	Asia	Europe	Soviet Union	Oceania
<b>Primary energy: 1970</b>	7,045	486	2,309	450	1,801	911	1,216	63
1971	8,087	437	2,226	416	2,287	1,047	1,578	99
1972	9,265	584	2,327	416	2,464	1,270	1,936	119
1973	8,916	477	2,266	616	2,099	1,313	2,006	138
1974	8,932	500	2,177	616	2,082	1,380	2,053	143
1975	9,310	536	2,357	635	2,182	1,331	2,114	156
1976	9,481	584	2,341	632	2,191	1,403	2,188	181
<b>1977</b>	2,148	54	526	8	394	662	458	46
1978	2,306	62	536	11	501	635	501	60
1979	2,626	98	657	15	620	654	510	71
1980	2,712	107	687	16	674	680	502	86
1981	2,720	113	623	18	715	688	499	82
1982	2,840	128	716	19	778	606	487	97
1983	2,978	136	714	19	826	647	514	119
<b>1984</b>	3,433	427	878	398	1,148	56	514	12
1985	3,981	358	801	334	1,674	71	715	29
1986	4,497	444	818	437	1,681	210	879	30
1987	4,027	332	791	480	1,283	254	877	29
1988	3,989	336	799	473	1,183	287	882	29
1989	4,078	352	825	487	1,195	308	877	33
1990	4,024	368	831	481	1,137	318	852	38
<b>1991</b>	1,311	3	852	42	39	145	228	2
1992	1,577	14	802	53	81	276	344	6
1993	1,840	35	752	85	117	320	517	14
1994	1,844	31	699	91	112	298	584	18
1995	1,864	45	639	92	129	305	638	19
1996	1,998	49	693	92	150	294	698	21
1997	2,052	54	688	93	158	303	756	20
<b>nuclear electricity<sup>2</sup> 1970</b>	154	3	53	10	20	49	16	3
1971	224	5	65	16	30	65	18	4
1972	301	7	102	28	45	88	30	4
1973	333	6	110	31	51	98	32	4
1974	380	6	118	31	56	108	38	4
1975	393	6	120	36	59	122	42	4
1976	427	7	128	38	68	135	46	5

<sup>1</sup> natural gas liquids. <sup>2</sup> Includes geothermal.

Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook 1985*. (Copyright.)

## No. 1410. ENERGY CONSUMPTION AND PRODUCTION, BY COUNTRY: 1980 AND 1985

[Metric ton = 1 023 short tons. See text, section 31 for general comments about the data. For additional data qualifications for countries, see sources]

COUNTRY	ENERGY CONSUMED <sup>1</sup> (coal equiv.)				ELECTRIC ENERGY PRODUCTION <sup>2</sup> (bil. kWh)		CRUDE PETROLEUM PRODUCTION <sup>3</sup> (mil. metric tons)		COAL PRODUCTION <sup>4</sup> (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)		1980	1985	1980	1985	1980	1985
	1980	1985	1980	1985						
World, total	8,544.3	9,130.3	1,819	1,988	8,347	8,676	2,979	2,999	2,729	2,114
United States	2,364.5	2,276.3	10,366	9,563	* 2,354	* 2,525	424.2	441.5	710.4	741.3
Algeria	24.8	16.7	1,327	767	7.1	12.3	47.4	29.4	(x)	* (x)
Argentina	49.3	52.0	1,746	1,703	36.7	45.3	25.3	23.8	.4	.4
Australia <sup>5</sup>	91.2	102.9	6,195	6,558	95.1	119.0	18.9	23.4	72.5	130.2
Austria	30.6	29.7	4,056	3,955	42.0	43.9	1.5	1.1	(x)	(x)
Bahrain	4.4	5.5	12,651	12,706	1.7	2.1	2.4	2.0	(NA)	(NA)
Bangladesh	3.8	5.7	44	57	2.7	4.9	(x)	(x)	(x)	(x)
Belgium	59.1	49.5	5,997	4,996	53.6	56.4	(x)	(x)	6.3	7.7
Brazil	92.5	93.8	763	662	136.5	192.9	9.1	27.5	5.2	7.7
Bulgaria	47.3	51.9	5,254	5,720	34.8	41.6	* 3	* 3	.3	.2
Burma	2.2	3.3	62	88	1.3	1.8	1.6	* 1.6	(x)	* (x)
Canada	254.2	252.0	10,547	9,910	377.5	480.4	70.4	72.2	20.2	34.3
Chile	11.4	10.7	1,025	890	11.8	13.9	1.6	1.6	1.0	1.2
China: Mainland	562.6	720.5	571	663	300.8	410.7	105.9	124.9	595.8	* 810.0
Taiwan <sup>6</sup>	37.8	45.6	2,126	2,365	43.8	57.0	.2	1	2.8	1.9
Colombia	23.8	24.1	923	840	22.9	26.8	6.6	9.1	4.9	* 6.5
Cuba	13.6	14.3	1,394	1,428	9.9	12.2	.3	.8	(x)	(x)
Czechoslovakia	97.4	97.1	6,364	6,231	72.7	80.6	1	1	* 28.3	* 26.2
Denmark	26.9	27.3	5,254	5,334	27.1	29.1	.3	2.6	(x)	(x)
East Germany	121.8	130.6	7,276	7,791	98.8	113.8	1	(x)	(x)	(x)
Ecuador	5.7	6.0	708	836	3.4	4.5	10.4	14.3	(NA)	(NA)
Egypt	20.1	31.0	486	662	16.9	23.2	29.4	44.3	(x)	(x)
Ethiopia	.9	.8	27	18	.7	.8	(x)	(x)	(NA)	(NA)
Finland	26.4	25.6	5,514	5,234	* 36.7	* 47.1	(x)	(x)	(x)	(x)
France <sup>7,8</sup>	237.3	219.3	4,409	4,013	* 246.4	* 326.4	1.2	2.6	* 20.2	* 17.1
Greece	20.1	23.0	2,086	2,332	22.7	27.7	(x)	1.3	(x)	(x)
Hong Kong	7.3	9.3	1,446	1,670	12.6	19.2	(NA)	(NA)	(x)	(x)
Hungary	40.6	41.6	3,787	3,862	23.9	26.6	2.0	2.0	* 3.1	* 2.6
India	139.4	193.0	202	254	119.3	186.5	9.4	29.9	109.1	149.7
Indonesia	34.7	42.5	230	255	14.2	27.6	77.6	67.7	.3	1.5
Iran	* 45.7	55.9	* 1,177	1,252	* 22.4	37.3	* 72.7	108.9	* 11.9	* .9
Iraq	10.7	10.3	607	649	11.4	16.6	130.1	89.9	(NA)	(NA)
Ireland	11.1	11.1	3,268	3,084	10.9	11.7	(x)	(x)	.1	(x)
Israel	8.8	10.4	2,273	2,436	12.5	15.7	(x)	(x)	(x)	(x)
Italy <sup>10</sup>	174.9	188.8	3,112	3,290	185.7	182.2	1.8	2.4	* (x)	* (x)
Japan	434.6	448.5	3,726	3,715	577.6	673.4	.4	.5	18.0	16.4
Kuwait <sup>11</sup>	6.9	12.9	5,019	7,134	9.4	15.7	64.1	53.6	(NA)	(NA)
Libya	7.3	12.7	2,456	3,536	4.6	8.2	66.3	49.9	(x)	(x)
Malaysia	12.2	24.5	882	1,575	10.2	14.9	13.2	21.6	(x)	(x)
Mexico	116.6	132.5	1,709	1,677	* 67.0	* 93.4	98.9	136.7	7.0	* 6.6
Morocco	6.4	7.2	319	327	4.9	7.0	(x)	(x)	.7	* .9
Netherlands	93.0	63.4	6,543	5,752	64.6	62.9	1.3	3.7	(x)	* 1.1
New Zealand	10.0	11.4	3,152	3,432	22.0	26.6	.3	* .8	2.0	2.2
Nigeria	11.0	21.6	136	227	7.2	9.0	104.2	73.2	.2	* .1
North Korea	48.5	54.7	2,713	2,681	36.0	48.0	(x)	(x)	* 36.0	* 36.0
Norway <sup>12</sup>	26.3	27.0	6,423	6,507	84.1	103.2	24.6	37.0	.3	.6
Pakistan	16.6	25.1	191	251	15.3	25.7	.5	1.3	1.5	2.2
Peru	12.0	11.6	693	591	9.8	12.1	9.6	9.3	* 1	* 1
Philippines	16.7	15.6	346	291	17.9	21.0	.5	.6	.3	1.2
Poland	176.8	172.4	4,935	4,636	121.9	137.7	.3	.2	193.1	191.6
Portugal	11.2	13.3	1,153	1,302	15.3	19.0	(x)	(x)	.2	.2
Romania	100.0	109.9	4,506	4,776	67.5	75.3	11.5	10.7	8.1	8.7
Saudi Arabia <sup>13</sup>	25.3	41.6	2,745	3,606	18.9	32.4	495.9	166.4	(NA)	(NA)
South Africa <sup>14</sup>	90.2	114.2	2,751	3,088	90.4	122.3	(x)	(x)	116.6	173.7
South Korea	52.3	66.6	1,373	1,614	40.1	62.7	(x)	(x)	16.6	22.5
Soviet Union	1,473.1	1,708.2	5,549	6,131	1,293.9	1,544.0	603.2	595.0	492.9	494.4
Spain	66.4	84.2	2,359	2,183	110.5	125.6	1.6	2.2	* 13.1	* 16.3
Sudan	1.5	1.5	62	72	1.0	1.0	(x)	(x)	(NA)	(NA)
Sweden	44.5	41.4	5,376	4,990	96.7	136.5	(x)	(x)	(x)	(x)
Switzerland <sup>15</sup>	23.3	24.4	3,636	3,805	* 48.1	* 53.9	(x)	(x)	(x)	(x)
Syria	7.3	12.9	635	1,226	3.6	7.3	8.3	9.2	(x)	(x)

See footnotes at end of table.

## NO. 1410. ENERGY CONSUMPTION AND PRODUCTION, BY COUNTRY: 1980 AND 1985--Continued

[Metric ton=1.1023 short tons. See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED <sup>1</sup> (coal equiv.)				ELECTRIC ENERGY PRODUCTION <sup>2</sup> (bil. kWh)		CRUDE PETROLEUM PRODUCTION <sup>3</sup> (mil. metric tons)		COAL PRODUCTION <sup>4</sup> (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)							
	1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
Tanzania	.8	.7	44	40	.7	.8	(X)	(X)	(Z)	<sup>5</sup> (Z)
Thailand	17.3	21.4	372	417	15.1	24.2	(Z)	1.2	(Z)	<sup>5</sup> (Z)
Trinidad and Tobago	7.5	8.0	6,882	5,080	2.0	3.0	11.0	9.2	(NA)	(NA)
Turkey	4.1	5.4	839	780	2.8	4.0	5.6	5.4	(X)	(X)
Turkey	31.9	45.5	718	923	23.3	33.3	2.3	2.1	3.6	3.6
United Arab Emirates	18.8	9.7	17,188	7,274	6.3	6.7	82.8	58.2	(NA)	(NA)
United Kingdom	271.0	276.8	4,850	4,914	284.8	294.7	78.8	122.4	<sup>6</sup> 130.1	<sup>6</sup> 94.0
Venezuela	48.0	54.5	3,140	3,150	35.9	45.4	114.8	87.9	(Z)	(Z)
Vietnam	6.6	7.0	122	118	3.8	5.0	(NA)	(NA)	5.2	<sup>5</sup> 5.3
West Germany	358.4	349.8	5,829	5,748	388.8	408.7	4.6	4.1	84.5	88.5
Yugoslavia	48.0	58.3	2,152	2,520	59.4	73.9	4.2	4.1	.4	.4
Zaire	2.0	1.8	89	85	4.2	4.8	1.0	<sup>7</sup> 1.3	.1	<sup>8</sup> 1.1
Zambia	2.3	2.2	403	323	<sup>9</sup> 9.2	<sup>9</sup> 10.1	(X)	(X)	.8	.5

NA Not available. X Not applicable. Z Less than 50,000 metric tons. <sup>1</sup> Based on apparent consumption of coal, lignite, petroleum products, natural gas, and hydro, nuclear, and geothermal electricity. <sup>2</sup> Comprises production by utilities generating primarily for public use, and production by industrial establishments generating primarily for own use. Relates to production at generating centers, including station use and transmission losses. <sup>3</sup> Includes shale oil, but excludes natural gasoline. <sup>4</sup> Excludes lignite and brown coal, except as noted. <sup>5</sup> Net production, i.e. excluding station use. <sup>6</sup> United Nations Statistical Office estimate. <sup>7</sup> For year ending June 30 of year shown. <sup>8</sup> Source: U.S. Bureau of the Census. Data from Republic of China publications. <sup>9</sup> Includes Monaco. <sup>10</sup> For year ending March 20 of year shown. <sup>11</sup> Includes San Marino. <sup>12</sup> Includes share of production and consumption in the Neutral Zone. <sup>13</sup> Includes patent fuel and hard coal briquettes. <sup>14</sup> Includes Svalbard and Jan Mayen Islands. <sup>15</sup> Includes Botswana, Lesotho, Namibia, and Swaziland. <sup>16</sup> Includes Liechtenstein.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook, 1986*. (Copyright)

## NO. 1411. INDICES OF FOOD PRODUCTION: 1980 TO 1986

[1975=1979=100. For explanation of annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

REGION AND COUNTRY	TOTAL FOOD PRODUCTION						PER CAPITA FOOD PRODUCTION					
	1980	1984	1985	1986	Annual percent change		1980	1984	1985	1986	Annual percent change	
					1980-1984	1985-1986					1985-1986	1986-1987
World	184	117	118	119	2.3	-	98	104	104	103	.7	-1.8
Developed countries	105	112	114	111	.9	2.6	102	107	108	105	.5	-2.8
United States	102	109	115	109	1.1	-5.2	99	101	106	100	.2	-5.7
Canada	103	110	120	133	4.4	10.8	100	102	110	121	3.2	10.0
Western Europe	112	119	117	115	.4	-1.7	111	117	114	113	.3	-.8
Japan	90	100	100	100	1.8	-	98	94	94	94	1.1	-
Oceania	98	114	116	115	2.7	.9	95	106	105	103	1.4	-1.9
South Africa	109	102	108	110	.2	1.9	101	88	89	89	-2.1	-
Centrally planned countries	101	120	118	122	3.2	3.4	98	111	108	111	2.1	2.8
Soviet Union	85	102	101	107	2.0	5.9	92	98	94	99	1.2	5.3
Eastern Europe	97	113	109	112	2.4	2.8	95	109	105	107	2.0	1.9
China: Mainland	119	184	182	183	5.4	.6	14	150	148	147	4.3	-7
Developing countries	107	120	126	128	2.8	.8	100	102	103	102	.5	-1.0
East Asia	89	107	108	109	3.4	.9	95	98	95	95	1.9	-
South Asia	103	123	128	125	3.3	-.8	98	105	105	102	1.0	-2.8
Middle East	103	115	121	130	4.0	7.4	95	95	97	101	1.0	4.1
Sub-Saharan Africa	107	111	116	120	1.9	3.5	99	91	93	93	-1.0	-
North Africa	110	115	127	135	3.5	6.3	101	84	101	104	.5	3.0
Latin America	112	122	127	122	1.4	3.9	104	103	105	99	-.8	-5.7

- Represents zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Food Needs and Availability, 1987/88*, July 1987.

## NO. 1412. WHEAT, RICE, AND CORN PRODUCTION, BY COUNTRY: 1983 TO 1985

[In thousands of metric tons. Rice data cover rough and paddy. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, section 31, for general comments concerning quality of the data.]

COUNTRY	WHEAT			RICE			CORN		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
World, total	484,737	523,842	510,028	461,812	470,871	485,970	347,357	452,814	480,166
United States	85,858	70,818	65,992	4,523	6,298	8,171	100,041	194,828	225,180
Afghanistan	2,927	<sup>1</sup> 2,850	<sup>1</sup> 2,850	480	<sup>2</sup> 480	<sup>2</sup> 480	808	<sup>2</sup> 800	<sup>2</sup> 800
Argentina	12,300	13,200	<sup>2</sup> 8,500	277	476	400	9,000	9,500	12,800
Australia	22,016	16,294	18,550	548	632	864	139	238	311
Austria	1,417	1,501	1,563	(NA)	(NA)	(NA)	1,454	1,542	1,727
Bangladesh	1,095	1,212	1,484	21,751	21,930	<sup>2</sup> 21,900	<sup>1</sup> 1	<sup>1</sup> 1	<sup>1</sup> 1
Belgium <sup>2</sup>	1,062	1,330	<sup>2</sup> 1,204	(NA)	(NA)	(NA)	<sup>1</sup> 50	<sup>2</sup> 53	<sup>2</sup> 80
Brazil	2,237	1,983	4,247	7,742	9,027	9,019	18,731	21,164	22,017
Bulgaria	3,806	4,838	<sup>2</sup> 3,500	74	81	<sup>1</sup> 75	3,115	2,994	<sup>1</sup> 2,800
Burma	130	214	206	14,288	14,586	<sup>2</sup> 15,400	238	310	403
Cambodia	(NA)	(NA)	(NA)	1,700	1,970	<sup>1</sup> 1,800	<sup>1</sup> 80	<sup>1</sup> 80	<sup>1</sup> 78
Canada	28,505	21,188	23,900	(NA)	(NA)	(NA)	5,933	7,024	7,383
Chile	586	988	1,165	116	165	157	512	721	772
China: Mainland <sup>1</sup>	81,382	87,817	85,288	172,178	181,183	171,479	88,353	73,800	62,250
Colombia	78	69	79	1,780	1,806	1,764	864	864	882
Cuba	(NA)	(NA)	(NA)	518	555	524	<sup>1</sup> 88	<sup>1</sup> 87	<sup>1</sup> 97
Czechoslovakia	5,820	8,170	6,023	(NA)	(NA)	(NA)	722	840	1,114
Denmark	1,548	2,448	1,898	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
East Germany	3,550	3,903	<sup>2</sup> 3,806	(NA)	(NA)	(NA)	( <sup>1</sup> )	( <sup>1</sup> )	<sup>1</sup> 2
Ecuador	27	<sup>2</sup> 23	<sup>2</sup> 19	270	414	<sup>1</sup> 300	228	<sup>2</sup> 282	<sup>2</sup> 290
Egypt	1,986	1,615	<sup>2</sup> 1,674	2,442	2,236	<sup>2</sup> 2,312	3,509	3,170	<sup>2</sup> 3,982
Ethiopia	688	<sup>1</sup> 675	<sup>1</sup> 700	(NA)	(NA)	(NA)	1,533	<sup>1</sup> 1,275	<sup>1</sup> 1,400
Finland	550	478	472	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
France	24,745	32,977	29,030	36	36	61	10,525	10,493	11,839
Greece	2,096	2,648	1,782	53	82	106	1,783	2,091	1,800
Hungary	5,985	7,382	6,573	47	33	36	6,428	8,886	6,798
India	42,794	45,478	44,229	90,048	87,990	<sup>1</sup> 91,500	7,922	8,356	<sup>2</sup> 7,000
Indonesia	(NA)	(NA)	(NA)	35,303	38,136	<sup>2</sup> 38,880	5,067	5,288	<sup>2</sup> 5,300
Iran	5,956	<sup>1</sup> 5,500	<sup>1</sup> 6,000	1,216	1,800	1,100	<sup>2</sup> 90	<sup>2</sup> 50	<sup>2</sup> 50
Iraq	841	471	<sup>1</sup> 850	111	109	<sup>1</sup> 105	28	31	<sup>1</sup> 32
Ireland	389	680	<sup>2</sup> 500	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Israel	335	130	<sup>2</sup> 110	(NA)	(NA)	(NA)	26	26	<sup>1</sup> 28
Italy	5,517	10,047	8,516	1,021	989	1,054	8,888	8,778	6,352
Japan	895	741	874	12,958	14,848	14,578	1	1	( <sup>1</sup> )
Laos	(NA)	(NA)	(NA)	1,032	1,322	<sup>1</sup> 1,400	39	<sup>1</sup> 40	<sup>1</sup> 45
Madagascar	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2,147	2,131	<sup>2</sup> 2,178	132	141	<sup>2</sup> 140
Malaysia	(NA)	(NA)	(NA)	1,818	1,755	<sup>2</sup> 1,895	20	22	<sup>2</sup> 24
Mexico	3,480	4,542	5,228	416	511	988	13,081	13,222	15,013
Nepal	857	834	834	2,757	2,708	<sup>1</sup> 2,800	781	820	<sup>1</sup> 770
Netherlands	1,043	1,131	851	(NA)	(NA)	(NA)	2	1	<sup>1</sup> 2
New Zealand	301	315	382	(NA)	(NA)	(NA)	143	154	220
North Korea	<sup>1</sup> 550	<sup>1</sup> 840	<sup>1</sup> 880	<sup>1</sup> 5,380	<sup>1</sup> 5,570	<sup>1</sup> 5,800	<sup>1</sup> 2,500	<sup>1</sup> 2,600	<sup>1</sup> 2,880
Pakistan	12,414	10,882	<sup>2</sup> 11,800	5,009	4,973	<sup>2</sup> 4,500	1,014	1,028	<sup>1</sup> 1,030
Panama	(NA)	(NA)	(NA)	199	175	199	74	71	<sup>2</sup> 70
Peru	76	84	80	798	1,156	973	586	778	708
Philippines	(NA)	(NA)	(NA)	7,841	8,200	<sup>2</sup> 8,300	3,134	3,438	<sup>2</sup> 3,542
Poland	5,185	6,010	6,461	(NA)	(NA)	(NA)	64	57	89
Portugal	329	475	385	109	134	147	461	526	570
Romania	5,206	7,580	<sup>1</sup> 6,800	84	110	<sup>1</sup> 85	11,982	13,274	<sup>1</sup> 13,800
South Africa	1,770	2,150	<sup>2</sup> 1,800	<sup>1</sup> 3	<sup>1</sup> 3	<sup>1</sup> 3	4,080	4,380	7,550
South Korea	112	17	<sup>2</sup> 11	7,808	7,870	<sup>2</sup> 7,865	101	133	132
Soviet Union	<sup>1</sup> 78,500	<sup>1</sup> 78,000	<sup>2</sup> 83,000	2,800	<sup>1</sup> 2,500	<sup>1</sup> 2,800	<sup>1</sup> 13,000	<sup>1</sup> 13,000	<sup>1</sup> 15,000
Spain	4,288	6,062	5,326	224	452	459	1,803	2,905	3,331
Sri Lanka	(NA)	(NA)	(NA)	2,484	2,141	<sup>2</sup> 2,834	31	38	<sup>1</sup> 38
Sweden	1,721	1,776	1,378	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Switzerland	445	597	547	(NA)	(NA)	(NA)	139	126	157
Syria	1,812	1,088	<sup>2</sup> 1,714	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	27	80	89
Thailand	(NA)	(NA)	(NA)	19,549	19,805	19,521	3,552	4,226	4,886
Turkey	16,437	17,235	17,032	315	280	265	1,480	1,500	1,800
United Kingdom	10,880	14,957	11,700	(NA)	(NA)	(NA)	<sup>1</sup> 1	<sup>1</sup> 1	<sup>1</sup> 1
Uruguay	419	349	<sup>2</sup> 440	323	340	423	104	112	108
Venezuela	( <sup>1</sup> )	( <sup>1</sup> )	<sup>2</sup> 1	449	408	<sup>2</sup> 472	488	547	<sup>2</sup> 800
Vietnam	(NA)	(NA)	(NA)	14,732	15,528	<sup>1</sup> 15,800	467	532	<sup>1</sup> 500
West Germany	8,998	10,223	9,866	(NA)	(NA)	(NA)	834	1,026	1,204
Yugoslavia	5,525	5,596	4,859	40	36	36	10,719	11,312	8,881

NA: Not available. <sup>1</sup> FAO estimate. <sup>2</sup> Unofficial figure. <sup>3</sup> Includes Luxembourg. <sup>4</sup> None or negligible.

Source: Food and Agriculture Organization of the United Nations, Rome, Italy, 1985 FAO Production Yearbook, vol. 38 (copyright).

### NO. 1413. WHEAT, RICE AND CORN—EXPORTS AND IMPORTS OF 10 LEADING COUNTRIES: 1983 TO 1985

[In thousands of metric tons. Countries listed are the ten leading exporters or importers in 1985]

LEADING EXPORTERS	EXPORTS			LEADING IMPORTERS	IMPORTS		
	1983	1984	1985		1983	1984	1985
<b>WHEAT</b>				<b>WHEAT</b>			
United States	38,491	42,243	24,810	Soviet Union	21,700	26,700	20,308
Canada	21,808	21,091	16,983	China: Mainland	11,811	10,539	8,135
France	13,409	13,617	16,943	Japan	5,818	5,978	5,510
Australia	8,215	10,535	15,704	Italy	2,801	4,019	4,534
Argentina	10,182	7,245	9,618	Egypt	4,230	4,520	4,584
Hungary	1,107	1,271	2,003	Brazil	4,162	4,868	4,041
United Kingdom	1,324	2,175	1,888	West Germany	1,140	1,583	3,083
Soviet Union	1,800	1,621	1,250	Algeria	2,129	2,006	3,030
West Germany	1,113	1,803	1,045	South Korea	1,854	2,848	2,988
Belgium-Luxembourg	741	589	783	Iran	2,867	3,780	2,750
<b>RICE</b>				<b>RICE</b>			
Netherlands	3,478	4,616	4,082	Bangladesh	318	187	741
United States	2,385	2,141	1,940	Philippines	-	180	538
China: Mainland	1,113	1,370	1,050	India	440	■	500
Thailand	548	536	727	Malaysia	358	437	480
Pakistan	905	1,285	719	Saudi Arabia	481	480	427
Ukraine	858	721	470	Iran	622	710	400
Australia	405	246	341	Hong Kong	371	386	378
Indonesia	-	-	340	Italy	172	170	352
Rugby	195	152	220	Senegal	339	371	350
Kenya	200	200	180	Nigeria	544	213	345
<b>CORN</b>				<b>CORN</b>			
United States	47,845	49,104	44,153	Soviet Union	5,850	12,200	16,800
Argentina	6,825	5,518	7,041	Japan	14,701	14,170	14,225
China: Mainland	68	952	6,340	Spain	4,455	2,712	3,874
France	4,455	5,208	4,458	South Korea	4,057	3,065	3,406
Netherlands	2,630	3,117	2,752	China: Mainland	5,588	3,015	3,107
Yugoslavia	1,331	885	900	Netherlands	2,117	2,229	2,374
Belgium-Luxembourg	1,585	1,400	856	Belgium-Luxembourg	3,156	2,860	1,980
Denmark	430	500	815	Egypt	1,523	1,582	1,807
Italy	100	114	523	Mexico	4,687	2,488	1,728
Canada	454	488	329	West Germany	1,751	1,617	1,670

- Represents or rounds to zero.

Source: U.S. Dept. of Agriculture, Economic Research Service. Data from Food and Agriculture Organization of the United Nations, Rome, Italy, *FAO Trade Yearbook*.

### NO. 1414. MEAT—PRODUCTION, BY COUNTRY: 1980 TO 1985

In thousands of metric tons, carcass weight. Covers beef and veal (incl. buffalo meat), pork (incl. bacon and ham), and mutton and lamb (incl. goat meat). Refers to meat from animals slaughtered within the national boundaries irrespective of origin of animals, and relates to commercial and farm slaughter. Excludes lard, tallow, and edible offals. See text, section 31, for general comments concerning the data.

COUNTRY	1980	1984	1985, est.	COUNTRY	1980	1984	1985, est.
World, total	103,914	110,484	113,537	Iran	457	454	457
United States	17,880	17,819	17,873	Italy	2,305	2,471	2,474
Argentina	3,220	2,897	3,044	Japan	1,893	1,980	2,086
Australia <sup>1</sup>	2,332	2,046	2,000	Kenya	232	240	237
Belgium <sup>2</sup>	985	1,052	1,056	Mexico	1,036	1,137	1,203
Brazil	3,115	3,008	3,068	Netherlands	1,565	1,831	1,925
Canada	1,832	1,889	1,869	New Zealand <sup>1</sup>	1,091	1,145	1,264
China: Mainland	12,884	16,146	18,340	Nigeria	459	452	447
Czechoslovakia	1,210	1,231	1,247	Pakistan	657	880	920
Denmark	1,218	1,289	1,329	Poland	2,397	1,971	2,190
East Germany	1,612	1,858	1,636	Romania	1,359	1,384	1,286
France	3,823	3,992	3,895	Soviet Union	12,888	14,037	14,185
Hungary	1,066	1,283	1,108	Spain	1,545	1,715	1,689
India	642	741	759	United Kingdom	2,305	2,379	2,365
Indonesia	298	319	323	West Germany	4,786	4,864	4,845
				Yugoslavia	1,187	1,342	1,270

<sup>1</sup> Year ending June 30 for Australia and September 30 for New Zealand. <sup>2</sup> Includes Luxembourg.

Source: Statistical Office of the United Nations, New York, NY, *Statistical Yearbook*. (Copyright.)



# NO. 1415. FOREIGN TRADE OF SELECTED COUNTRIES—SOURCE OF IMPORTS AND DESTINATION OF EXPORTS: 1986

[In billions of dollars, except percent. All exports are f.o.b. (free on board) and all imports are c.i.f. (cost insurance freight) except for U.S., Australian and Canadian imports, which are f.o.b.]

COUNTRY	Total <sup>1</sup>	O.E.C.D. <sup>2</sup>		Soviet Union and Eastern Europe	China: Mainland, Vietnam, North Korea	O.P.E.C. <sup>4</sup>	Other developing countries <sup>5</sup>	Africa	America <sup>6</sup>	Middle East <sup>7</sup>	Far East <sup>8</sup>
		Total	E.E.C. <sup>3</sup>								
IMPORTS											
United States .....	370.0	242.9	75.7	2.0	4.8	19.8	98.1	10.3	41.9	7.9	59.3
Australia .....	23.9	18.8	5.8	.1	.3	.8	3.8	.2	.3	.7	3.2
Austria .....	26.7	22.2	17.9	2.2	.1	.6	1.5	.7	.5	.2	.8
Belgium <sup>9</sup> .....	68.5	59.8	49.6	1.5	.2	1.8	4.7	2.8	1.1	1.5	1.3
Canada .....	81.3	72.7	9.2	.2	.4	1.1	6.6	.7	2.7	.4	4.1
Denmark .....	22.8	19.8	11.9	.7	.2	.4	1.7	.3	.7	.3	.8
France .....	128.8	102.0	76.8	4.3	.7	7.5	13.7	8.4	3.1	4.1	3.8
Italy .....	100.0	73.7	55.4	4.1	.7	9.5	10.1	9.1	3.1	5.0	2.4
Japan .....	127.7	60.7	14.2	2.3	6.0	24.0	32.4	3.9	6.2	18.3	29.9
Netherlands .....	75.4	82.7	46.2	1.9	.3	4.0	6.4	2.5	2.0	2.8	3.0
Spain .....	34.9	24.8	17.6	.6	.2	3.9	5.0	3.3	2.5	2.1	1.1
Sweden .....	32.5	28.5	18.6	1.2	.1	.5	2.1	.3	.8	.3	1.9
Switzerland .....	40.9	37.1	29.8	.8	.1	.6	2.2	.7	.6	.3	1.1
United Kingdom .....	126.2	106.0	65.3	2.2	.5	2.4	13.8	4.3	2.5	2.0	7.4
West Germany .....	189.7	152.3	99.5	8.3	1.3	6.1	20.6	7.4	6.4	2.4	8.7
Percent distribution:											
United States .....	100.0	65.7	20.5	.5	1.3	5.3	26.5	2.8	11.3	2.1	16.0
Australia .....	100.0	78.8	24.3	.3	1.4	3.2	15.8	.9	1.1	2.8	13.5
Austria .....	100.0	83.0	66.9	8.3	.2	2.3	5.8	2.7	1.8	.6	2.3
Belgium <sup>9</sup> .....	100.0	87.3	72.3	2.3	.3	2.7	6.9	4.0	1.7	2.2	1.8
Canada .....	100.0	89.5	11.3	.3	.5	1.3	8.1	.9	3.4	.5	5.0
Denmark .....	100.0	66.7	52.0	3.2	.9	1.6	7.2	1.2	3.1	1.4	2.8
France .....	100.0	79.2	59.7	3.4	.6	5.8	10.7	6.5	2.4	3.2	2.8
Italy .....	100.0	73.7	55.4	4.1	.7	9.5	10.1	9.2	3.1	5.0	2.4
Japan .....	100.0	47.5	11.1	1.8	4.7	18.8	25.4	3.0	4.8	14.3	23.4
Netherlands .....	100.0	83.2	63.9	2.5	.4	5.3	8.5	3.3	2.6	3.6	4.0
Spain .....	100.0	71.1	50.3	1.8	.7	11.3	14.4	9.6	7.1	6.0	3.2
Sweden .....	100.0	87.9	57.2	3.7	.4	1.5	6.5	1.0	2.6	.9	3.1
Switzerland .....	100.0	90.7	73.0	2.0	.3	1.5	5.3	1.7	1.5	.9	2.7
United Kingdom .....	100.0	84.0	51.8	1.8	.4	1.9	11.0	3.4	2.0	1.8	5.8
West Germany .....	100.0	60.3	52.5	4.4	.7	3.2	10.6	3.9	3.4	1.3	4.6
EXPORTS											
United States .....	217.3	139.7	53.2	2.0	3.1	10.8	60.5	6.0	31.1	8.4	28.1
Australia .....	22.5	13.5	3.3	.9	1.1	1.4	5.6	.5	.2	1.2	4.0
Austria .....	22.4	17.7	13.5	2.2	.2	.9	1.5	.6	.2	.7	.4
Belgium <sup>9</sup> .....	68.6	59.7	50.2	1.0	.4	1.6	5.7	2.1	.6	2.1	1.8
Canada .....	86.7	78.8	5.9	1.1	.8	1.1	4.8	.8	2.3	.5	2.3
Denmark .....	21.2	18.1	9.9	.4	.1	.6	2.0	.4	.7	.6	.8
France .....	119.3	91.3	69.0	2.8	.7	6.6	17.4	11.3	4.0	3.6	4.0
Italy .....	97.5	76.0	52.2	2.9	1.0	6.2	11.0	5.3	2.3	5.0	2.7
Japan .....	210.8	131.7	31.1	3.9	10.3	11.7	51.8	4.3	8.8	8.8	42.1
Netherlands .....	80.6	71.0	60.4	1.1	.2	2.1	5.9	2.3	1.1	1.8	1.9
Spain .....	27.1	21.0	16.4	.5	.3	1.5	3.8	1.7	1.5	1.1	.8
Sweden .....	37.2	32.2	18.6	.8	.2	.9	2.9	.9	.8	.8	1.2
Switzerland .....	37.2	29.2	20.4	1.1	.4	1.7	4.6	1.1	1.3	1.7	2.2
United Kingdom .....	107.0	82.9	51.4	1.7	.8	6.9	13.4	5.0	2.3	6.8	8.1
West Germany .....	242.4	199.1	123.5	9.0	2.9	8.2	21.2	7.4	5.1	8.8	8.2
Percent distribution:											
United States .....	100.0	64.3	24.5	.9	1.4	5.0	27.8	2.8	14.3	3.9	12.0
Australia .....	100.0	59.8	14.9	3.9	4.9	6.1	24.9	2.4	.9	5.2	17.9
Austria .....	100.0	78.8	60.1	9.6	.9	3.8	6.5	2.5	1.1	3.1	1.7
Belgium <sup>9</sup> .....	100.0	87.0	73.1	1.5	.5	2.3	8.3	3.1	.9	3.0	2.8
Canada .....	100.0	99.9	6.8	1.3	.9	1.2	5.5	.9	2.8	.5	2.7
Denmark .....	100.0	85.2	46.7	2.1	.6	2.6	9.2	1.8	3.1	2.8	2.7
France .....	100.0	76.6	57.9	2.3	.6	5.5	14.6	9.5	3.3	3.0	3.4
Italy .....	100.0	78.0	53.6	2.9	1.1	6.4	11.3	5.4	2.3	5.1	2.7
Japan .....	100.0	82.5	14.8	1.8	4.9	5.6	24.6	2.0	4.2	4.2	20.0
Netherlands .....	100.0	68.1	74.9	1.3	.3	2.7	7.3	2.9	1.3	2.3	2.3
Spain .....	100.0	77.2	60.3	1.8	1.2	5.6	13.9	6.4	5.6	3.9	2.1
Sweden .....	100.0	86.6	50.0	2.2	.6	2.4	7.8	2.4	2.0	2.1	3.3
Switzerland .....	100.0	78.3	54.9	3.0	1.1	4.6	12.4	2.9	3.4	4.6	5.8
United Kingdom .....	100.0	77.5	48.0	1.6	.7	6.5	12.5	4.6	2.1	6.4	5.7
West Germany .....	100.0	82.1	50.9	3.7	1.2	3.4	8.7	3.1	2.1	2.8	3.4

<sup>1</sup> Includes other areas not shown separately. <sup>2</sup> Organization for Economic Cooperation and Development. For member countries, see text, section 31. <sup>3</sup> European Economic Community comprises Belgium-Luxembourg, Denmark, France, Greece, Ireland, Italy, Netherlands, Portugal, Spain, United Kingdom, and West Germany. <sup>4</sup> Organization of Petroleum Exporting Countries. For member countries, see footnote 4, table 1422. <sup>5</sup> Comprises trade with all countries other than China: Mainland, North Korea, Vietnam, South Africa, Soviet Union, Eastern Europe, and members of O.P.E.C. and O.E.C.D. <sup>6</sup> All countries comprising the continent except Canada and the United States. <sup>7</sup> Comprises Syria, Lebanon, Israel, Gaza Strip, Jordan, Iraq, Saudi Arabia, Yemen (Aden), Yemen (Sanaa), Kuwait, Bahrain, United Arab Emirates, Qatar, Oman, and Iran. <sup>8</sup> All countries comprising the continent of Asia except Japan, China: Mainland, North Korea, Vietnam, and those countries listed under Middle East. <sup>9</sup> Includes Luxembourg.

Source: Organization for Economic Cooperation and Development, Paris, France. Data derived from *Monthly Statistics of Foreign Trade, series A, July 1987*.

## . 1416. RESERVE ASSETS AND INTERNATIONAL TRANSACTION BALANCES: 1980 TO 1986

\$ of U.S. dollars. Assets include holdings of convertible foreign currencies, special drawing rights, and reserve position in International Monetary Fund and exclude gold holdings. Minus sign (-) indicates debits.]

COUNTRY	TOTAL RESERVE ASSETS				CURRENT ACCOUNT BALANCE			MERCHANDISE TRADE BALANCE		
	1980	1985	1986		1980	1985	1986	1980	1985	1986
			Total	Currency holdings <sup>1</sup>						
AD	15,800	32,100	37,450	17,330	1,840	-116,430	-141,480	-25,500	-122,150	-144,340
AF	3,773	2,819	■	1,312	249	1,015	(NA)	4,056	■	(NA)
AG	8,719	3,124	2,308	2,308	-4,774	-954	(NA)	-1,373	4,877	(NA)
AI	1,080	5,768	7,246	8,684	4,248	8,715	9,232	1,389	1,277	2,170
AL	5,280	4,767	6,182	5,534	-1,725	262	28	6,617	-3,884	4,384
AM	300	337	400	371	757	540	-837	1,580	-1,287	-1,374
AN	7,823	4,849	5,536	4,830	-4,845	671	(NA)	-5,154	-482	(NA)
AO	5,789	10,805	5,803	5,803	-12,805	-273	(NA)	-2,823	■	(NA)
AP	281	34	33	33	-347	-208	(NA)	-380	202	(NA)
AR	189	132	59	55	-440	(NA)	(NA)	38	(NA)	(NA)
AS	3,041	2,503	3,251	2,318	867	432	-5,980	8,001	13,287	7,718
AT	3,123	2,450	2,351	2,351	-1,871	-1,328	-1,081	-784	850	1,100
AW	2,545	12,728	11,453	10,514	(NA)	-11,417	(NA)	(NA)	-13,123	(NA)
AX	4,831	1,595	2,696	2,556	-208	-1,809	423	-297	-23	1,980
AY	3,387	5,429	4,955	4,555	-2,488	-2,728	-4,321	2,023	-771	-1,178
AZ	1,013	718	844	588	-842	85	(NA)	278	1,147	(NA)
BA	1,048	792	829	829	-438	-2,245	(NA)	-2,880	-4,503	(NA)
BB	1,870	3,750	1,787	1,417	-1,409	-677	-808	■	882	1,884
BC	27,340	28,589	31,454	28,428	4,208	907	(NA)	-13,419	4,532	2,119
BD	180	479	513	511	29	134	43	195	38	61
BE	1,348	888	1,519	1,433	2,208	-3,276	(NA)	5,557	-5,053	(NA)
BF	2,080	3,119	3,082	3,082	-577	-52	-1,288	-143	810	-528
BG	8,844	6,420	8,396	5,544	-1,785	-4,177	(NA)	-5,644	-5,816	(NA)
BH	5,392	4,874	4,051	3,819	2,884	1,840	(NA)	9,170	5,822	(NA)
BI	2,880	2,840	3,236	2,836	-2,132	-578	445	2,222	854	1,307
BJ	3,351	3,880	4,880	4,880	-748	957	1,262	3,150	2,427	-1,824
BK	23,126	15,595	19,987	18,132	-9,801	-5,645	4,429	-18,887	-8,318	4,214
BL	20	5	20	11	-1,827	100	(NA)	389	1,482	(NA)
BM	24,636	28,719	42,257	37,857	-10,750	48,170	85,980	2,130	55,990	62,880
BN	482	381	413	388	■	211	(NA)	1,083	347	(NA)
BO	3,829	5,471	5,501	4,713	15,302	4,815	8,180	13,877	4,712	1,979
BP	13,081	5,804	5,953	5,438	8,214	1,880	(NA)	11,551	4,840	(NA)
BQ	4,387	4,812	6,027	6,887	-285	-734	298	2,408	3,577	3,388
BR	2,880	4,908	5,870	5,881	-8,162	1,237	-1,270	-2,830	8,451	■
BS	389	115	211	182	-1,420	-891	(NA)	-1,355	-1,388	(NA)
BT	183	58	87	80	-39	-128	-113	-228	289	■
BV	11,845	10,782	11,191	9,583	-1,043	4,182	4,848	1,415	5,273	6,988
BW	10,235	1,867	1,081	1,081	5,104	1,285	385	11,106	4,353	2,535
BX	8,048	13,917	12,525	11,548	■	2,828	(NA)	1,888	4,880	(NA)
BY	496	807	708	686	-921	-1,080	-700	-2,878	3,230	-2,818
BZ	1,880	1,827	1,430	1,430	82	123	-1,030	837	1,172	-16
CA	2,848	615	1,728	1,675	1,917	8	1,022	-1,838	-482	-202
CC	128	■	888	888	3,417	-886	-1,108	-1,778	347	487
CD	795	1,395	1,458	1,354	-1,084	410	1,144	4,029	-1,457	-1,834
CE	323	199	582	582	-2,389	915	1,408	1,534	1,445	1,917
CF	23,437	25,004	18,324	7,102	42,754	13,255	(NA)	75,155	7,032	(NA)
CG	8,687	12,847	12,839	12,751	1,507	15	478	-4,200	-3,014	-2,328
CH	726	315	370	370	3,508	2,622	3,184	7,430	8,842	7,083
CI	2,925	2,888	3,320	3,301	-5,321	-887	4,617	-4,384	19	4,208
CJ	11,883	11,175	14,755	13,805	5,173	2,851	(NA)	11,728	-4,171	(NA)
CK	248	461	353	353	857	558	(NA)	-784	-857	(NA)
CL	48	12	59	59	320	152	-18	-438	-135	307
CM	3,418	5,793	6,551	5,821	-4,404	-1,150	623	2,188	2,388	5,100
CN	15,856	18,018	21,788	21,334	-1,544	8,208	(NA)	5,881	-1,581	(NA)
CO	337	85	(NA)	(NA)	251	952	(NA)	-1,888	-1,951	(NA)
CP	1,580	2,180	2,804	2,738	2,070	1,537	(NA)	1,902	-1,332	(NA)
CQ	2,781	1,129	386	164	335	-78	(NA)	753	756	178
CR	1,077	1,068	1,485	1,425	3,409	-1,030	1,328	4,803	-2,875	-3,081
CS	20,650	12,860	18,420	14,880	7,083	4,805	-240	3,382	-2,440	12,144
CT	8,804	10,251	8,437	5,028	4,728	3,086	-1,828	6,174	6,790	988
CU	48,582	44,380	51,734	45,888	-15,800	15,740	35,770	8,880	26,950	■
CV	1,384	1,095	1,480	1,480	2,318	(NA)	(NA)	4,889	(NA)	(NA)
CW	204	190	289	289	154	(NA)	(NA)	585	(NA)	(NA)

seems zero. NA Not available. <sup>1</sup> Holdings of convertible foreign currencies. <sup>2</sup> Estimated.

International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly with annual supplements.

## No. 1417. FOREIGN EXCHANGE RATES: 1970 TO 1987

National currency units per dollar, except as noted. Except as indicated, data are annual averages of certified noon buying rates for cable transfers.

YEAR	Australia <sup>1</sup> (dollar)	Austria (schilling)	Belgium (franc)	Canada (dollar)	China: Taiwan (dollar)	Denmark (krone)	France (franc)	Greece (drachma)	Hong Kong (dollar)
1970	111.36	25.880	49.860	1.0103	40.050	7.4880	5.5200	30.00	6.0800
1975	130.77	17.443	36.799	1.0176	38.000	5.7481	4.2878	32.29	4.8080
1976	122.15	17.955	36.808	.9883	38.000	6.0480	4.7824	36.52	4.8040
1977	110.82	18.545	35.848	1.0833	38.000	6.0049	4.9180	36.84	4.8820
1978	114.41	14.525	31.493	1.1405	37.054	5.5182	4.5080	36.75	4.8850
1979	111.77	13.367	29.342	1.1803	36.048	5.2822	4.2586	37.04	5.0030
1980	114.00	12.945	29.237	1.1883	36.015	5.8345	4.2250	42.62	4.8780
1981	114.85	15.948	37.194	1.1880	36.849	7.1350	5.4386	55.41	5.8578
1982	101.85	17.080	45.780	1.2344	39.124	8.3443	6.5793	68.87	6.0887
1983	90.14	17.088	51.121	1.2325	40.085	9.1483	7.5203	87.80	7.2588
1984	87.84	20.005	57.749	1.2953	39.833	10.3540	8.7355	112.73	7.8188
1985	70.03	20.876	59.336	1.3856	39.889	10.5880	8.9789	136.40	7.7911
1986	67.09	15.280	44.682	1.3898	37.837	8.0854	6.9256	139.93	7.8087
1987, June	68.89	12.875	37.967	1.3332	32.914	6.9258	6.1033	135.71	7.8000
	India (rupee)	Ireland <sup>1</sup> (pound)	Italy (lira)	Japan (yen)	Malaysia (ringgit)	Netherlands (guilder)	New Zealand <sup>1</sup> (dollar)	Norway (krone)	Portugal (escudo)
1970	7.576	239.59	623.00	357.80	3.0800	3.5870	111.48	7.1400	26.75
1975	8.409	222.18	653.09	296.78	2.4030	2.5293	121.18	6.2282	25.51
1976	8.971	180.48	633.55	298.45	2.5421	2.6448	99.12	5.4589	30.34
1977	8.789	174.49	682.76	298.82	2.4825	2.4547	98.89	5.3239	38.34
1978	8.198	191.84	848.12	210.38	2.3188	2.1842	103.84	5.2488	44.03
1979	8.156	204.85	831.10	219.02	2.1721	2.0072	102.23	5.0650	48.85
1980	7.887	205.77	856.20	226.63	2.1787	1.9875	97.34	4.9381	50.08
1981	8.881	181.32	1,138.00	220.83	2.3048	2.4986	88.85	5.7430	81.74
1982	9.485	142.05	1,354.00	248.06	2.3385	2.6719	75.10	6.4567	80.10
1983	10.104	124.81	1,519.30	237.55	2.3204	2.8543	68.79	7.3012	111.81
1984	11.348	108.84	1,756.10	237.45	2.3448	3.2083	57.84	8.1596	147.70
1985	12.332	108.62	1,908.90	238.47	2.4806	3.3184	49.75	8.5933	172.07
1986	12.587	134.14	1,481.16	188.35	2.5830	2.4484	52.46	7.3984	148.80
1987, June	12.921	148.08	1,313.18	148.35	2.5224	2.0846	57.11	6.8553	142.20
	Singapore (dollar)	South Africa <sup>1</sup> (rand)	South Korea (won)	Spain (peseta)	Sweden (krona)	Switzerland (franc)	Thailand (baht)	United Kingdom <sup>1</sup> (pound)	West Germany (deutsche mark)
1970	3.0800	139.24	310.57	69.72	5.1700	4.3180	21.000	239.59	3.6480
1975	2.3713	136.47	484.00	57.43	4.1830	2.5838	20.379	222.18	2.4613
1976	2.4708	114.85	484.00	68.96	4.3579	2.5001	20.400	180.48	2.5184
1977	2.4394	114.89	484.00	75.99	4.4801	2.4084	20.400	174.49	2.3238
1978	2.2740	115.01	484.00	78.72	4.5208	1.7908	20.338	191.84	2.0088
1979	2.1746	118.72	484.00	87.18	4.2882	1.9843	20.419	212.24	1.8342
1980	2.1412	128.84	607.43	71.76	4.2309	1.8772	20.476	232.43	1.8175
1981	2.1053	114.77	681.03	92.40	5.0856	1.9674	21.731	202.43	2.8831
1982	2.1406	92.30	731.93	110.09	6.2838	2.0387	23.014	174.80	2.4280
1983	2.1136	89.85	776.04	143.50	7.6717	2.1008	22.991	151.59	2.5038
1984	2.1325	89.53	807.91	189.78	8.2708	2.3500	23.582	133.86	2.8464
1985	2.2008	45.57	861.89	189.88	8.8031	2.4551	27.193	129.74	2.9418
1986	2.1782	43.95	684.61	140.04	7.1272	1.7978	26.314	146.77	2.1704
1987, June	2.1298	48.89	637.41	127.48	6.4249	1.5248	25.870	158.51	1.8310

<sup>1</sup> Value in U.S. cents per unit of foreign currency.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

## No. 1418. EXCHANGE RATES—INDEXES OF VALUE OF FOREIGN CURRENCY RELATIVE TO U.S. DOLLAR: 1970 TO 1986

(1977=100)

YEAR	United States	Canada	Japan	Belgium	Denmark	France	Italy	Netherlands	Norway	Sweden	United Kingdom	West Germany
1970	100.0	101.8	74.8	72.2	80.5	88.9	140.8	67.9	74.5	86.1	137.3	63.7
1971	100.0	105.2	77.1	73.8	81.1	89.2	142.8	70.3	75.8	87.5	140.1	66.8
1972	100.0	107.3	88.4	81.4	88.3	97.4	151.2	78.4	80.8	83.9	143.3	72.8
1973	100.0	106.2	98.9	92.3	98.7	110.8	151.8	88.3	92.6	102.6	140.5	87.8
1974	100.0	108.7	91.9	92.1	98.7	102.3	135.7	91.4	95.4	100.8	134.1	88.9
1975	100.0	104.4	90.3	97.8	104.7	114.8	135.3	97.3	102.1	107.9	127.3	94.5
1976	100.0	107.8	90.4	92.9	99.3	102.9	108.3	92.8	97.5	102.6	103.4	82.2
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	100.0	89.2	128.5	114.0	108.0	109.2	104.0	113.8	101.5	98.9	109.8	115.8
1979	100.0	90.7	122.7	122.2	114.1	115.5	108.2	122.3	105.1	104.2	121.8	128.7
1980	100.0	90.9	118.7	122.7	108.7	118.5	103.2	123.6	107.8	105.6	133.3	127.9
1981	100.0	88.6	121.4	98.8	84.1	90.4	77.5	98.8	92.7	86.2	116.0	103.0
1982	100.0	86.1	107.5	78.3	71.9	74.7	65.2	91.8	82.4	71.1	100.2	95.8
1983	100.0	88.2	112.7	70.1	65.8	64.5	58.1	86.0	72.9	58.2	88.9	90.9
1984	100.0	82.0	112.6	62.0	58.0	56.3	50.3	76.6	68.2	54.0	76.6	81.6
1985	100.0	77.8	112.3	60.4	56.8	54.7	46.2	73.9	61.9	51.9	74.4	78.9
1986	100.0	78.6	159.1	60.2	74.2	71.0	59.2	100.4	71.9	62.7	84.1	107.0

Source: U.S. Bureau of Labor Statistics, News Release USOL 87-237, "International Comparisons of Manufacturing Productivity and Labor Cost Trends", June 18, 1987.

1419. CENTRAL BANK DISCOUNT RATES, MONEY MARKET RATES, AND GOVERNMENT BOND YIELDS—SELECTED COUNTRIES: 1980 TO 1987

nt per annum. Central bank discount rates refer to the rate at which the monetary authority lends or discounts eligible for deposit money banks. Money market rates refer to the rate at which short-term borrowings are effected between d institutions. Government bond yields refer to one or more series representing average yields to maturity of ment bonds or other bonds that would be indicative of longer term rates]

ITIONAL INTEREST RATE AND YEAR	Unit- ed States	Can- da	Japan	France	West Ger- many	Italy	Neth- erlands	Swe- den	Swit- zerland	United King- dom
ank discount rates: <sup>1</sup>										
.....	13.00	17.26	7.25	9.50	7.50	16.50	8.00	10.00	3.00	14.00
.....	8.50	10.26	5.50	9.50	5.00	18.00	5.00	10.00	4.50	( <sup>2</sup> )
.....	8.50	10.04	5.00	9.50	4.00	17.00	5.00	8.50	4.00	( <sup>2</sup> )
.....	8.00	10.16	5.00	9.50	4.50	16.50	5.00	9.50	4.00	( <sup>2</sup> )
.....	7.50	9.49	5.00	9.50	4.00	15.00	5.00	10.50	4.00	( <sup>2</sup> )
.....	5.50	8.49	3.00	9.50	3.50	12.00	4.50	7.50	4.00	( <sup>2</sup> )
lune.....	5.50	8.59	2.50	9.50	3.00	11.50	4.50	7.50	3.50	( <sup>2</sup> )
arket rates: <sup>3</sup>										
.....	13.36	13.26	(NA)	11.85	9.10	17.17	10.13	12.17	2.29	15.62
.....	12.26	14.35	6.94	14.87	8.67	20.16	6.06	13.29	1.32	11.36
.....	9.09	9.62	6.39	12.53	5.36	18.44	5.26	10.86	1.84	9.09
.....	10.23	10.91	6.10	11.74	5.55	17.27	5.78	11.77	3.34	7.62
.....	8.10	9.57	6.46	9.93	5.19	15.25	6.30	13.86	3.75	10.78
.....	6.81	9.30	4.79	7.74	4.57	13.50	5.63	10.15	3.17	10.66
lune.....	6.73	8.50	3.16	8.01	3.61	10.92	5.19	8.22	4.45	8.64
ent bond yields:										
.....	11.46	12.48	9.22	13.03	8.50	16.11	10.21	11.74	4.77	13.79
.....	13.00	14.26	8.06	15.69	8.95	20.90	10.10	13.04	4.83	12.86
.....	11.11	11.79	7.42	13.63	7.99	18.02	6.61	12.30	4.52	10.61
.....	12.52	12.75	8.61	12.54	7.78	14.95	8.33	12.28	4.70	10.89
.....	10.62	11.04	6.34	10.94	6.67	13.00	7.34	13.09	4.78	10.62
.....	7.66	9.52	4.94	6.44	5.92	10.52	6.35	10.26	4.29	9.87
lune.....	8.40	9.78	3.91	9.32	5.60	9.48	6.26	(NA)	4.11	6.90

ot available. <sup>1</sup> End of period. <sup>2</sup> Minimum leading rate suspended as of August 20, 1981. <sup>3</sup> Period averages.  
: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

420. EXTERNAL DEBT OF SOVIET UNION AND EASTERN EUROPEAN COUNTRIES: 1975 TO 1986

[In millions of dollars. Net debt represents gross debt minus assets held with Western commercial banks]

TYPE AND SOURCE	1975	1975	1985	1981	1982	1980	1984	1986	1980
s debt, total .....	41,460	91,888	102,000	105,000	105,000	105,000	101,600	115,000	137,600
ion: Gross debt.....	11,800	19,700	18,890	20,000	19,500	20,900	21,500	26,200	36,700
mercial debt .....	7,340	10,200	9,700	12,600	11,100	12,200	13,100	19,400	26,600
al debt.....	4,300	9,480	9,140	7,420	8,370	8,740	8,440	8,790	10,100
st .....	8,060	10,300	9,490	10,800	8,260	6,860	10,000	14,900	21,700
Gross debt.....	2,640	4,030	3,550	3,050	2,750	2,390	2,260	3,610	4,690
mercial debt .....	2,463	3,620	3,215	2,600	2,265	1,915	1,770	3,060	4,150
al debt.....	187	410	335	370	485	475	480	550	730
st .....	2,257	3,280	2,780	2,225	1,750	1,320	630	1,060	3,500
lovakia: Gross debt.....	1,132	4,100	4,920	4,500	4,050	3,950	3,600	3,830	4,480
mercial debt .....	928	3,500	4,000	3,695	3,110	2,935	2,565	2,840	3,380
al debt.....	206	800	660	805	940	1,015	1,035	900	1,100
st .....	627	3,050	3,670	3,400	3,300	3,010	2,580	2,840	3,260
many: Gross debt.....	5,368	12,300	14,100	14,900	13,000	12,640	12,150	13,900	16,750
mercial debt .....	4,423	10,220	11,255	11,610	9,460	8,875	8,050	10,000	12,650
al debt.....	965	2,000	2,845	3,280	3,540	3,965	4,100	3,900	3,900
st .....	3,748	10,340	11,800	12,300	10,700	9,450	7,610	7,460	9,300
Gross debt .....	3,135	8,140	9,000	6,700	7,700	8,260	8,840	11,780	15,000
mercial debt .....	3,081	8,010	8,790	8,335	6,940	6,950	6,940	9,780	12,380
al debt.....	54	130	300	365	525	740	790	830	1,090
MF <sup>1</sup> .....	-	-	-	-	235	570	1,140	1,170	1,820
st .....	2,195	6,910	7,000	7,050	6,800	6,890	6,740	8,680	12,010
Gross debt.....	8,014	22,689	25,000	25,500	24,890	26,400	26,600	29,300	33,500
mercial debt .....	5,910	(NA)	14,900	14,215	13,640	10,900	9,400	10,800	12,100
al debt.....	2,104	(NA)	10,100	11,285	11,180	15,500	17,400	18,700	21,400
st .....	7,381	21,500	24,350	24,700	23,900	25,130	25,250	27,710	31,790
Gross debt .....	2,924	6,950	9,400	10,160	9,760	8,780	7,100	6,600	6,000
mercial debt .....	2,024	5,100	6,545	6,167	5,415	4,770	3,430	2,900	2,700
al debt.....	708	900	1,670	1,645	1,430	675	1,070	1,100	1,100
World Bank/CEMA bank <sup>1</sup> .....	194	950	1,165	2,148	2,935	3,115	2,600	2,600	2,209
st .....	2,449	6,650	9,100	9,815	9,400	8,250	6,450	6,140	5,500
ic: Gross debt.....	6,584	13,660	17,606	18,337	16,488	19,000	18,820	19,180	19,390
mercial debt .....	4,280	10,150	12,911	12,200	11,928	10,315	8,955	7,780	7,390
al debt.....	1,557	1,931	2,578	3,222	3,050	4,800	5,765	7,130	7,740
World Bank <sup>1</sup> .....	747	1,599	2,119	2,915	3,510	4,085	4,100	4,270	4,230
st .....	5,804	12,477	16,237	16,830	17,718	18,080	17,890	17,700	17,900

resents zero. NA Not available. <sup>1</sup> BIS=Bank of International Settlements. IMF=International Monetary Fund.  
ouncil for Economic Mutual Assistance.  
: U.S. Central Intelligence Agency, *Handbook of Economic Statistics, 1987*; and unpublished data.

### NO. 1421. TOTAL EXTERNAL PUBLIC DEBT, 1980 TO 1985, AND BY TYPE OF CREDITOR, 1985, AND DEBT SERVICE PAYMENTS AND RATIO, 1980 TO 1985

[External public debt is defined as debt repayable to external creditors in foreign currency, goods, or services, with an original or extended maturity of more than one year, which is a direct obligation of, or has repayment guaranteed by, a public body in the borrowing country. Excludes undischarged debt (amounts not yet drawn by recipient) and unguaranteed private debt, which for some countries is substantial. Debt contracted for the purchase of military equipment is not usually reported. Debt service payments represent the sum of interest payments and repayments of principal on external public debt.]

COUNTRY	TOTAL EXTERNAL PUBLIC DEBT (mil. dol.)							DEBT SERVICE PAYMENTS (mil. dol.)			DEBT SERVICE RATIO <sup>a</sup> (percent)		
	1980	1983	1984	1985				1980	1984	1985	1980	1984	1985
				Total <sup>1</sup>	Bilateral official	Banks <sup>2</sup>	Inter-national organizations						
Algeria	16,296	12,965	12,211	13,664	2,216	8,428	480	3,858	4,559	4,564	28.6	32.8	33.3
Argentina <sup>a</sup>	10,181	25,445	26,748	35,604	2,214	30,553	1,932	1,987	2,563	4,314	17.7	25.9	41.7
Bangladesh	3,548	4,865	5,155	5,968	2,996	48	2,866	77	173	214	7.1	14.3	16.7
Bolivia	2,229	3,105	3,203	3,259	1,691	840	757	290	321	214	27.8	37.8	29.1
Brazil	40,106	59,494	68,536	73,894	7,113	57,543	6,921	8,040	7,513	7,778	34.5	24.8	26.6
Burma <sup>a</sup>	1,452	2,225	2,250	2,947	1,873	186	744	112	180	197	22.6	37.4	(NA)
Cameroon	2,049	1,829	1,738	1,975	861	304	709	186	222	238	8.9	8.7	8.3
Chile	4,740	6,872	10,639	12,734	714	10,186	1,481	1,376	1,259	1,230	21.9	26.2	26.2
China: Mainland	793	3,280	4,023	7,020	(NA)	(NA)	(NA)	85	343	(NA)	.3	1.2	(NA)
Colombia	4,084	6,885	7,980	9,377	1,916	3,636	3,245	529	1,095	1,407	9.0	20.5	29.2
Congo	1,117	1,519	1,558	1,780	834	671	309	93	258	323	9.0	18.0	(NA)
Costa Rica	1,701	3,325	3,358	3,685	1,007	1,911	738	205	350	464	16.6	26.7	26.6
Dominican Republic	1,191	2,181	2,384	2,521	1,186	735	587	154	187	220	11.7	12.1	(NA)
Ecuador	3,900	6,269	6,634	7,121	1,149	4,908	914	858	981	939	16.8	33.4	28.6
Egypt	12,388	15,403	16,368	17,751	10,836	848	3,988	1,401	1,828	2,248	21.5	24.8	33.9
El Salvador	527	1,346	1,387	1,480	678	150	634	42	194	198	3.3	20.3	(NA)
Ethiopia	701	1,225	1,398	1,742	852	152	699	34	84	105	6.0	13.5	(NA)
Ghana	1,098	1,132	1,113	1,170	461	3	586	94	82	82	7.7	13.6	12.2
Greece	4,788	8,206	9,457	12,452	705	9,870	1,741	916	1,344	1,780	10.9	18.3	24.8
Guatemala	548	1,389	1,991	2,148	844	793	711	45	195	255	2.4	15.4	21.3
Guinea	1,032	1,249	1,170	1,292	814	45	263	95	118	86	(NA)	(NA)	(NA)
Honduras	991	1,814	1,880	2,178	829	408	1,088	98	130	170	10.2	14.9	17.6
Hungary	6,409	6,548	7,380	10,138	953	7,942	345	1,417	2,539	2,562	13.9	24.2	25.0
India <sup>a</sup>	17,560	21,152	22,295	26,649	10,456	3,218	12,746	1,038	1,484	1,886	8.4	10.7	13.3
Indonesia	14,871	21,685	22,862	26,625	9,854	7,894	5,103	1,768	3,251	4,015	7.9	14.7	20.1
Israel	11,495	14,988	15,785	15,850	11,161	4,584	88	1,392	1,798	2,110	14.2	17.1	18.7
Ivory Coast	4,334	4,793	4,955	5,700	1,401	2,688	1,217	874	905	577	24.0	19.7	17.4
Jamaica	1,436	2,394	2,554	2,823	1,837	428	732	202	253	306	14.2	19.0	36.5
Jordan	1,279	2,230	2,487	2,893	1,441	674	399	133	207	454	7.6	10.4	22.1
Kenya	2,241	2,431	2,624	2,857	1,094	384	1,343	253	348	386	12.3	21.4	25.5
Madagascar	858	1,060	1,087	2,340	1,381	307	498	59	74	117	11.5	16.9	(NA)
Malaysia	3,858	10,593	12,226	13,834	2,086	9,961	1,172	378	1,480	3,889	2.5	7.8	22.3
Mauritania	732	1,186	1,204	1,383	887	82	341	30	43	78	11.1	19.1	(NA)
Mexico	33,987	86,759	70,071	72,510	2,645	63,894	5,754	7,801	11,343	10,877	32.1	34.6	36.9
Morocco	7,110	10,153	10,558	11,230	5,403	3,642	1,778	1,193	781	1,034	36.5	25.2	32.3
Nicaragua	1,683	3,383	4,010	4,753	2,891	1,307	720	82	64	41	18.0	(NA)	(NA)
Nigeria	4,238	12,237	11,841	13,016	978	8,456	1,917	504	3,155	4,004	1.8	25.5	30.8
Oman	440	1,132	1,345	1,946	253	1,484	113	197	214	255	5.1	4.5	4.8
Pakistan	8,786	9,753	9,980	10,681	6,914	837	3,031	583	937	1,072	17.9	27.1	29.5
Panama	2,283	3,147	3,230	3,278	403	2,089	741	468	536	432	8.0	8.2	6.8
Papua New Guinea	510	927	980	1,061	116	581	390	61	138	131	5.6	13.4	(NA)
Paraguay	633	1,144	1,267	1,525	503	458	528	80	117	153	11.6	13.5	12.8
Peru	8,169	8,664	9,812	10,527	3,449	4,380	1,314	1,512	582	299	31.2	14.6	7.9
Philippines	6,594	10,578	11,612	13,561	3,378	6,237	3,504	589	1,115	1,257	7.4	13.9	15.8
Portugal	6,578	9,958	10,036	10,803	1,336	8,102	1,217	1,033	2,631	2,502	16.1	38.8	31.5
Romania	7,131	7,577	8,337	5,801	1,103	2,998	1,829	1,156	1,851	1,773	8.5	13.6	13.8
Senegal	981	1,487	1,530	1,989	1,175	245	563	179	84	89	20.1	(NA)	(NA)
Singapore	1,320	1,495	1,905	1,791	248	1,234	138	283	317	722	1.0	1.0	2.4
Somalia	714	1,236	1,277	1,308	758	35	499	9	27	57	4.3	25.1	44.8
South Korea	16,227	22,889	24,983	29,126	5,724	17,261	4,435	2,770	4,671	5,030	12.3	13.9	15.2
Sri Lanka	1,344	2,215	2,422	2,815	1,426	906	742	84	202	226	8.3	11.2	13.9
Sudan	3,802	5,684	5,863	5,066	3,182	888	890	104	104	130	10.1	13.2	15.6
Syria	2,107	2,306	2,416	2,751	2,132	45	478	297	330	380	11.8	12.9	14.8
Tanzania	2,042	2,862	2,758	2,962	1,348	328	1,085	73	69	61	10.2	(NA)	(NA)
Thailand	4,100	7,000	7,539	9,898	2,649	3,814	3,088	434	1,251	1,489	5.1	12.0	14.7
Trinidad and Tobago	623	886	915	1,087	180	868	42	216	127	184	6.4	4.6	7.1
Tunisia	3,230	3,858	3,802	4,442	2,310	1,101	808	431	854	677	12.9	23.4	24.9
Turkey	15,441	15,887	16,112	17,821	7,558	4,798	4,913	881	2,288	3,502	24.0	23.4	30.9
Uruguay	1,127	2,510	2,545	2,686	142	2,226	295	196	411	406	12.4	29.8	30.8
Venezuela	10,873	12,914	17,249	16,650	87	16,441	74	2,964	2,537	2,180	13.3	13.4	12.9
Yemen (Aden)	499	903	1,044	1,446	1,117	-	329	14	77	114	7.7	47.9	(NA)
Yemen (Sanaa)	800	1,574	1,888	1,888	1,377	10	478	21	88	126	6.1	28.9	65.8
Yugoslavia <sup>a</sup>	4,598	7,252	8,681	9,910	2,287	5,452	2,200	816	948	1,170	4.5	8.0	9.3
Zaire	4,288	4,380	4,238	4,821	3,388	840	883	305	318	341	16.7	14.8	(NA)
Zambia	2,182	2,816	2,812	3,214	1,770	441	780	294	117	86	18.1	12.0	10.2
Zimbabwe	897	1,539	1,413	1,528	400	850	251	44	272	326	2.8	19.9	(NA)

- Represents zero. NA Not available. <sup>1</sup> Includes other types of creditors, not shown separately. <sup>2</sup> Includes other private financial institutions. <sup>3</sup> Debt service payments as percent of exports. <sup>4</sup> The increase in debt outstanding from 1980 to 1983 includes the refinancing of short-term private debt by public debt, which matures in 1986-87. <sup>5</sup> Fiscal year basis. <sup>6</sup> The bulk of the debt of Yugoslavian enterprises is reported as nonguaranteed.

Source: The World Bank, Washington, DC, World Debt Tables, periodic.

### NO. 1422. NET FLOW OF FINANCIAL RESOURCES TO DEVELOPING COUNTRIES, BY ORIGIN AND TYPE OF RESOURCE: 1970 TO 1986

(In billions of U.S. dollars. Net flow covers loans, grants, and grant-like flows minus amortization on loans. Military flows are excluded. Developing countries cover countries designated by Development Assistance Committee as developing. The DAC list differs from the UN list (see table 1378) by the inclusion of Greece, Malta, Portugal, Spain (through 1981), and Yugoslavia, and the exclusion of South Africa. Official development assistance covers all flows to developing countries and multilateral institutions provided by official agencies, including State and local governments, or by their executive agencies, which are administered with the promotion of economic development and welfare of developing countries as their main objective and whose financial terms are intended to be concessional in character with grant element of at least 25 percent. Other official flows cover export credits and portfolio investment from the official sector.)

ORIGIN AND TYPE OF RESOURCE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, est.
Development Assistance Committee countries <sup>1</sup>	15.9	44.8	75.9	75.3	91.4	84.0	70.1	84.3	47.3	69.2
Official development assistance	8.9	13.8	22.6	27.3	25.5	27.7	27.6	29.7	29.4	30.8
Bilateral grants <sup>2</sup>	3.3	6.3	11.7	14.1	13.2	13.4	14.2	15.5	17.8	21.0
Bilateral loans	2.4	3.5	4.6	4.0	5.0	5.0	4.4	4.2	4.1	5.2
Multilateral contributions <sup>3</sup>	1.3	4.0	6.5	9.2	7.3	9.3	9.0	9.0	7.6	10.6
Other official flows	1.1	3.9	2.9	5.3	6.6	7.4	4.9	8.2	3.4	3.6
Private flows at market terms	7.0	26.7	48.1	40.7	57.2	48.6	35.4	46.8	11.5	25.6
Direct investment	3.7	10.3	12.4	10.5	15.4	10.4	7.8	11.1	6.6	10.2
Private export credits	2.2	3.5	9.4	11.5	10.5	7.3	5.3	4.2	1.5	3.5
Portfolio investment	1.2	11.9	26.3	18.7	31.3	26.8	22.2	31.5	3.4	11.9
Private voluntary agencies	.8	1.3	2.0	2.4	2.0	2.3	2.3	2.6	2.9	3.3
Organization of Petroleum Exporting Countries <sup>4</sup>	.8	8.8	8.0	10.8	10.8	7.7	5.8	3.7	4.1	(NA)
Official development assistance	.4	8.2	7.4	9.7	8.3	5.8	5.0	4.6	3.6	4.6
Other official flows	.2	2.6	.6	1.1	2.5	1.9	.9	-.9	.5	(NA)
Centrally-planned economies <sup>5</sup>										
Official development assistance	1.0	1.5	2.1	2.6	3.1	3.2	3.1	3.2	3.6	4.2
Total net flow to developing countries, by DAC country <sup>1</sup>	15.9	44.8	75.9	75.3	91.4	84.0	70.1	84.3	47.3	69.2
United States	8.4	17.7	18.8	19.9	28.4	20.2	23.0	28.6	1.8	12.1
Official development assistance	3.2	4.2	4.7	7.1	5.8	8.2	8.1	6.7	8.4	9.6
Bilateral grants <sup>2</sup>	1.4	1.7	2.6	3.0	3.2	3.8	4.5	5.6	7.3	7.0
Bilateral loans	1.3	1.2	1.8	1.4	1.2	1.1	1.0	.8	.9	.8
Multilateral contributions <sup>3</sup>	.5	1.2	.6	2.6	1.5	3.3	2.5	2.3	1.2	2.0
Other official flows	.1	.9	1.1	1.1	.9	1.8	(2)	1.0	.2	-.8
Private flows at market terms	2.6	11.6	12.0	4.3	18.7	18.1	13.6	17.4	-.9	1.3
Direct investment	1.9	7.2	8.0	3.4	6.5	5.5	2.3	4.4	.9	3.1
Private export credits and portfolio investment	.8	4.6	4.0	.9	12.2	13.6	11.2	13.0	-10.2	-1.8
Private voluntary agencies	.8	.8	1.0	1.3	1.0	1.3	1.3	1.5	1.5	1.8
Australia	.4	.8	.9	.9	.8	1.2	1.0	1.5	1.2	1.6
Austria	.1	.2	.3	.3	.3	.1	.1	.1	.2	.3
Belgium	.3	.9	2.3	2.9	2.8	.7	1.0	3.5	1.9	-.9
Canada	.8	2.0	2.4	3.2	5.8	1.9	2.6	2.6	1.7	1.6
Denmark	.1	.3	.8	.8	.9	.8	1.1	.6	.4	.9
Finland	(2)	1	.2	.2	.2	.2	.2	.3	.3	.4
France	1.8	3.8	8.8	11.6	11.5	13.6	9.3	8.9	8.9	9.8
Ireland	(NA)	(2)	(2)	(2)	(2)	(2)	(2)	1	.1	.1
Italy	.7	1.6	4.1	4.0	3.7	5.0	3.1	2.3	2.2	2.7
Japan	1.8	2.8	7.6	8.8	12.2	8.8	8.0	18.0	12.8	14.2
Netherlands	.4	1.3	2.0	2.4	2.2	2.5	2.2	2.0	2.6	2.8
New Zealand	(2)	.1	1	1	.1	1	1	1	1	1
Norway	.1	.3	.8	.9	.7	.8	7	1.6	1.7	1.9
Sweden	.2	.8	1.2	1.9	1.4	1.8	1.3	1.3	1.4	1.7
Switzerland	.1	.7	5.0	2.7	2.3	2.2	3.3	3.4	2.3	3.5
United Kingdom	1.3	6.6	13.5	12.2	11.9	6.3	5.8	4.8	2.4	7.4
West Germany	1.5	5.0	7.3	10.8	8.1	7.0	7.0	8.5	5.7	7.8

NA Not available. Z Less than \$50 million. <sup>1</sup> Includes flows to OPEC countries (see footnote 4). Comprises as donors Australia, Austria, Belgium, Canada, Denmark, Finland, France, Ireland, Italy, Japan, Netherlands, New Zealand, Norway, Sweden, Switzerland, United Kingdom, United States, and West Germany. <sup>2</sup> Includes "grant-like" flows (i.e., loans repayable in recipient's currencies). <sup>3</sup> Includes capital subscriptions to multilateral organizations in the form of demand instruments as of date of issue. <sup>4</sup> Algeria, Ecuador, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. <sup>5</sup> Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, and Soviet Union.

### NO. 1423. PER CAPITA PUBLIC AND PRIVATE AID TO DEVELOPING COUNTRIES: 1980 TO 1986

(In dollars. See headnote, table 1422. Private aid figures exclude government subsidies to voluntary agencies. Countries are ranked by per capita gross national product in 1986.)

COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID			COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID		
	1980	1985	1986	1980	1985	1986		1980	1985	1986	1980	1985	1986
Switzerland	40	48	1 08	10	8	1 8	France	77	72	83	1	1	1 1
United States	31	39	1 41	6	6	7	Austria	34	33	38	3	2	1 3
Japan	26	31	46	(2)	(2)	(2)	Netherlands	116	78	119	6	7	10
Norway	119	136	191	6	12	14	Belgium	66	46	1 56	5	2	(2)
Sweden	116	101	130	7	9	10	United Kingdom	33	27	1 31	2	3	1 3
Denmark	92	86	136	3	3	1 4	Australia	46	48	47	3	3	2
West Germany	56	48	64	7	7	9	Italy	12	19	42	(2)	(2)	(2)
Finland	23	49	64	9	3	(2)	New Zealand	23	17	1 23	2	3	1 2
Canada	45	64	98	4	7	7	Ireland	9	11	1 17	-	6	8

- Represents zero. Z Less than 50 cents. <sup>1</sup> Estimated.

Source of tables 1422 and 1423: Organization for Economic Cooperation and Development, Paris, France, unpublished data.



## NO. 1424. MILITARY EXPENDITURES IN CURRENT AND CONSTANT (1983) DOLLARS: 1975 TO 1984

[In millions of dollars, except as indicated. See also table 517. For most countries, data for expenditures and for GNP were based on local currencies which were deflated to constant 1983 local currency values before conversion to U.S. dollar equivalents. In general, the rates used for conversion are the 1983 average per-market exchange rates as supplied by the International Bank for Reconstruction and Development]

COUNTRY	CURRENT DOLLARS					CONSTANT (1983) DOLLARS					Per capita (dollars)		Percent of GNP <sup>1</sup>	
	1975	1980	1982	1983	1984	1975	1980	1984	1980	1984	1980	1984	1980	1984
United States	90,950	144,000	196,400	217,200	237,100	157,900	174,200		705	966	5.3	6.3		
Algeria <sup>2</sup>	423	988	1,921	1,420	1,409	734	1,171	1,357	62	83	2.9	2.7		
Argentina	781	2,036	3,461	2,746	2,327	1,367	2,463	2,250	67	74	3.6	3.7		
Australia	1,536	2,969	3,851	4,308	4,067	2,672	3,583	4,502	246	291	2.5	2.9		
Austria	344	804	1,773	1,890	1,821	597	731	1,801	97	118	1.1	1.3		
Belgium	1,253	2,241	2,829	2,672	2,669	2,175	2,712	2,580	275		3.3	3.1		
Brazil	994	1,191	1,833	1,726	1,778	1,726	1,441	1,719	12	13	7	8		
Bulgaria <sup>2</sup>	2,181	3,121	4,137	4,310	4,532	3,786	3,777	4,381	426	480	7.3	7.8		
Canada	2,903	4,739	6,245	6,563	7,804	5,039	5,727	7,360	236	292	1.9	2.2		
Chile	404	625	742	759	817	700	757	790	68	67	3.6	4.2		
China:														
Mainland <sup>2</sup>	12,730	19,080	21,880	22,670	24,040	22,110	23,070		23	23	10.5	7.5		
Taiwan	1,099	2,353	3,536	4,065	3,867	1,806	2,847	3,736	180	196	6.6	6.6		
Cuba <sup>2</sup>	393	1,140	1,330	1,470	1,800	862	1,360	1,547	143	155	6.5	5.9		
Czechoslovakia <sup>2</sup>	3,715	5,366	6,885	7,271	7,642	6,449	6,518	7,386	427	478	6.4	5.8		
Denmark	682	1,091	1,319	1,375		1,183	1,320	1,348	258	284	2.6	2.4		
East Germany <sup>2</sup>	4,887	7,265	9,293	9,966	10,680	6,136	6,781	10,330	625	619	5.8	6.3		
Egypt <sup>2</sup>	3,693	2,322	5,476	6,894	6,122	6,237	2,810	4,952	67	104	9.2	13.5		
El Salvador <sup>2</sup>	29	101	154	180	251	51	123	243	26	50	2.7	6.1		
Finland	329	584	707	843	790	570	719	784	150	156	1.6	1.5		
France	6,459	16,700	20,340	21,650	22,350	16,420	20,210	21,800	375		4.0	4.1		
Greece	1,086	1,615	2,273	2,195	2,664	1,903	1,954	2,575	203	280	5.5	7.2		
Hungary <sup>2</sup>	1,827	2,640	3,114	3,197	3,286	3,171	3,195	3,177	298	298	4.4	4.1		
India	2,489	4,496	5,948	6,776	7,141	4,336	5,441	5,903	8	9	3.4	3.6		
Indonesia	1,024	1,726	2,268	2,125	2,211	1,778	2,089	2,138	13	13	3.1	2.6		
Iran <sup>2</sup>	12,210	7,536	9,283	8,183	11,380	22,940	8,121	10,980	235	251	6.6	7.2		
Iraq <sup>2</sup>	3,066	11,230	14,080	13,990	14,640	5,308	13,590	14,180	1,035	844	22.5	42.5		
Israel	3,546	6,065	5,456	6,308	7,208	6,155	7,364	6,866	1,955	1,721	30.4	27.1		
Italy	4,224	7,135	8,903	9,461	10,110	7,331	8,635	9,771	153	171	2.4	2.7		
Japan	4,280	6,155	10,470	11,600	12,700	7,430	9,888	12,280	84	102	8	1.0		
Kuwait	692	897	1,127	1,408	1,438	1,201	1,066	1,391	793	660	3.0	5.3		
Malaysia	493	675	1,545	1,443	1,193	752	1,056	1,154	77	76	4.4	3.9		
Mexico	444	471	693	726	906	771	570	634	8	12	4	7		
Morocco	250	639	803	857	886	434	773	643	38	26	6.6	5.0		
Netherlands	2,191	3,450	4,059	4,257	4,510	3,803	4,175	4,360	295	302	3.1	3.2		
Nicaragua <sup>2</sup>	39	161	330	348	473	68	163	457	67	146	5.8	13.4		
Nigeria	2,314	1,980	1,758	1,644	1,210	4,018	2,371	1,170	26	12	2.7	1.7		
North Korea <sup>2</sup>	2,000		4,600	4,900	5,200	3,472	4,235	5,027	237	256	22.8	22.8		
Norway	767	1,250	1,531	1,699	1,679	1,332	1,513	1,823	370	382	3.0	2.9		
Oman	699	1,180	1,865	1,844	2,111	1,213	1,428	2,040	1,480	1,728	22.1	27.7		
Pakistan	664	1,088	1,499	1,934	1,980	1,153	1,292		15	20	5.0	6.9		
Peru <sup>2</sup>	436	851	970	921	1,460	757	1,030	1,402	60	73	4.8	7.1		
Philippines	422	512	533	549	598	732	819	963	12	7	1.9	1.2		
Poland <sup>2</sup>	6,355		12,350	12,240	13,440	11,030	11,570	12,880	325	352	5.2	5.7		
Portugal	468	578	680	693	690	813	700	656	71	66	3.3	3.5		
Qatar	66	604	(NA)	(NA)	(NA)	147	731	(NA)	3,164	(NA)	9.9	(NA)		
Romania <sup>2</sup>	2,852	3,794	4,914	5,189	5,360	4,951	4,591	5,172	207	226	4.3	4.4		
Saudi Arabia	6,380	16,330	24,010	27,020	22,220	11,040	19,780	21,480	2,086	1,990	14.4	21.3		
Singapore	257	582	773	724	1,015	446	704	982	232	388	5.3	5.3		
South Africa	1,414	3,219	2,779	3,737	3,540	2,454		3,422	136	106	5.2	4.2		
South Korea	1,144	3,069	4,052	4,390	4,590	1,865	3,714	4,437	94	106	6.1	5.4		
Soviet Union <sup>2</sup>	121,000	196,000	232,000	247,000	260,000	210,000	237,200	251,300	693	914	12.8	12.8		
Spain	2,192	2,437	3,085	3,335	3,639	3,806	2,949	3,512	76	91	1.9	2.2		
Sweden	1,573	2,251	2,737	2,688		2,731	2,736	2,831	329	340	3.1	3.1		
Switzerland	1,028	1,848	1,945	2,055	2,203	1,775	1,994	2,130	312	331	2.0	2.6		
Syria	1,145	2,316	2,730	4,044	4,255	1,867	2,802	4,114	319	405	16.9	22.4		
Thailand	381	1,123	1,442	1,519	1,662	827	1,359	1,626	29	32	4.0	3.9		
Turkey	1,312	1,563	2,450	2,489	2,467	2,278	1,926	2,385	43	48	4.4	4.5		
United Arab Emirates	34	1,724	1,980	1,973	1,932	59	2,087	1,886	2,118	1,500	6.2	7.4		
United Kingdom	11,610	18,190	21,070	24,170	25,410	20,150		24,570	381	436	5.0	5.3		
Venezuela	675	747	1,143	995	1,067	1,172	909	1,031	60	61	1.3	1.8		
West Germany	11,480	17,680	20,970	22,130	22,780	19,940	21,390	22,020	547	580	3.3	3.3		
Yugoslavia		1,664	1,707	1,665	1,791	1,691	2,013	1,731	90	75	4.3	3.8		

NA Not available. <sup>1</sup> Military expenditure as percent of gross national product. For additional information on comparisons between communist and noncommunist countries, see footnote 4, table 517. <sup>2</sup> Estimated.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

O. 1425. ARMED FORCES PERSONNEL—NUMBER AND RATE, BY COUNTRY: 1975 TO 1984

all data as of July. Armed Forces refer to active-duty military personnel, including paramilitary forces where those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included.

COUNTRY	ARMED FORCES PERSONNEL (1,000)						ARMED FORCES PER 1,000 POPULATION					
	1975	1980	1981	1982	1983	1984	1975	1980	1981	1982	1983	1984
<b>USSR</b>	2,098	2,101	2,188	2,201	2,222	2,244	9.7	9.2	8.4	9.5	9.5	9.5
<b>Algeria</b>	80	101	101	120	130	170	5.0	5.4	5.2	6.0	6.3	7.8
<b>Angola</b>	180	155	155	175	175	174	8.1	5.5	5.4	6.0	5.8	5.8
<b>Argentina</b>	70	71	72	73	73	71	5.1	4.8	4.8	4.8	4.8	4.8
<b>Australia</b>	50	40	40	40	50	40	6.6	5.3	5.3	5.3	6.6	5.3
<b>Austria</b>	103	108	110	108	109	107	10.5	10.8	11.1	11.0	11.1	10.9
<b>Bahamas</b>	455	450	450	480	480	458	4.2	3.7	3.6	3.6	3.5	3.4
<b>Bahrain</b>	175	162	165	175	177	177	20.1	18.3	18.6	19.6	19.8	19.8
<b>Bangladesh</b>	78	82	81	82	81	82	3.4	3.4	3.3	3.3	3.3	3.3
<b>Barbados</b>	110	116	116	115	126	123	10.8	10.5	10.4	10.2	10.8	10.4
<b>Belize</b>	4,300	4,850	4,750	4,350	4,100	4,100	4.7	4.7	4.6	4.3	4.0	4.0
<b>Bhutan</b>	504	485	481	457	454	470	31.3	28.1	25.4	24.8	24.2	24.7
<b>Bolivia</b>	120	220	225	230	250	287	12.8	22.8	23.2	23.5	25.3	28.7
<b>Bosnia</b>	210	212	212	213	214	213	14.2	13.9	13.6	13.9	13.8	13.8
<b>Botswana</b>	34	33	33	32	30	31	6.7	6.4	6.4	6.2	5.9	6.1
<b>Brazil</b>	220	231	232	233	240	240	13.1	13.8	13.9	14.0	14.4	14.4
<b>Bulgaria</b>	400	447	447	447	447	486	10.8	10.6	10.2	9.9	9.8	9.8
<b>Burkina Faso</b>	8	16	23	28	32	45	1.8	3.4	5.0	6.0	6.7	9.2
<b>Burundi</b>	40	36	36	38	40	■	8.5	7.5	7.5	7.5	8.2	8.2
<b>Cameroon</b>	585	575	575	578	578	571	11.1	10.7	10.6	10.6	10.6	10.4
<b>Canada</b>	185	188	■	188	177	187	20.5	19.3	19.3	19.0	18.0	19.9
<b>Cape Verde</b>	12	14	17	17	18	20	3.8	3.7	4.3	4.2	4.5	4.8
<b>Cayman Islands</b>	116	119	120	110	105	105	11.2	11.1	11.2	10.3	9.8	9.8
<b>Central American and Caribbean</b>	1,670	1,104	1,104	1,120	1,250	1,380	2.7	1.6	1.6	1.6	1.7	1.8
<b>Chad</b>	280	250	265	280	280	281	1.9	1.6	1.7	1.7	1.7	1.7
<b>Chile</b>	385	305	280	240	240	335	11.5	7.9	6.5	5.6	5.6	7.6
<b>China</b>	155	430	392	404	434	788	13.8	32.7	28.9	28.8	29.9	52.5
<b>Colombia</b>	172	198	201	205	205	205	51.1	52.0	52.4	52.6	51.7	50.6
<b>Costa Rica</b>	459	500	505	517	■	508	8.3	8.9	8.9	8.1	8.8	8.9
<b>Cote d'Ivoire</b>	237	242	241	243	241	241	2.1	2.1	2.0	2.1	2.0	2.0
<b>Croatia</b>	25	12	12	13	13	15	24.8	8.8	8.4	8.7	8.3	9.2
<b>Cuba</b>	78	83	80	85	105	105	6.2	6.0	6.4	6.6	7.1	8.9
<b>Czech Republic</b>	■	120	125	130	130	129	1.5	1.7	1.7	1.8	1.7	1.7
<b>Dominican Republic</b>	75	117	120	125	135	■	4.1	5.7	5.7	5.8	6.1	6.6
<b>Dominica</b>	107	107	108	108	104	103	7.8	7.6	7.6	7.4	7.2	7.1
<b>Dominican Republic</b>	5	24	39	41	46	67	2.1	8.7	13.6	13.9	15.2	21.4
<b>DRC</b>	270	150	144	144	144	144	3.5	1.7	1.5	1.5	1.5	1.4
<b>Ecuador</b>	470	700	788	782	784	784	29.6	38.1	41.9	41.7	40.9	39.9
<b>Egypt</b>	38	40	39	40	41	39	9.6	9.7	9.4	9.7	9.9	9.4
<b>El Salvador</b>	12	15	15	15	20	25	15.7	15.3	14.6	13.9	17.7	21.2
<b>Equatorial Guinea</b>	502	487	549	584	584	648	6.7	5.5	6.2	6.4	6.2	6.7
<b>Eritrea</b>	96	151	157	184	167	135	6.3	8.7	8.8	9.0	8.9	7.0
<b>Estonia</b>	120	155	156	157	157	157	2.7	3.1	3.0	3.0	2.9	2.8
<b>Ethiopia</b>	435	421	424	429	430	430	12.8	11.8	11.8	11.8	11.8	11.8
<b>Fiji</b>	104	88	■	91	83	100	11.0	9.0	9.0	9.2	9.4	10.0
<b>Finland</b>	5	5	5	5	6	6	30.3	25.1	24.8	23.6	22.5	21.5
<b>France</b>	220	215	214	238	244	244	10.4	9.7	9.6	10.6	10.8	10.6
<b>Ghana</b>	75	79	79	80	80	95	10.3	8.4	8.1	7.9	7.7	8.8
<b>Germany</b>	27	50	59	60	60	59	11.9	20.7	24.1	24.3	24.0	23.3
<b>Ghana</b>	50	70	78	78	77	97	2.0	2.4	2.6	2.6	2.5	3.1
<b>Greece</b>	630	600	606	601	602	602	17.2	15.2	15.1	14.7	14.6	14.3
<b>Greenland</b>	4,100	4,400	4,400	4,500	4,500	4,500	18.1	18.6	18.4	16.7	16.5	16.4
<b>Guatemala</b>	375	341	341	353	340	411	10.5	9.1	9.0	9.3	8.9	10.7
<b>Haiti</b>	75	70	70	70	66	69	9.2	8.4	8.4	8.4	8.2	8.3
<b>Honduras</b>	25	23	23	23	26	25	3.9	3.6	3.6	3.6	4.3	3.9
<b>Hungary</b>	230	250	270	300	400	402	31.0	28.4	29.7	31.8	40.9	39.6
<b>Iceland</b>	227	234	250	250	250	250	5.4	5.0	5.2	5.1	5.0	4.9
<b>India</b>	584	717	741	789	824	815	14.4	15.9	16.0	16.3	17.0	16.5
<b>Indonesia</b>	21	44	44	44	44	44	40.4	44.7	40.7	38.1	36.5	35.3
<b>Iran</b>	348	330	341	335	333	336	6.2	5.9	6.0	5.9	5.9	6.0
<b>Ireland</b>	55	55	55	58	58	64	4.3	3.7	3.6	3.5	3.4	3.8
<b>Israel</b>	643	905	1,000	1,000	1,000	1,000	25.8	16.8	16.2	17.6	17.4	16.9
<b>Italy</b>	491	490	493	495	495	487	7.9	8.0	8.0	8.0	8.1	8.0
<b>Jamaica</b>	270	258	260	258	259	259	12.8	11.6	11.6	11.4	11.4	11.3

U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.



## Appendix I

# Guide to — Sources of Statistics, State Statistical Abstracts, and Foreign Statistical Abstracts

Alphabetically arranged by subject, this guide contains references to the important primary sources of statistical information for the United States. Secondary sources have been included if the information contained in them is presented in a particularly convenient form or if primary sources are not readily available. Nonrecurrent publications presenting compilations or estimates for years later than 1977 or types of data not available in regular series are also included.

Much valuable information may also be found in State reports (see pp. 866-869) and foreign statistical abstracts (see pp. 870 and 871) and in reports for particular commodities, industries, or similar segments of our economic and social structures, many of which are not included here.

Publications listed under each subject are divided into two main groups: "U.S. Government" and "Other." The location of the publisher of each report is given except for Federal agencies located in Washington, DC. Most Federal publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, tel. (202) 783-3238, or from Government Printing Office bookstores in certain major cities. In some cases, Federal publications may be obtained from the issuing agency.

Major reports, such as the Census of Population, which consist of many volumes, are listed by their general, all-inclusive titles.

## Bureau of the Census Publications

In most cases, separate reports of the most recent censuses are available for each State, subject, industry, etc. Complete information on publications of all the censuses and current surveys conducted by the Bureau of the Census appears in the *Bureau of the Census Catalog*, published annually and available from the Superintendent of Documents.

Abortions—see Vital Statistics.

Accidents—see also Health; Insurance; and Vital Statistics

### U.S. Government

#### Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Injuries to Construction Laborers. 1986. (Bulletin No. 2252.)

Injuries in the Logging Industry. 1984. (Bulletin No. 2203.)

Injuries Resulting From Falls From Elevations. 1984. (Bulletin No. 2195.)

Injuries Resulting From Falls On Stairs. 1984. (Bulletin No. 2214.)

Injuries to Warehouse Workers. 1986. (Bulletin No. 2257.)

Occupational Injuries and Illnesses in the United States by Industry. Annual.

#### Department of Transportation

Transportation Safety Information Report. Quarterly.

#### Federal Railroad Administration

Accident/Incident Bulletin. Summary, statistics, and analysis of accidents on railroads in the United States. Annual.

### Accidents—Con.

#### U.S. Government—Con.

#### Federal Railroad Administration—Con.

Rail-Highway Crossing Accident/Incident and Inventory Bulletin. Annual.

#### Mine Safety and Health Administration

Informational Reports by Mining Industry. Coal, Metallic Minerals, Nonmetallic Minerals (except stone and coal), Stone, Sand, and Gravel. Annual.

Mine Injuries and Worktime. (Preliminary data.) Quarterly.

#### National Center for Health Statistics

Vital Statistics of the United States. Annual.

#### National Transportation Safety Board

Accidents. Annual.

### Other

Metropolitan Life Insurance Company, New York, NY

Health and Safety Education.  
Statistical Bulletin. Quarterly.

**Accidents—Con.****Other—Con.**

National Fire Protection Association,  
Quincy, MA

Fire Journal. Bimonthly.

National Safety Council, Chicago, IL

Accident Facts. Annual.

**Agriculture—see also** Food; Foreign Commerce; Labor; Money and Banking; and Population

**U.S. Government****Bureau of the Census**

Census of Agriculture. Quinquennial.  
(1982, most recent.)

U.S. Commodity Exports and Imports as  
Related to Output. Annual. (Series  
ES2.)

**Bureau of the Census and Bureau of Mines**

Raw Materials in the United States Economy,  
1900-1977. (Issued 1980. Working  
Paper No. 47.)

**Bureau of Reclamation**

Annual Report.

Summary Statistics:

Vol. I, Water, Land, and Related Data.

Vol. II, Finances and Physical Features.

Vol. III, Project Data.

**Commodity Futures Trading Commission**

Annual Report.

Commitments of Traders in Commodity  
Futures. Monthly.

**Department of Agriculture**

Agricultural Chartbook, 1986. Annual.

Agricultural Economics Research. Quarterly  
Journal.

Agricultural Finance, Outlook and Situation.  
Annual.

Agricultural Finance Statistics, 1960-83.  
(Statistical Bulletin No. 706.) April  
1984.

Agricultural Outlook. 11 issues.

Agricultural Price Reports. Reports on  
prices received for farm commodities,  
prices paid for farm supplies, indexes  
and parity ratios. Monthly and annual.

Agricultural Statistics. Annual.

Conversion Factors and Weights and  
Measures for Agricultural Commodities  
and Products. March 1979. (Statistical  
Bulletin No. 616.)

Crop Production Reports. Acreage, yield,  
and production of various commodities.  
Monthly and annual.

Crop Values Report. Price and value of  
various commodities. Annual.

**Agriculture—Con.****U.S. Government—Con.****Department of Agriculture—Con.**

Economic Indicators of the Farm Sector.  
A series of 5 annual issues.

Farmline. 11 issues.

Food Consumption, Prices, and Expenditures,  
1964/84. (Statistical Bulletin No. 736.)  
Revised annually.

Foreign Agricultural Trade of the United  
States (FATUS). 6 issues with annual  
supplements on calendar year and  
fiscal year trade data.

Fruit and Vegetable Reports. Acreage,  
yield, production, value, and utilization  
of various fruits and vegetables. Periodic.

The Hired Farm Working Force of 1981.  
(Agricultural Economic Report No. 507.)

Landownership in the United States.  
1978. (Agricultural Economic Report  
No. 435.)

Livestock and Livestock Products. Reports  
pertaining to cattle, cattle on feed,  
hogs and pigs, lamb crop, livestock  
slaughter, sheep and goats, and  
wool and mohair. Periodic.

Major Uses of Land in the United States,  
1982. 1985.

Milk and Dairy Products Reports. Milk  
cows, milk production, and dairy products.  
Monthly and annual.

Other Reports. Reports on varied items  
including cold storage, farm employment  
and wages, farm production expenditures,  
mink, mushrooms, and floriculture crops.  
Monthly and annual.

Poultry and Egg Reports. Reports covering  
eggs, chickens, turkeys, hatcheries,  
egg products, and poultry slaughter.  
Weekly, monthly, annual.

Rural Development Perspectives. 3  
issues.

Situation Reports. Issued for cotton and  
wool, dairy, feed, fruit, inputs, livestock  
and poultry, oil crops, rice, sugar and  
sweeteners, tobacco, vegetables,  
wheat, and world agriculture. Monthly,  
quarterly, annual.

Statistics of Farmer Cooperatives.  
Annual.

Statistics on Oilseeds and Related Data,  
1965-82. (Statistical Bulletin No. 695.)

Stock Reports. Stocks of grain, hops,  
peanuts, potatoes, rice, and soybeans.  
Quarterly, annual, periodic.

Weekly Weather and Crop Bulletin.  
Report summarizing weather and its  
effect on crops the previous week.

**Agriculture—Con.****U.S. Government—Con.****Farm Credit Administration**

Annual Report.

Loans and Discounts of Farm Credit Banks and Associations. Annual.

**National Oceanic and Atmospheric Administration**

Weekly Weather and Crop Bulletin. National summary.

**Soil Conservation Service**

National Resources Inventory, 1982. Periodic.

Report of Administrator of Soil Conservation Service. Annual.

Air Force—see National Defense.

Air Pollution—see Environment.

Aliens—see Immigration.

American Samoa—see Outlying Areas.

Area—see Geography.

Army—see National Defense.

Aviation—see Transportation.

Banks and Banking—see Money.

Births—see Vital Statistics.

Broadcasting—see Communications.

Building Permits—see Construction.

**Business—see also** Economic Indexes; Investments; Manufactures; Retail and Wholesale Trade; Science Resources; *and* Service Establishments**U.S. Government****Administrative Office of the United States Courts**

Annual Report of the Director.

**Board of Governors of the Federal Reserve System**

Federal Reserve Bulletin. Monthly.

**Bureau of the Census**

Census of Retail Trade. Quinquennial. (1982, most recent.)

Census of Service Industries. Quinquennial. (1982, most recent.)

Census of Wholesale Trade. Quinquennial. (1982, most recent.)

County Business Patterns. Annual.

Current Business Reports. Retail Trade, Sales, and Inventories, BR; and Wholesale Trade, Sales, and Inventories, BW.

Minority-Owned Businesses. Quinquennial. (1977 and 1982.)

**Business—Con.****U.S. Government—Con.****Bureau of the Census—Con.**

Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations.

**Bureau of Economic Analysis**

Business Conditions Digest. Monthly.

Business Statistics: 1984. 1985.

The Detailed Input-Output Structure of the U.S. Economy, 1977. 1984.

Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-1982: Statistical Tables. 1986.

Selected Data on U.S. Direct Investment Abroad, 1950-79. 1985.

Summary Input-Output Tables of the U.S. Economy: 1976, 1978, and 1979. 1983. (Staff Paper No. 39.)

Survey of Current Business. Monthly.

**Council of Economic Advisers**

Economic Indicators. Monthly.

Economic Report of the President. Annual.

**Federal Trade Commission**

Mergers &amp; Acquisitions, 1972-1974. 1978.

**Internal Revenue Service**

Statistics of Income.

Corporation Tax Returns. Annual.

Statistics of Income Bulletin. Quarterly.

**International Trade Administration**

U.S. Industrial Outlook. Annual.

**Patent and Trademark Office**

Commissioner of Patents and Trademarks Annual Report.

**Securities and Exchange Commission**

Annual Report.

Directory of Companies Required to File Annual Reports with the Securities and Exchange Commission—Under the Securities Exchange Act of 1934. Annually.

A Report on the Operation of the Intermarket Trading System: 1978-1982. June 1982.

Securities Traded on Exchanges Under the Securities Exchange Act. Annual with quarterly supplements.

Staff Report on the Securities Industry in 1981. October 1982.

Statistical Review. Monthly.

Stock Trading Statistics. Monthly.

**Business—Con.**

**U.S. Government—Con.**

Small Business Administration  
Annual Report.

**Other**

The Conference Board, New York, NY  
Economic Road Maps. Monthly.

Dun & Bradstreet Corporation, New York, NY

The Business Failure Record. Annual.

Monthly Business Starts Report.

Monthly Failure Report.

Monthly New Business Incorporations Report.

Quarterly Businessmen's Expectations Report.

Fortune (Time, Inc.), New York, NY

The Fortune Directory of the 500 Largest Industrial Corporations. (Annual supplement to Fortune.)

National Bureau of Economic Research, Cambridge, MA

Financial Aspects of the United States Pension System, Zvi Bodie and John B. Shoven, editors. 1983. (University of Chicago Press, Chicago, IL.)

The U.S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. (Studies in Income and Welfare, No. 47.) (University of Chicago Press, Chicago, IL.)

**Child Welfare—see Education; and Social Insurance.**

**City Government—see State and Local Government.**

**Civil Service—see Federal Government; and State and Local Government.**

**Climate—see also Agriculture**

**U.S. Government**

National Oceanic and Atmospheric Administration

Climatography of the United States, No. 81: Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1951-80. 1982. Issued by State.

Climatological Data. Issued in sections for States and outlying areas. Monthly with annual summary.

Comparative Climatic Data Through 1985.

General Summary of Tornadoes. Annual.

Hourly Precipitation Data. Monthly with annual summary; for each State.

Local Climatological Data. Monthly with annual summary; for major cities.

**Climate—Con.**

**U.S. Government—Con.**

National Oceanic and Atmospheric Administration—Con.

Storm Data. Monthly.

Weekly Weather and Crop Bulletin. National summary.

**Commerce—see Foreign Commerce; Retail and Wholesale Trade; and Transportation.**

**Commodity Prices—see also Economic Indexes**

**U.S. Government**

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Labor Statistics

Consumer Prices: Energy and Food. Monthly.

CPI Detailed Report. Monthly.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Producer Price Indexes. Monthly, with annual supplement.

Relative Importance of Components in the Consumer Price Indexes. Annual.

U.S. Import and Export Price Indexes. Quarterly.

Department of Agriculture

Agricultural Price Reports. Monthly and annual.

Agricultural Statistics. Annual.

**Other**

Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY

Commodity Year Book Statistical Abstract Service. (3 editions annually.)

CRB Commodity Index Report. Weekly.

CRB Commodity Year Book. Annual.

CRB Futures Chart Service. Weekly.

CRB Outlook. Monthly.

Electronic Futures Trend Analyzer. Daily.

Futures Market Service. Weekly.

Morgan Guaranty Trust Company of New York

The Morgan Guaranty Survey. Monthly. (Wholesale price index.)



**Commodity Prices—Con.***Other—Con.*

Wall Street Journal. (Dow Jones & Co., New York, NY.) Daily except Saturdays, Sundays, and holidays.

**Communications—see also Newspapers***U.S. Government*

Federal Communications Commission  
Annual Report.

Statistics of Communications Common Carriers. Annual.

Rural Electrification Administration  
Annual Statistical Report—Rural Telephone Borrowers.

U.S. Postal Service  
Annual Report of the Postmaster General.  
Revenue and Cost Analysis. Annual.

*Other*

John Blair & Company, New York, NY  
Statistical Trends in Broadcasting. Annual.

Book Industry Study Group, Inc., New York, NY  
Book Industry Trends. Annual.

Broadcasting Publications, Inc., Washington, DC  
Broadcasting Magazine. Weekly.  
Broadcasting Cablecasting Yearbook.

Corporation for Public Broadcasting, Washington, DC  
Public Broadcasting Income. Annual.  
Public Broadcasting: Statistical Brief. Annual.  
Public Radio and Television Programming Content by Category. Biennial.  
Summary Statistical Report of PTV Licensees. Annual.  
Summary Statistical Report of Public Radio Stations. Annual.

Editor & Publisher Co., Inc., New York, NY  
International Year Book. Annual.  
Market Guide. Annual.

Electronic Industries Association, Washington, DC  
Electronic Market Data Book. Annual.  
Electronic Market Trends. Monthly.  
Electronics Foreign Trade. Monthly.  
Electronics Foreign Trade Five-Year Summary. Annual.

Radio Advertising Bureau, New York, NY  
Radio Facts. Annual.

**Communications—Con.***Other—Con.*

Television Digest, Inc., Washington, DC  
Cable Action Update. Weekly.  
Cable and Station Coverage Atlas. Annual.

Television Action Update. Weekly.  
Television and Cable Factbook. Annual.

United States Telephone Association, Washington, DC  
Statistics of the Independent Telephone Industry. Annual.

**Construction, Housing, and Real Estate—see also Money and Roads***U.S. Government*

Board of Governors of the Federal Reserve System  
Federal Reserve Bulletin. Monthly.

*Bureau of Census*

Census of Construction Industries. Quinquennial. (1982, most recent.)  
Census of Housing. Decennial. (1980, most recent.)

Current Construction Reports: Housing Starts, C20 (monthly); New Residential Construction in Selected Metropolitan Statistical Areas, C21 (quarterly); Housing Completions, C22 (monthly); New One-Family Houses Sold and for Sale, C25 (monthly with annual report, Characteristics of New Housing); Price Index of New One-Family Houses Sold, C27 (quarterly); Value of New Construction Put in Place, C30 (monthly with occasional historical supplement); Housing Units Authorized by Building Permits, C40 (monthly and annual); Residential Alterations and Repairs, C50 (Quarterly and annual).

Current Housing Reports: Housing Vacancies, H-111 (quarterly and annual); Market Absorption of Apartments, H-130 (quarterly and annual); Characteristics of Apartments Completed, H-131 (annual); Annual Housing Survey, H-150 (series of six biennial reports); Annual Housing Survey—Housing Characteristics for Selected Metropolitan Areas, H-170.

Social Indicators, 1973; 1976; 1980.

*Bureau of Economic Analysis*

Business Conditions Digest, Monthly.  
Business Statistics: 1984. 1985.  
Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.  
Handbook of Cyclical Indicators. 1984.  
The National Income and Product Accounts of the United States, 1929-82. Statistical Tables. 1986.

**Construction, Housing, and Real Estate—  
Con.**

**U.S. Government—Con.**

**Bureau of Economic Analysis—Con.**

New Structures and Equipment by Using Industries, 1972: Detailed Estimates and Methodology. 1980. (Staff Paper No. 35.)

Survey of Current Business. Monthly.

**Bureau of Labor Statistics**

Current Wage Developments. Monthly.

Employment and Earnings. Monthly.

Employment, Hours, and Earnings. United States, 1909-84. 1985. (Bulletin No.1312-12.)

Injuries to Construction Laborers. 1986. (Bulletin No. 2252.)

Monthly Labor Review.

Occupational Employment in Mining, Construction, Finance, and Services. 1986. (Bulletin No. 2264.)

Occupational Injuries and Illnesses in the United States by Industry. Annual.

**Department of Housing and Urban Development**

Statistical Yearbook. (Discontinued with 1979 edition.)

Survey of Mortgage Lending Activity. Monthly and quarterly press releases.

**Energy Information Administration**

Residential Energy Consumption Survey: Housing Characteristics. Triennial.

**Federal Home Loan Bank Board**

Annual Report.

Savings and Home Financing Source Book. Annual.

**International Trade Administration**

Construction Review. Bimonthly.

**Veterans Administration**

Loan Guaranty Highlights. Quarterly.

**Other**

Dodge, F.W., Division, McGraw-Hill Information Systems Co., New York, NY

Dodge Construction Potentials. Monthly.

NATIONAL ASSOCIATION OF REALTORS, Washington, DC

Existing Home Sales. Monthly.

Whitman, Requardt and Associates, Baltimore, MD

The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

**Consumer Income and Expenditures, and Personal Income—see also Agriculture; Economic Indexes; Investments; and National Income**

**U.S. Government**

**Board of Governors of the Federal Reserve System**

Federal Reserve Bulletin. Monthly.

**Bureau of the Census**

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Consumer Income, P-80.)

Special Studies Reports. (Series on Special Studies, P-23.)

**Bureau of Economic Analysis**

Business Conditions Digest. Monthly.

Business Statistics: 1984. 1985.

Handbook of Cyclical Indicators. 1984.

Local Area Personal Income, 1979-84. Annual personal income by type of income and by major industries, and population, and per capita income, for States, counties, and metropolitan areas. Nine volumes. 1986.

Survey of Current Business. Monthly.

**Bureau of Labor Statistics**

Consumer Expenditure Survey: Interview Survey, 1984. 1986. (Bulletin No. 2267.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

**Internal Revenue Service**

Statistics of Income. (Annual report on Individual Income Tax Returns.)

Statistics of Income Bulletin. Quarterly.

**National Science Foundation**

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables. Biennial.

Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.

**Social Security Administration**

Studies in Income Distribution. (A series of studies presenting information on the distribution of income, taxes, and transfer payments.) (November 1979, most recent.)

Trends since 1980 in the Economic Status of Aged Men and Women. (Research and Statistics Note No. 3. 1983.)

**Consumer Income and Expenditures, and Personal Income—Con.***Other*

American Financial Services Association, Washington, DC

AFSA Annual Research Report and Second Mortgage Lending Report on Finance Companies. Annual.

AFSA Annual Research Report and Second Mortgage Lending Report Supplements. Annual.

Finance Facts Yearbook. Annual.

Consumer Prices—*see* Commodity Prices.

Corporations—*see* Business; *and* Manufactures.

Correctional Institutions—*see* Law Enforcement.

Cost of Living—*see* Commodity Prices.

Courts—*see* Law Enforcement.

Crime—*see* Law Enforcement.

Crops—*see* Agriculture.

Deaths—*see* Vital Statistics.

Defense—*see* National Defense.

Divorce—*see* Vital Statistics.

Domestic Trade—*see* Retail and Wholesale Trade; *and* Service Establishments.

**Economic Indexes—*see also* Agriculture; Business; Commodity Prices; *and* Manufactures**

*U.S. Government*

Board of Governors of the Federal Reserve System

Federal Reserve Banks. Monthly review published by each Bank with special reference to its own Federal Reserve District.

Federal Reserve Bulletin. Monthly. (Also monthly releases on industrial production indexes.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1984. 1985.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

**Economic Indexes—Con.***U.S. Government—Con.***National Science Foundation**

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

A Comparative Analysis of Information on National Industrial R&D Expenditures. Special Report. (NSF 85-311.)

Federal Funds for Research and Development. Detailed Statistical Tables. Annual.

Federal R&D Funding by Budget Function. Report. Annual.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. Detailed Statistical Tables. Annual.

International Science and Technology Data Update. Report. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

Research and Development in Industry. Detailed Statistical Tables. Annual.

Science and Technology Data Book. Report. Annual.

The Science and Technology Resources of West Germany: A Comparison With the United States. Special Report. (NSF 86-310.)

*Other*

Business Week. (Billboard Publications, Inc., New York, NY.) (Index of Business Activity.)

The Conference Board, New York, NY  
The Conference Board Statistical Bulletin. Monthly.

National Bureau of Economic Research, Cambridge, MA

The National Balance Sheet of the United States, 1953-80, by Raymond W. Goldsmith. 1982. (University of Chicago Press, Chicago, IL.)

The U. S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. 1982. (Studies in Income and Wealth, No. 47.) (University of Chicago Press, Chicago, IL.)

**Education—*see also* Science Resources; *and* Vocational Rehabilitation**

*U.S. Government*

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Population Characteristics, P-20; Spe-

**Education—Con.**

**U.S. Government—Con.**

**Bureau of the Census—Con.**

cial Studies, P-23; and Population Estimates, P-25.)

Finances of Public School Systems. Annual. (GF No. 10.)

Social Indicators, 1980.

**Bureau of Labor Statistics**

Educational Attainment of Workers, March 1982-83. 1984. (Bulletin No. 2191.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

How Workers Get Their Training. 1985. (Bulletin No. 2226.)

Labor Force Statistics Derived From the Current Population Survey: A Data-book. 1982. (Bulletin No. 2096.)

Occupational Projections and Training Data. Biennial.

Students, Graduates, and Dropouts, October 1980-82. 1983. (Bulletin No. 2192.)

**Center for Education Statistics**

Associate Degrees and Other Formal Awards Below the Baccalaureate. Annual.

College and University Library Survey. (1985, most recent.)

The Condition of Education. Annual.

Digest of Education Statistics. Annual.

Earned Degrees Conferred. Annual.

Faculty Salaries, Tenure, and Benefits. Annual.

Fall Enrollment in Colleges and Universities. Annual.

National Longitudinal Study. Reports issued 1972-78 on high school seniors from class of 1972 and their transition to higher education and the labor force.

Participation in Adult Education. (1984, most recent.)

Projections of Education Statistics. Biennial.

Residence and Migration of College Students. (1984, most recent.)

Revenues and Expenditures for Public Elementary and Secondary Education. Annual.

**Department of Education**

Annual Report.

Inflation Measures for Schools and Colleges. September 1983.

**Employment and Training Administration**

Employment and Training Report of the President. Annual.

**Education—Con.**

**U.S. Government—Con.**

**National Science Foundation**

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables. Biennial.

Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Detailed Statistical Tables. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

Resources Supporting Scientific and Engineering Activities at Historically Black Colleges and Universities. Special Report. (NSF 84-332.)

Science and Engineering Doctorates: 1960-85. Detailed Statistical Tables. Biennial.

Science and Engineering Personnel: A National Overview. Report. Biennial.

Science and Technology Data Book. Report. Annual.

Science Resources Studies Highlights. Frequent.

Academic R&D Expenditures Expected to Continue Substantial Growth Through FY 1986. (NSF 87-302.)

All Fields Share in 3% Growth in Academic Science/Engineering Employment. (NSF 85-317.)

8% Real Growth Projected Annually for Academic R&D Expenditures Through 1986. (NSF 86-302.)

Federal Academic R&D Funds Continue Strong Growth Through 1985. (NSF 85-314.)

Foreign Students Fueled 2% Rise in 1985 Graduate Science and Engineering Enrollment. (NSF 87-306.)

Output of Science and Engineering Doctorates Stable in 1985, But Non-U.S. Citizens and Women Increase Their Shares of the Total. (NSF 86-308.)

Recent-Doctorate Faculty Increase in Engineering and Some Science Fields. (NSF 87-310.)

Science and Engineering (S/E) Graduates Find Increasing Opportunities for Employment in S/E Occupations. (NSF 85-324.)

**Education—Con.***U.S. Government—Con.***National Science Foundation—Con.**

Universities Report Research Equipment Shortages Are Most Severe in the Physical Sciences and Engineering. (NSF 85-320.)

Women and Minorities in Science and Engineering. Report. Biennial.

**Office for Civil Rights**

Racial, Ethnic and Sex Enrollment Data, From Institutions of Higher Education. Fall 1982. Biennial.

State and National Summaries of Data from the Fall 1982 Civil Rights Survey of Elementary and Secondary Schools. Biennial.

*Other*

American Council on Education, Washington, DC

A Fact Book on Higher Education. Quarterly.

National Norms for Entering College Freshmen. Annual.

Bowker (R.R.) Company, New York, NY

American Library Directory. Annual.

Book Publishing Annual. (1985, most recent.)

The Bowker Annual of Library and Book Trade Information.

College Entrance Examination Board, New York, NY

National Report on College-Bound Seniors. Annual.

National Catholic Educational Association, Washington, DC

Catholic Schools in America. Annual.

U.S. Catholic Schools. 1986-87.

National Education Association, Washington, DC

Estimates of School Statistics. Annual.

Rankings of the States. Annual.

Status of the American Public School Teacher, 1985-86. Quinquennial.

Research Associates of Washington, Washington, DC

Higher Education Prices and Price Indexes. Annual.

Higher Education Finances of Public Institutions.

**Elections***U.S. Government*

Bureau of the Census

Congressional District Data:

**Elections—Con.***U.S. Government—Con.***Bureau of the Census—Con.**

1980 Census of Population and Housing, PHC80-4, Congressional Districts of the 98th and 99th Congress.

1980 Census of Population and Housing, PC80-SI-8, Congressional District Profiles, 98th Congress.

Current Population Reports. (Series Voting and Registration in the Election of November 19—. Biennial survey 23, No. 74, Registration and Voting November 1976—Jurisdictions covered by Voting Rights Act Amendments of 1975; and P-25, Profile of the Population of Voting Age States: November 19—, Biennial publication.)

Commission on Civil Rights

The Voting Rights Act: Unfulfilled Promises. 1981.

Congress. Clerk of the House

Statistics of the Presidential and Congressional Election Years. Biennial.

Congress. Joint Committee on Printing

Congressional Directory. Biennial.

*Other*

The Council of State Governments, Lexington, KY

The Book of the States and its Supplement I, State Elective Officials and Legislatures. Biennial.

State Legislative Leadership, Committees, and Staff. Biennial.

Elections Research Center, Washington, DC

America Votes. A handbook of contemporary American election statistics compiled and edited by Richard Scammon and Alice V. McGilthrin. Biennial.

Joint Center for Political Studies, Washington, DC

Black Elected Officials: A National Roster. 1986.

Michigan, The University of, Center for Political Studies, Institute for Social Research, Ann Arbor, MI

Who Voted and for Whom. Biennial.

Newspaper Enterprise Association, New York, NY

The World Almanac. Annual.

Electric Utilities—see Energy.

Emigration—see Immigration.

**Employment—see** Federal Government; Labor; and State and Local Government.

**Energy—see also** Communications; Manufactures; Minerals; and Transportation

**U.S. Government**

**Bureau of the Census**

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Bureau of the Census and Bureau of Mines  
Raw Materials in the United States Economy: 1900-1977. (Issued 1980. Working Paper No. 47.)

**Bureau of Labor Statistics**

CPI Detailed Report. Monthly.

Consumer Prices: Energy and Food. Monthly.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

**Congress. Committee on Science and Astronautics**

Energy Facts II. 1975. (94th Congress.)

**Department of the Interior**

Energy Perspectives. February 1975. June 1976.

**Energy Information Administration**

Annual Energy Outlook.

Annual Energy Review.

Coal Distribution. Quarterly.

Coal Production. Annual.

Cost and Quality of Fuels for Electric Utility Plants. Annual.

Electric Power Annual.

Electric Power Monthly.

Electric Power Quarterly.

Energy Conservation Indicators. Annual.

Financial Statistics of Selected Electric Utilities. Annual.

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International Energy Annual.

Monthly Energy Review.

Natural Gas Annual.

Natural Gas Monthly.

Performance Profiles of Major Energy Producers. Annual.

Petroleum Marketing Monthly.

Petroleum Supply Annual.

Petroleum Supply Monthly.

Quarterly Coal Report.

Residential Energy Consumption Survey: Consumption and Expenditures. Triennial.

**Energy—Con.**

**U.S. Government—Con.**

**Energy Information Administration—Con.**

Residential Transportation Energy Consumption Survey. Triennial.

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Characteristics of Clients Rehabilitated in Fiscal Year. Annual.

State Vocational Rehabilitation Agency Program Data in Fiscal Year. Annual.

**Veterans Administration**

Annual Report of Administrator of Veterans Affairs.

Disability Compensation Data. Semiannual.

Disability and Death Pension Data. Semiannual.

Disabled Veterans of the Vietnam Era—Education and Training Under the GI Bill and the Vocational Rehabilitation Program. May 1979.

Employment and Unemployment Among Vietnam Era Veterans—An Analysis of the 1979 National Survey of Veterans. August 1981.

Flight Training Under the GI Bill. September 1980.

Historical Data on the Usage of Educational Benefits: 1944-1983. April 1984.

Office of Information Management and Statistics Monograph—Selected Compensation and Pension Data, by State of Residence. Annual.

Office of Information Management and Statistics Monograph—Veterans Benefits under Current Educational Programs. Annual.

Women Veterans—Use of Educational Benefits Under the GI Bill. September 1981.

**Wages and Wage Rates—see Labor; and Social Insurance.**

**Wealth—see National Income.**

**Weather—see Climate.**

**Welfare Services—see Health; and Social Insurance.**

**Wholesale and Retail Trade—see Retail and Wholesale Trade.**

**Wholesale Prices—see Commodity Prices.**

**Work Relief—see Social Insurance.**

**Work Stoppages—see Labor.**

## Guide to State Statistical Abstracts

This bibliography includes the most recent statistical abstracts for States and Puerto Rico published since 1977 plus those that will be issued in late 1987 or early 1988. For some States, a near equivalent has been listed in substitution for, or in addition to, a statistical abstract. All sources contain statistical tables on a variety of subjects for the State as a whole, its component parts, or both. The page counts given for publications are approximate.

### Alabama

University of Alabama, Center for Business and Economic Research, P.O. Box AK, Tuscaloosa 35487

*Economic Abstract of Alabama*. 1987. 475 pp.

### Alaska

Department of Commerce and Economic Development, Office of Economic Analysis, Pouch D, Juneau 99811

*The Alaska Economic and Statistical Review*. 1984. 194 pp.

### Arizona

Valley National Bank, P.O. Box 71, Phoenix 85001

*Arizona Statistical Review*. 43d ed. 1987.

University of Arizona, Division of Economic and Business Research, College of Business and Public Administration, Tucson 85721

*Arizona Statistical Abstract: A 1979 Data Handbook*. 640 pp. (No longer published.)

*Arizona Economic Indicators*. 52 pp. (Biannual.)

### Arkansas

University of Arkansas, Regional Economic Analysis, Lib. 503A, Little Rock 72204

*Arkansas State and County Economic Data*. 18 pp. (Revised annually.)

### California

Department of Finance, Sacramento 95814-4998

*California Statistical Abstract*, 1987. 225 pp.

Presidio Press, 31 Pamaron Way, Novato 94947

*California Almanac*, 1986-87. Biennial. 600 pp.

### Colorado

Transrep/bibliographics, P.O. Box 22678, Denver 80222

*Statistical Abstract of Colorado, 1976-1977*, Thomas G. Tyler, editor. 1977. 515 pp.

### Connecticut

Connecticut Department of Economic Development, 210 Washington St., Hartford 06106

*Connecticut Market Data*. 1986. 78 pp. (Out of Print.)

### Delaware

Delaware Development Office, P.O. Box 1401, Dover 19903

*Delaware Data Book*, 1987. 100 pp.

### District of Columbia

Office of Planning, Data Services Division, Presidential Bldg., Suite 500, 415 12th St., N.W. 20004

*Population Estimates and Housing Units*, annual.

Office of Policy, Room 208, 1350 Pennsylvania Ave., N.W. 20004

*Indices—A Statistical Index to DC Services*, 1987. Annual. 253 pp.

### Florida

University of Florida, Bureau of Economic and Business Research, Gainesville 32611

*Florida Statistical Abstract*, 1987. 21st ed. 1987. 706 pp.

National Data Consultants, P.O. Box 6361, Athens, Georgia 30604

*Florida County Perspectives: 1987*. Annual. 109 pp.

### Georgia

University of Georgia, Division of Research, College of Business Administration, Athens 30602

*Georgia Statistical Abstract, 1986-87*. 1986. 560 pp.

**Georgia—Con.**

University of Georgia, College of Agriculture,  
Cooperative Extension Service, Athens  
30602

*The Georgia County Guide*. 1987. 6th ed.  
Annual. 171 pp.

Office of Planning and Budget, 270 Washing-  
ton St., S.W., Atlanta 30334

*Georgia Descriptions in Data*. 1987. 175 pp.

**Hawaii**

Hawaii State Department of Business and  
Economic Development, P.O. Box 2359,  
Honolulu 96804

*The State of Hawaii Data Book 1987: A  
Statistical Abstract*. 21st ed. 1987. 725  
pp.

University of Hawaii Press, Honolulu 96822  
*Historical Statistics of Hawaii*. 1977. 711  
pp.

**Idaho**

Department of Commerce, Room 106, State  
House, Boise 83720

*County Economic Profiles, 1982*. (Separate  
report for each county.)

*County Profiles of Idaho, 1987*.

University of Idaho, Center for Business De-  
velopment and Research, Moscow 83843  
*Idaho Statistical Abstract*. 1980. 415 pp.  
(Out of Print.)

**Illinois**

University of Illinois, Bureau of Economic and  
Business Research, 428 Commerce  
West, 1206 South 6th Street, Champaign  
61820

*Illinois Statistical Abstract*. 1987. 650 pp.

Department of Commerce and Community Af-  
fairs, 620 Adams St., Springfield 62701

*Illinois State and Regional Economic Data  
Book—1985*. 351 pp.

**Indiana**

Indiana University, Indiana Business Re-  
search Center, School of Business,  
Bloomington 46223

*Indiana Fact Book, 1985*. 420 pp.

**Iowa**

Iowa Department of Economic Development,  
Research Bureau, 200 East Grand Ave.,  
Des Moines 50309

*1987 Statistical Profile of Iowa*. 116 pp.

**Kansas**

University of Kansas, Institute for Public  
Policy and Business Research, 607  
Blake Hall, Lawrence 66045-2960

*Kansas Statistical Abstract, 1986-87*. 22d  
ed. 1987.

**Kentucky**

Department of Economic Development, Cap-  
ital Plaza Office Tower, Frankfort 40601

*Kentucky Economic Statistics*. 23d ed.  
1987.

**Louisiana**

University of New Orleans, Division of Busi-  
ness and Economic Research, New Orle-  
ans 70148, and Louisiana State Planning  
Office, Baton Rouge 70804

*Statistical Abstract of Louisiana*. 7th ed.  
1981. 413 pp.

**Maine**

Maine State Development Office, State  
House Station 59, Augusta 04333

*Maine: A Statistical Summary*. (Updated pe-  
riodically.)

**Maryland**

Department of Economic and Employment  
Development, 45 Calvert St., Annapolis  
21401

*Maryland Statistical Abstract*. 1988-89. 272  
pp. (Biennial.)

**Michigan**

Wayne State University, Bureau of Business  
Research, School of Business Adminis-  
tration, Detroit 48202

*Michigan Statistical Abstract*. 20th ed.  
1986-87. 629 pp.

**Minnesota**

Blue Sky Marketing, Inc., P.O. Box 17003-G,  
St. Paul 55117

*Minnesota Data Book, 1985-86*. 384 pp.

**Mississippi**

Mississippi State University, College of Busi-  
ness and Industry, Division of Research,  
Mississippi State 39762

*Mississippi Statistical Abstract*. 1987. 650  
pp.



**Missouri**

University of Missouri, Business and Public Administration Research Center, Columbia 65211

*Statistical Abstract for Missouri, 1987.*

**Montana**

Montana Department of Commerce, Census and Economic Information Center, Capitol Station, Helena 59620

*Montana Statistical Abstract.* 1985. 1st ed. 484 pp.

*Montana County Profiles.* (Separate county reports updated periodically.)

**Nebraska**

Department of Economic Development, Division of Research, Box 94666, Lincoln 68509

*Nebraska Statistical Handbook.* 1986-1987. 305 pp.

**Nevada**

Office of Community Services, Capitol Complex, Carson City 89710

*Nevada Statistical Abstract.* 1988. Biennial. 440 pp.

**New Hampshire**

Office of State Planning, 2 1/2 Beacon St., Concord 03301

*Current Estimates and Trends in New Hampshire's Housing Supply.* Update: 1986. 22 pp.

*Selected Economic Characteristics of New Hampshire Municipalities.* September 1983. 12 pp. (Other series available on population estimates and projections, and taxation.)

**New Jersey**

Office of Demographic and Economic Analysis, CN 388, Trenton 08625-0388

*New Jersey Statistical Factbook, 1987.* 102 pp.

Office of Economic Policy, 1 West State Street, Trenton 08625

*New Jersey Profile, 1984.* Triennial. 180 pp.

**New Mexico**

University of New Mexico, Bureau of Business and Economic Research, Albuquerque 87131

*New Mexico Statistical Abstract.* 1987.

**New York**

Energy Association of New York, 111 Livingston Avenue, Suite 601, Albany  
*New York at a Glance, 1986-87.* 120 pp.

Nelson Rockefeller Institute of Government, 411 State Street, Albany 12203

*New York State Statistical Yearbook, 1987.* 13th ed. 502 pp.

**North Carolina**

Office of State Budget and Management and Information Systems Section, 116 West Jones Street, Raleigh 27603-8005

*North Carolina State Government Statistical Abstract.* 1984. 5th ed. 575 pp.

*Profile, North Carolina Counties.* 7th ed. 1986. 304 pp.

**North Dakota**

University of North Dakota, Bureau of Business and Economic Research, Grand Forks 58202

*The Statistical Abstract of North Dakota.* 1986. 670 pp.

Economic Development Commission, 1 Memorial Bldg., Bismarck 58505

*North Dakota Growth Indicators.* 1986. 191 pp.

**Ohio**

Department of Development, Ohio Users Center (ODUC), P.O. Box 43216, Columbus 43216

*ODUC Products and Services.* (Updated continuously.)

**Oklahoma**

University of Oklahoma, Center for Economic and Management Research, 307 Brooks Street, Room 4, Norman 73061

*Statistical Abstract of Oklahoma, 1986.* 102 pp.

**Oregon**

Secretary of State, State Capitol, Salem 97310

*Oregon Blue Book.* 1987-1988. 488 pp. (Annual.)

**Pennsylvania**

Pennsylvania State Data Center, Pennsylvania State University at Harrisburg, Middletown 15057, in cooperation with the Pennsylvania Department of Economic Policy, Planning and Research, Harrisburg 17120

*Pennsylvania Statistical Abstract, 1987.* 29th ed. 1987. 262 pp.

**Rhode Island**

Department of Economic Development, 7 Jackson Walkway, Providence 02903

*Rhode Island Basic Economic Statistics.* 1987. 145 pp.

**South Carolina**

Budget and Control Board, Division of Research and Statistical Services, R. C. Dennis Building, Room 337, Columbia 29201

*South Carolina Statistical Abstract: 1986.* 476 pp.

**South Dakota**

University of South Dakota, Business Research Bureau, Vermillion 57069

*Handbook of Manpower Statistics for South Dakota.* 294 pp.

*South Dakota Community Abstracts.* 400 pp.

**Tennessee**

University of Tennessee, Center for Business and Economic Research, Knoxville 37996-4170

*Tennessee Statistical Abstract, 1988.* 10th ed. 700 pp. (Annual.)

**Texas**

Dallas Morning News, Communications Center, Dallas 75265

*Texas Almanac, 1988-1988.* 1987 640 pp.

University of Texas, Bureau of Business Research, Austin 78712

*Texas Fact Book, 1984.* 5th ed. 229 pp.

**Utah**

University of Utah, Bureau of Economic and Business Research, 401 Kendall D. Garff Building, Salt Lake City 84112

*1987 Statistical Abstract of Utah.* 1987. (Triennial.)

Utah Foundation, 308 Continental Bank Building, Salt Lake City 84101

*Statistical Review of Government in Utah.* 1987. 101 pp. (To be issued in April 1986.)

**Vermont**

Office of Policy Research and Coordination, Montpelier 05602

*Demographic and Economic Profiles.* (Periodically issued.)

**Virginia**

University of Virginia, Center for Public Service, Dynamics Building, 4th Floor, 2015 Ivy Road, Charlottesville 22903

*Virginia Statistical Abstract, 1987.* Biennial. 600 pp.

**Washington**

Washington State Office of Financial Management, Insurance Building M. S. AQ-44, Olympia 98504

*Washington State Data Book, 1987.* 300 pp.

Washington Research Council, 906 South Columbia, Suite 350, Olympia 98501

*How Washington Compares: State and Local Revenue and Expenditures.* October 1988. 180 pp.

**West Virginia**

West Virginia Chamber of Commerce, P.O. Box 2789, Charleston 25330

*West Virginia: Economic-Statistical Profile, 1987.* 750 pp.

West Virginia Research League, Inc., 1107 Charleston National Plaza, Charleston 25301

*Economic Indicators.* 1987. 110 pp.

*The 1987 Statistical Handbook.* 82 pp.

**Wisconsin**

Wisconsin Legislative Reference Bureau, State Capitol, Madison 53702

*1987-1988 Wisconsin Blue Book.* 1,000 pp. (Biennial.)

**Wyoming**

Department of Administration and Fiscal Control, Division of Research and Statistics, 302 Emerson Building, Cheyenne 82002

*Wyoming Data Handbook, 1987.* 186 pp.

**Puerto Rico**

Planning Board, Area of Social and Economic Planning, Bureau of Economic Analysis, Bureau of Statistics and Bureau of Human Resources, Santurce 00940

*Economic Report to the Governor, 1988.* (In Spanish.)

*Historic Series of Employment, Unemployment and Labor Force, 1984.* 202 pp. (In Spanish.)

*Social Statistics Abstract, 1984.* 184 pp. (In Spanish.)

## Guide to Foreign Statistical Abstracts

This bibliography presents recent statistical abstracts for Mexico, the Soviet Union, and member nations of the Organization for Economic Cooperation and Development. All sources contain statistical tables on a variety of subjects for the individual countries. Many of the following publications provide text in English as well as in the national language(s). For further information on these publications, contact the named statistical agency which is responsible for editing the publication.

### Austria

Osterreichisches Statistisches Zentralamt,  
P.O. Box 9000, A-1033 Vienna

*Statistisches Handbuch für die Republik Österreich.* 1988. Annual. 664 pp. (In German.)

### Australia

Australian Bureau of Statistics, Canberra

*Yearbook Australia.* 1986. Annual. 705 pp. (In English.)

### Belgium

Institut National de Statistique, 44 rue de Louvain, 1000 Brussels

*Annuaire statistique de la Belgique.* 1983. Annual. 783 pp. (In French and Dutch.)

### Canada

Statistics Canada, Ottawa, Ontario, K1A 0T6

*Canada Yearbook: A review of economic, social and political developments in Canada.* 1986. Irregular. (In English and French.)

### Denmark

Danmarks Statistik, Postboks 2550 Sejrøgade 11, DK 2100, Copenhagen 0

*Statistical Yearbook.* 1986. Annual. 667 pp. (In Danish with English translations of table headings.)

### Finland

Tilastokeskus, Helsinki

*Statistical Yearbook of Finland.* 1985-86. Annual. 562 pp. (In English, Finnish, and Swedish.)

### France

Institut National de la Statistique et des Etudes Economiques, Paris

*Annuaire Statistique de la France.* 1986. Annual. 903 pp. (In French.)

### Greece

National Statistical Office, 14 Lycourgou St. Athens

*Statistical Yearbook of Greece.* 1985. Annual. 484 pp. (In English and Greek.)

### Iceland

Hagstofa Islands/Statistical Bureau, Hverfisgata 8-10, Reykjavik.

*Statistical Abstract of Iceland.* 1984. Irregular. 286 pp. (In English and Icelandic.)

### Ireland

Central Statistics Office

*Statistical Abstract of Ireland.* 1985. Annual. 388 pp. (In English.)

### Italy

ISTAT (Istituto Centrale di Statistica), Via Cesare Balbo 16, 00100 Rome

*Annuario Statistico Italiano.* 1986. Annual. 423 pp. (In Italian.)

### Japan

Statistics Bureau, Management & Coordination Agency, Tokyo, Japan

*Japan Statistical Yearbook.* 1985. Annual. 836 pp. (In English and Japanese.)

### Luxembourg

STATEC (Service Central de la Statistique et des Etudes), P.O. Box 304, L-2013, Luxembourg

*Annuaire Statistique.* 1986-87. Annual. 460 pp. (In French.)

### Mexico

Instituto Nacional de Estadística Geografía e Informática, Mexico City

*Anuario estadístico de los Estados Unidos Mexicanos.* 1984. Annual. 520 pp. (In Spanish.)

**Netherlands**

Centraal Bureau voor de Statistiek, The Hague  
*Statistical Yearbook of the Netherlands*. 1986. Annual. 428 pp. (In English.)

**New Zealand**

Department of Statistics, Wellington  
*New Zealand Official Yearbook*. 1986-87. Annual. 1,074 pp. (In English.)

**Norway**

Central Bureau of Statistics, Oslo  
*Statistisk Arbok*. 1985. Annual. 518 pp. (In English and Norwegian.)

**Portugal**

INE (Instituto Nacional de Estatística), Avenida Antonio Jose de Almeida, 1078 Lisbon  
*Anuario estatístico; continente, Acores e Madeira*. 1986. Annual. 275 pp. (In French and Portuguese.)

**Soviet Union**

Central Statistical Board, Moscow  
*Narodnoe Khoziaistvo SSSR: Statisticheskii ezhegodnik*. 1985. Annual. 607 pp. (In Russian.)

**Spain**

INE (Instituto Nacional de Estadística), Paseo de la Castellana 183, Madrid 16  
*Anuario estadístico de España*. 1985. Annual. 800 pp. (In Spanish.)

**Sweden**

Statistics Sweden, S-11581 Stockholm  
*Statistical Abstract of Sweden*. 1985. Annual. 580 pp. (In English and Swedish.)

**Switzerland**

Bundesamt für Statistik, Hallwylstrasse 15, CH-3003, Bern  
*Statistisches Jahrbuch der Schweiz*. 1986. Annual. 658 pp. (In French and German.)

**Turkey**

State Institute of Statistics, 114 Necatibey Caddesi, Bakanliklar, Yenisehir, Ankara  
*Statistical Yearbook of Turkey*. 1983. Published on odd numbered years. 465 pp. (In English and Turkish.)  
*Statistical Pocketbook of Turkey*. 1982. Published on even numbered years. 287 pp. (In English and Turkish.)

**United Kingdom**

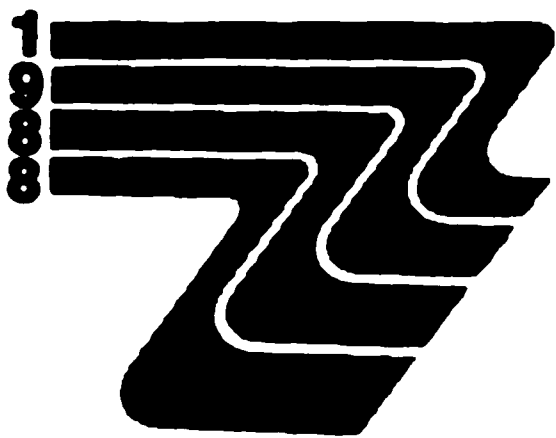
Central Statistical Office, Great George Street, London SW1P 3AQ  
*Annual Abstract of Statistics*. 1987. Annual. 340 pp. (In English.)

**West Germany**

Statistische Bundesamt, Wiesbaden  
*Statistisches Jahrbuch für die Bundesrepublik Deutschland*. 1986. Annual. 776 pp. (In German.)

**Yugoslavia**

Savezni Zavod za Statistiku, P.O. Box 203, 11000 Belgrade  
*Statisticki godisnjak Jugoslavije*. 1986. Annual. 788 pp. (In Serbo-Croatian with English, French, and Russian translations of table headings.)



## Appendix II

# Metropolitan Area Concepts and Components and Population of Metropolitan Statistical Areas

Statistics for metropolitan areas shown in the *Statistical Abstract* represent areas designated by the U.S. Office of Management and Budget (OMB) as standard metropolitan statistical areas (SMSA's) or metropolitan statistical areas (MSA's). Effective June 30, 1983, OMB changed the basic term from SMSA to MSA and revised the geographic definitions of many individual metropolitan areas; some new areas were defined, and some areas were redesignated as PMSA's or CMSA's (see further explanation below). The revised definitions appear in OMB press release 83-20 of June 27, 1983. The official standards for defining MSA's appeared in the *Federal Register*, January 3, 1980 (part 6). Revisions of MSA definitions were made by OMB effective 1984, 1985, 1986, and 1987, mainly to add newly qualified MSA's or central cities.

The list of areas which follows (see p. 875) specifies components and population totals and refers to the definitions in effect on June 30, 1987. On that date, there were 265 MSA's, as well as 21 CMSA's comprising 73 PMSA's (including 4 MSA's, 1 CMSA, and 2 PMSA's in Puerto Rico). The figures in tables A, B, and C below (see pp. 873 and 874), exclude the areas in Puerto Rico.

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. Standard definitions of metropolitan statistical areas were first issued in 1949 by the then Bureau of the Budget (predecessor of OMB), under the designation, "Standard Metropolitan Areas"; the term was changed to SMSA in 1959. From 1977 to 1981, the SMSA's were the responsibility of the Office of Federal Statistical Policy and Standards, Department of Commerce.

The criteria for the establishment and definition of SMSA's were modified in 1958, 1971, and 1975. The current standards were adopted in January 1980; they provide that each MSA must include at least:

- (a) One city with 50,000 or more inhabitants, or
- (b) A Census Bureau-defined urbanized area of at least 50,000 inhabitants *and* a total MSA population of at least 100,000 (75,000 in New England).

The standards provide that the MSA include as "central county(ies)" the county in which the central city is located, and adjacent counties, if any, with at least 50 percent of their population in the urbanized area. Additional "outlying counties" are included if they meet specified requirements of commuting to the central counties and of metropolitan character (such as population density and percent urban). In New England the MSA's are defined in terms of cities and towns rather than counties.

The 1980 standards provide that within metropolitan complexes of 1 million or more population, separate component areas are defined if specified criteria are met. Such areas are designated primary metropolitan statistical areas (PMSA's); and any area containing PMSA's is designated a consolidated metropolitan statistical area (CMSA). Besides the 21 CMSA's, there are 17 MSA's of 1 million or more in 1986 within which no component PMSA's are established. Of the 73 PMSA's, most were formerly SMSA's, but some were newly established in 1983.

Of the 21 CMSA's most were previously recognized as standard consolidated statistical areas (SCSA's), but 5 were formerly SMSA's within which PMSA's were newly qualified in 1983.

The standards adopted in 1980 were implemented in two stages. First, they were used to define a group of 36 new areas in June 1981. The 323 SMSA's as of June 30, 1981 were reported in the 1980 census tabulations and publications. Next, the boundaries of all SMSA's were reviewed in 1982-83 under the new standards after 1980 commuting data became available.

Revised 1980 standards for determining central cities and titles were implemented as part of the 1982-83 review. The largest city in each MSA is designated a "central city"; in addition there may be additional central cities if specified requirements are met. The title of each MSA consists of the name(s) of up to three of its central cities and the name of each State into which the MSA extends. However, a central city generally is not included in an MSA title unless it has at least one-third the population of the area's largest city. Prior to 1983, virtually all central cities appeared in area titles. An MSA may include other cities of 50,000 or more besides its central or title cities.

Report relating to the new MSA definitions has been published as *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas (PC80-S1-18)*. The *State and Metropolitan Data Book, 1986* presents 298 data items for metropolitan areas from a wide variety of (see inside back cover).

**England MSA's and NECMA's.**—Because MSA's in New England are defined in terms of independent towns rather than counties, some statistical data that are available only for counties have been compiled for individual New England MSA's. Therefore, for New England areas, data are given for both New England County Metropolitan Areas (NECMA's) and MSA's wherever possible. NECMA's provide a county version of the New England areas, but do not replace New England MSA's as the standard areas. NECMA's are defined corresponding to the 3 CMSA's in New England and for the portion of the New York-Northern New Jersey-Long Island CMSA in Connecticut. There are no NECMA definitions corresponding to New England PMSA's.

**Effect of changes in MSA definition.**—Changes in the definitions of MSA's since 1949 have resulted chiefly of (1) the recognition of new areas as, for example, cities reached 50,000 population and (2) the addition of counties (or towns in New England) to existing MSA's as new census requirements demanded them to qualify. Also, several formerly separate MSA's have been merged, and occasional territory has been transferred from one MSA to another or from an MSA to nonmetropolitan area.

Comparisons of MSA figures over time may be affected in cases where the MSA definition has been changed. To maintain comparability, data for an earlier period have been revised in this report where possible, to reflect the MSA boundaries of the more recent period. However, this cannot always be done; for data based on a sample survey, in particular, it is usually not possible to revise the data to reflect changes in MSA definitions that occurred after the survey was made. Tables A, B, and C that follow, data are given for MSA's as defined for specified dates, thereby showing the extent of change in population and land area resulting from revisions in definitions.

A. NUMBER, POPULATION, AND LAND AREA OF MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1987

Increases in population shown here for each year in the successive columns of the table result entirely from net expansion of metropolitan territory through changes in the MSA definitions. The differences in population shown for each MSA definition (successive lines of the table) result entirely from population changes within that territory, unaffected by changes in MSA definitions. The changes in 1980 land area result entirely from net expansion of MSA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the MSA's as the result of changes in definitions between the specified dates. Such changes typically occurred throughout the period, not on any single date, and may have included subtractions from, as well as additions to, MSA territory. Census population data for 1970 include corrections made since publication. The area data for the 1980 census definitions of MSA's differ from the data published in those censuses because they are based on a rement of land areas made during the 1980's, and also reflect changes in inland water area occurring up to 1970]

DEFINITION AS OF—	Number of MSA's	POPULATION					Land area, 1980 (sq. mi.)
		1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1980, July 1	
MSA's (Mar. 1950).....	169	<sup>1</sup> 84,853,700	106,344,548	122,184,836	128,839,422	135,796,592	207,146
MSA's (Nov. 1950).....	212	89,316,903	<sup>2</sup> 112,885,139	130,982,661	140,793,427	149,625,595	309,112
MSA's (31) <sup>3</sup> .....	217	91,644,186	115,876,343	134,700,911	145,503,863	154,902,292	348,861
MSA's (31) <sup>4</sup> .....	230	93,629,986	118,413,604	137,976,252	149,811,057	159,630,008	377,581
MSA's (Feb. 28, 1950).....	243	94,579,008	<sup>5</sup> 119,593,498	<sup>6</sup> 139,479,806	151,682,221	161,682,222	386,886
MSA's (30) <sup>7</sup> .....	265	<sup>8</sup> 100,219,707	<sup>9</sup> 126,613,710	148,198,993	162,753,335	173,621,863	491,249
MSA's (31) <sup>10</sup> .....	277	101,109,145	127,674,818	149,482,664	164,363,496	175,929,540	510,581
MSA's (June 30, 1950).....	318	104,172,853	131,318,714	153,693,767	169,430,623	181,188,438	566,157
MSA's (30).....	<sup>11</sup> 275	105,214,181	132,633,988	155,410,542	171,776,970	184,020,380	580,900
MSA's (12).....	<sup>11</sup> 277	105,269,298	132,707,746	155,519,340	171,955,900	184,265,568	584,908
MSA's (30).....	<sup>11</sup> 280	105,411,141	132,866,747	155,700,823	<sup>12</sup> 172,169,456	184,494,826	570,933
MSA's (30).....	<sup>11</sup> 281	105,480,924	132,977,193	155,805,452	172,304,016	184,658,470	572,871
MSA's (30).....	<sup>11</sup> 281	105,502,622	133,003,058	155,832,689	172,334,547	184,689,318	573,412

<sup>1</sup> Corresponds to total MSA population for 1950 published in 1950 census (84,500,680) plus Honolulu MSA. <sup>2</sup> Corresponds to population for 1960 published in 1960 census (112,885,176), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus MSA). <sup>3</sup> MSA's as defined for the 1963 economic censuses. <sup>4</sup> MSA's as defined for the 1967 economic censuses. <sup>5</sup> Corresponds to total 1980 population for 1970 MSA's published in 1970 census (139,418,811), corrected by subtracting 1,256 population from Lawrence Haverhill MSA; this represented an addition to the 1960 census of Andover town made subsequent to the original census tabulations, and therefore not reflected in State or national censuses. <sup>6</sup> Corresponds to total MSA population for 1970 published in 1970 census (139,418,811), plus net corrections made since publication. <sup>7</sup> MSA's as defined for the 1972 economic censuses. <sup>8</sup> Includes estimated 1950 population for Anchorage Census Division, as defined in 1970. <sup>9</sup> Includes 1900 population (82,833) of Anchorage Census Division, in 1970. <sup>10</sup> MSA's as defined for the 1977 economic censuses. <sup>11</sup> MSA's and CMSA's. <sup>12</sup> Uncorrected figure.



**TABLE B. NONMETROPOLITAN POPULATION AND LAND AREA AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1987**

[See headnote for table A, p. 873. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within MSA's at the dates specified]

MSA DEFINITION AS OF—	POPULATION					Land area 1980 (sq. mi.)
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1988, July 1	
1950 census (Mar. 1952)	88,472,098	72,978,627	81,117,195	87,708,383	105,212,784	3,332,143
1960 census (Nov. 1960)	82,008,895	86,438,036	72,319,370	85,752,978	91,383,781	3,230,177
1964 (Aug. 31)	59,681,810	63,446,832	68,601,120	81,041,842	86,107,084	3,190,428
1968 (Jan. 31)	57,695,812	60,909,571	65,325,779	78,734,748	81,378,368	3,181,708
1970 census (Feb. 28, 1971)	56,746,780	58,728,677	63,822,225	74,883,584	79,327,154	3,152,403
1974 (Apr. 30)	51,016,091	52,709,465	55,103,038	63,782,470	67,367,713	3,048,040
1977 (Dec. 31)	50,216,553	51,648,357	53,619,367	62,182,309	65,079,836	3,028,708
1980 census (June 30, 1981)	47,152,945	48,004,481	49,808,264	57,115,182	59,820,938	2,973,132
1983 (June 30)	46,111,817	46,689,187	47,891,489	54,768,835	56,988,996	2,978,389
1984 (Oct. 12)	46,056,500	46,815,427	47,782,691	54,589,905	56,743,808	2,974,381
1985 (June 30)	45,914,557	46,436,428	47,601,208	54,378,349	56,514,450	2,988,355
1986 (June 30)	45,844,874	46,345,982	47,496,579	54,241,769	56,350,808	2,988,418
1987 (June 30)	45,823,176	46,320,117	47,469,343	54,211,258	56,320,068	2,985,677

**TABLE C. PERCENT OF TOTAL U.S. POPULATION AND PERCENT OF LAND AREA INSIDE MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1987**

[See headnote for table A, p. 873]

MSA DEFINITION AS OF—	PERCENT OF POPULATION					Percent of land area, 1980
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1988, July 1	
1950 census (Mar. 1952)	58.1	59.3	60.1	58.9	58.3	5.9
1960 census (Nov. 1960)	59.0	63.0	64.4	62.2	62.1	6.7
1964 (Aug. 31)	60.6	64.6	66.3	64.2	64.3	8.8
1968 (Jan. 31)	61.9	66.0	67.9	66.1	66.2	10.7
1970 census (Feb. 28, 1971)	62.5	66.7	68.6	67.0	67.1	10.9
1974 (Apr. 30)	65.2	70.6	72.9	71.8	72.0	13.9
1977 (Dec. 31)	66.8	71.2	73.5	72.6	73.0	14.4
1980 census (June 30, 1981)	68.8	73.2	75.6	74.8	75.2	16.8
1983 (June 30)	69.5	74.0	76.4	75.8	76.4	15.8
1984 (Oct. 12)	69.6	74.0	76.5	75.9	76.5	16.0
1985 (June 30)	69.7	74.1	76.6	76.0	76.6	16.1
1986 (June 30)	69.7	74.2	76.6	76.1	76.6	16.2
1987 (June 30)	69.7	74.2	76.7	76.1	76.6	16.2

Source of tables B and C: U.S. Bureau of the Census, 1950-1970, *U.S. Census of Population*, vol. 1; 1980 *Census of Population*, vol. 1, chapters A and B, and *Supplementary Report, Metropolitan Statistical Areas*, (PC80-S1-18), and *Current Population Reports*, series P-25, 86-REGION-SC (five regional reports).

### New England County Metropolitan Areas (NECMA'S)

	1988 Popu- lation <sup>1</sup> (1,000)		1988 Popu- lation <sup>1</sup> (1,000)		1988 Popu- lation <sup>1</sup> (1,000)
Bangor, ME .....	138	Lewiston-Auburn, ME .....	101	Portland, ME .....	228
Penobscot County .....	138	Androscoggin County .....	101	Cumberland County .....	228
Boston-Lawrence-Salem- Lowell-Brockton, MA ..	3,795	Manchester-Nashua, NH .....	314	Portsmouth-Dover- Rochester, NH .....	316
Essex County .....	849	Hillsborough County .....	314	Rockingham County .....	222
Middlesex County .....	1,367			Strafford County .....	94
Norfolk County .....	803	New Bedford-Fall River- Attleboro, MA .....	485	Providence-Pawtucket- Woonsocket, RI .....	888
Plymouth County .....	424	Bristol County .....	485	Bristol County .....	46
Suffolk County .....	681			Kent County .....	159
Bridgport-Stamford- Norwalk-Danbury, CT ..	821	New Haven-Waterbury- Meriden, CT .....	779	Providence County .....	882
Fairfield County .....	821	New Haven County .....	779	Washington County .....	101
Burlington, VT .....	130			Springfield, MA .....	888
Chittenden County .....	125	New London-Norwich, CT .....	248	Hampden County .....	445
Grand Isle County .....	5	New London County .....	248	Hampshire County .....	141
Hartford-New Britain- Middletown-Bristol, CT ..	1,083			Worcester-Fitchburg- Leominster, MA .....	881
Hartford County .....	825	Pittsfield, MA .....	141	Worcester County .....	881
Middlesex County .....	137	Berkshire County .....	141		
Tolland County .....	122				

<sup>1</sup> As of July 1.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 86-A, press release (C867-116) and unpublished data.

## APPENDIX II

### Metropolitan Statistical Areas and their Components as of June 30, 1987

[Population estimated as of July 1, 1986. All MSA's are arranged alphabetically.  
For relationship of PMSA's to their CMSA's, see CMSA entry]

	1986 Popu- lation (1,000)		1986 Popu- lation (1,000)		1986 Popu- lation (1,000)
<b>MSA</b> .....	128	<b>Atlanta, GA MSA</b> .....	2,851	<b>Bellingham, WA MSA</b> .....	114
<b>City</b> .....	128	Bartow County .....	28	Whitcomb County .....	114
<b>MSA</b> .....	848	Butts County .....	18	<b>Benton Harbor, MI MSA</b> .....	164
<b>County</b> .....	137	Cherokee County .....	74	Berrien County .....	164
<b>County</b> .....	508	Clayton County .....	170	<b>Bergen-Passaic, NJ PMSA</b> .....	1,290
<b>MSA</b> .....	117	Cobb County .....	392	Bergen County .....	837
<b>County</b> .....	103	Coweta County .....	48	Passaic County .....	461
<b>City</b> .....	14	De Kalb County .....	629	<b>Billings, MT MSA</b> .....	120
<b>MSA</b> .....	844	Douglas County .....	86	Yellowstone County .....	120
<b>City</b> .....	283	Fayette County .....	47	<b>Blount-Guthrie, MS MSA</b> .....	294
<b>County</b> .....	42	Forsyth County .....	36	Hancock County .....	32
<b>County</b> .....	52	Fulton County .....	623	Harrison County .....	173
<b>County</b> .....	152	Gwinnett County .....	277	<b>Binghamton, NY MSA</b> .....	282
<b>County</b> .....	184	Henry County .....	47	Broome County .....	211
<b>County</b> .....	150	Newton County .....	40	Tioga County .....	51
<b>MSA</b> .....	474	Paulding County .....	33	<b>Birmingham, AL MSA</b> .....	811
<b>County</b> .....	474	Rockdale County .....	47	Blount County .....	38
<b>MSA</b> .....	148	Spalding County .....	53	Jefferson County .....	876
<b>City</b> .....	140	Walton County .....	34	St. Clair County .....	50
<b>MSA</b> .....	967	<b>Atlantic City, NJ MSA</b> .....	297	Shelby County .....	81
<b>City</b> .....	54	Atlantic County .....	205	Walker County .....	88
<b>County</b> .....	281	Cape May County .....	92	<b>Blmarck, ND MSA</b> .....	86
<b>County</b> .....	234	<b>Augusta, GA-SC MSA</b> .....	388	Burleigh County .....	80
<b>County</b> .....	87	Columbia County, GA .....	56	Morton County .....	28
<b>MSA</b> .....	132	McDuffie County, GA .....	20	<b>Bloomington, IN MSA</b> .....	182
<b>City</b> .....	132	Richmond County, GA .....	185	Monroe County .....	102
<b>MSA</b> .....	195	Alcon County, SC .....	119	<b>Bloomington-Normal, IL</b>	
<b>City</b> .....	107	<b>Aurora-Evan, IL PMSA</b> .....	343	<b>MSA</b> .....	123
<b>County</b> .....	89	Kane County .....	306	McLean County .....	123
<b>MSA</b> .....	2,187	Kendall County .....	37	<b>Boise City, ID MSA</b> .....	194
<b>County</b> .....	2,167	<b>Austin, TX MSA</b> .....	728	Ada County .....	194
<b>MSA</b> .....	236	Hays County .....	61	<b>Boston, MA PMSA</b> .....	2,824
<b>Borough</b> .....	235	Travis County .....	551	Bristol County (pt.) .....	38
<b>MSA</b> .....	133	Williamson County .....	115	Essex County (pt.) .....	119
<b>County</b> .....	133	<b>Bakersfield, CA MSA</b> .....	484	Middlesex County (pt.) .....	1,119
<b>MSA</b> .....	141	Kern County .....	484	Norfolk County (pt.) .....	591
<b>County</b> .....	141	<b>Baltimore, MD MSA</b> .....	2,388	Plymouth County (pt.) .....	227
<b>MSA</b> .....	386	Anne Arundel County .....	405	Suffolk County .....	881
<b>County</b> .....	386	Baltimore County .....	670	Worcester County (pt.) .....	88
<b>MSA</b> .....	124	Carroll County .....	112	<b>Boston-Lawrence-Salem,</b>	
<b>County</b> .....	124	Harford County .....	158	<b>MA-NH CMSA</b> .....	4,888
<b>MSA</b> .....	387	Howard County .....	151	Boston, MA PMSA .....	2,824
<b>County</b> .....	38	Queen Anne's County .....	30	Brockton, MA PMSA .....	188
<b>County</b> .....	136	Baltimore City .....	753	Lawrence-Haverhill, MA-	
<b>County</b> .....	136	<b>Bangor, ME MSA</b> .....	88	<b>NH PMSA</b> .....	388
<b>MSA</b> .....	178	Penobscot County (pt.) .....	81	Lowell, MA-NH PMSA .....	254
<b>County</b> .....	170	Waldo County (pt.) .....	3	Nashua, NH PMSA .....	183
<b>MSA</b> .....	141	<b>Bayou Rouge, LA MSA</b> .....	848	Salem-Gloucester, MA	
<b>County</b> .....	70	Ascension Parish .....	58	<b>PMSA</b> .....	258
<b>County</b> .....	28	East Baton Rouge Parish .....	383	<b>Boulder-Longmont, CO</b>	
<b>County</b> .....	20	Livingston Parish .....	73	<b>PMSA</b> .....	214
<b>County</b> .....	11	West Baton Rouge Parish .....	21	Boulder County .....	214
<b>MSA</b> .....	141	<b>Battle Creek, MI MSA</b> .....	137	<b>Bradenton, FL MSA</b> .....	177
<b>County</b> .....	70	Calhoun County .....	137	Manatee County .....	177
<b>County</b> .....	28	<b>Beaumont-Port Arthur, TX</b>		<b>Brazoria, TX PMSA</b> .....	188
<b>County</b> .....	20	<b>MSA</b> .....	378	Brazoria County .....	188
<b>County</b> .....	11	Hardin County .....	43	<b>Bremerton, WA MSA</b> .....	188
<b>MSA</b> .....	188	Jefferson County .....	250	Knap County .....	188
<b>County</b> .....	188	Orange County .....	63		
<b>MSA</b> .....	188	<b>Beaver County, PA PMSA</b> .....	188		
<b>County</b> .....	188	Beaver County .....	188		

(See headnote, p. 875)

	1990 Popu- lation (1,000)		1990 Popu- lation (1,000)		1990 Popu- lation (1,000)
Bridgewater-Milford, CT PMSA	444	Cheyenne, WY MSA	75	Dallas, TX PMSA	2,401
Fairfield County (pt.)	336	Laramie County	75	Collin County	211
New Haven County (pt.)	105	Chicago, IL PMSA	6,188	Dallas County	1,823
Bristol, CT PMSA	76	Cook County	5,298	Denton County	391
Hartford County (pt.)	95	Du Page County	728	Ellis County	71
Litchfield County (pt.)	11	McHenry County	152	Kaufman County	52
Brockton, MA PMSA	188	Chicago-Gary-Lake County (IL, IN-WI) CMSA	6,116	Rockwell County	23
Bristol County (pt.)	19	Aurora-Elgin, IL PMSA	343	Dallas-Fort Worth, TX CMSA	2,886
Norfolk County (pt.)	5	Chicago, IL PMSA	6,188	Dallas, TX PMSA	2,401
Plymouth County (pt.)	164	Gary-Hammond, IN PMSA	815	Fort Worth-Arlington, TX PMSA	1,254
Brownsville-Harlingen, TX MSA	257	Joliet, IL PMSA	370	Danbury, CT PMSA	98
Cameron County	257	Kenosha, WI PMSA	120	Fairfield County (pt.)	162
Bryan-College Station, TX MSA	121	Lake County, IL PMSA	480	Litchfield County (pt.)	23
Brazos County	121	Chico, CA MSA	167	Danville, VA MSA	119
Buffalo, NY PMSA	968	Butte County	167	Franklin County	98
Erie County	968	Cincinnati, OH-KY-IN PMSA	1,419	Danville city	46
Buffalo-Niagara Falls, NY CMSA	1,162	Clermont County, OH	141	Davenport-Rock Island- Moline, IA-IL MSA	371
Buffalo, NY PMSA	968	Hamilton County, OH	885	Scott County, IA	157
Niagara Falls, NY PMSA	217	Warren County, OH	105	Henry County, IL	96
Burlington, NC MSA	102	Boone County, KY	52	Rock Island County, IL	188
Alamance County	102	Campbell County, KY	82	Dayton-Springfield, OH MSA	994
Burlington, VT MSA	125	Kenton County, KY	138	Clark County	147
Chittenden County (pt.)	118	Dearborn County, IN	37	Greene County	130
Franklin County (pt.)	3	Cincinnati-Hamilton, OH- KY-IN CMSA	1,888	Miami County	90
Grand Isle County (pt.)	3	Cincinnati, OH-KY-IN PMSA	1,419	Montgomery County	986
Canton, OH MSA	469	Hamilton-Middletown, OH PMSA	271	Daytona Beach, FL MSA	321
Carroll County	27	Clarksville-Hopkinsville, TN-KY MSA	184	Volusia County	321
Stark County	274	Montgomery County, TN	91	Decatur, IL MSA	127
Casper, WY MSA	71	Christian County, KY	63	Macon County	127
Natrona County	71	Cleveland, OH PMSA	1,888	Denver, CO PMSA	1,838
Cedar Rapids, IA MSA	188	Cuyahoga County	1,445	Adams County	278
Linn County	188	Geauga County	78	Anaconda County	383
Champaign-Urbana-Rantoul, IL MSA	171	Lake County	212	Denver County	905
Champaign County	171	Madison County	117	Douglas County	38
Charleston, SC MSA	408	Cleveland-Alton-Lorain, OH CMSA	2,786	Jefferson County	427
Berkeley County	124	Alton, OH PMSA	845	Denver-Boulder, CO CMSA	1,847
Charleston County	286	Cleveland, OH PMSA	1,888	Boulder-Longmont, CO PMSA	214
Dorchester County	75	Lorain-Elyria, OH PMSA	271	Denver, CO PMSA	1,838
Charleston, WV MSA	904	Colorado Springs, CO MSA	388	Des Moines, IA MSA	381
Kanawha County	224	El Paso County	380	Dallas County	38
Putnam County	42	Columbia, MO MSA	188	Polk County	316
Charlotte-Gastonia-Rock Hill, NC-SC MSA	1,888	Boone County	108	Warren County	28
Cabarrus County, NC	82	Columbia, SC MSA	446	Detroit, MI PMSA	4,326
Gaston County, NC	171	Lexington County	170	Lapeer County	70
Lincoln County, NC	46	Richland County	275	Livingston County	105
Mecklenburg County, NC	451	Columbus, GA-AL MSA	261	Macomb County	887
Rowan County, NC	105	Chattahoochee County, GA	21	Monroe County	122
Union County, NC	80	Muscogee County, GA	181	Oakland County	1,028
York County, SC	121	Russell County, AL	48	St. Clair County	141
Charlotteville, VA MSA	121	Columbus, OH MSA	1,328	Wayne County	2,184
Albemarle County	81	Delaware County	58	Detroit-Ann Arbor, MI CMSA	4,891
Fluvanna County	11	Fairfield County	97	Ann Arbor, MI PMSA	288
Greene County	9	Franklin County	807	Detroit, MI PMSA	4,326
Charlotteville city	41	Licking County	125	Dothan, AL MSA	138
Chattanooga, TN-GA MSA	436	Madison County	35	Dale County	80
Hamilton County, TN	284	Pickaway County	45	Houston County	80
Marion County, TN	25	Union County	31	Dubuque, IA MSA	81
Sequithe County, TN	9	Corpus Christi, TX MSA	388	Dubuque County	81
Catoosa County, GA	38	Nueces County	302	Duluth, MN-WI MSA	344
Dade County, GA	12	San Patricio County	62	St. Louis County, MN	202
Walker County, GA	68	Cumberland, MD-WV MSA	162	Douglas County, WI	42
		Allegany County, MD	74	Eau Claire, WI MSA	137
		Mineral County, WV	26	Chippewa County	54
				Eau Claire County	43

## Metropolitan Statistical Areas

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(See footnote, p. 876)

	1996 Popu- lation (1,000)		1996 Popu- lation (1,000)		1996 Popu- lation (1,000)
<b>TX MSA</b>	581	<b>Fort Worth-Arlington, TX</b>		<b>Middletown, CT PMSA</b>	64
<b>County</b>	581	<b>PMSA</b>	1,354	<b>New Britain, CT PMSA</b>	144
<b>Johnson, IN MSA</b>	146	<b>Johnson County</b>	82	<b>History, NC MSA</b>	218
<b>County</b>	146	<b>Parker County</b>	80	<b>Alexander County</b>	27
<b>Frederick, MD MSA</b>	91	<b>Tarrant County</b>	1,102	<b>Burke County</b>	78
<b>County</b>	91	<b>Fresno, CA MSA</b>	986	<b>Catawba County</b>	114
<b>Frederick County</b>	91	<b>Frederick County</b>	586	<b>Honolulu, HI MSA</b>	817
<b>MSA</b>	63	<b>Gadsden, AL MSA</b>	102	<b>Honolulu County</b>	817
<b>County</b>	63	<b>Etowah County</b>	102	<b>Houma-Thibodaux, LA MSA</b>	188
<b>MSA</b>	278	<b>Gainesville, FL MSA</b>	388	<b>Lafourche Parish</b>	87
<b>County</b>	278	<b>Alachua County</b>	176	<b>Tensassee Parish</b>	102
<b>Bradford County</b>		<b>Bradford County</b>	34	<b>Houston, TX PMSA</b>	3,231
<b>Springfield, OR</b>	283	<b>Galveston-Texas City, TX</b>		<b>Fort Bend County</b>	186
<b>County</b>	283	<b>PMSA</b>	215	<b>Harris County</b>	2,788
<b>MSA</b>	281	<b>Galveston County</b>	215	<b>Liberty County</b>	55
<b>County, IN</b>	28	<b>Gary-Hammond, IN PMSA</b>	615	<b>Montgomery County</b>	180
<b>Union County, IN</b>	106	<b>Lake County</b>	482	<b>Waller County</b>	23
<b>County, IN</b>	46	<b>Porter County</b>	123	<b>Houston-Galveston-</b>	
<b>Union County, KY</b>	42	<b>Glens Falls, NY MSA</b>	112	<b>Brazoria, TX CMSA</b>	1,884
<b>MA-RI PMSA</b>	138	<b>Warren County</b>	88	<b>Brazoria, TX PMSA</b>	188
<b>County, MA (pt.)</b>	140	<b>Washington County</b>	57	<b>Galveston-Texas City, TX</b>	
<b>County, RI (pt.)</b>	17	<b>Grand Forks, ND MSA</b>	88	<b>PMSA</b>	215
<b>Grand Forks, ND-SD</b>	146	<b>Grand Forks County</b>	88	<b>Houston, TX PMSA</b>	3,231
<b>County, ND</b>	97	<b>Grand Rapids, MI MSA</b>	848	<b>Hawthorn-Ashtabula,</b>	
<b>County, MN</b>	46	<b>Kent County</b>	478	<b>WV-KY-OH MSA</b>	388
<b>MSA</b>	388	<b>Ottawa County</b>	171	<b>Cabell County, WV</b>	105
<b>County</b>	258	<b>Great Falls, MT MSA</b>	79	<b>Wayne County, WV</b>	45
<b>County</b>	258	<b>Cascade County</b>	79	<b>Boyd County, KY</b>	53
<b>Springdale, AR</b>	187	<b>Greeley, CO MSA</b>	136	<b>Carter County, KY</b>	25
<b>County</b>	187	<b>Weld County</b>	136	<b>Greenup County, KY</b>	38
<b>Leominster, MA</b>	88	<b>Green Bay, WI MSA</b>	187	<b>Lawrence County, OH</b>	62
<b>County (pt.)</b>	3	<b>Brown County</b>	187	<b>Monteville, AL MSA</b>	234
<b>County (pt.)</b>	84	<b>Greensboro-Winston-</b>		<b>Madison County</b>	234
<b>MSA</b>	438	<b>Salem-High Point, NC</b>		<b>Indianapolis, IN MSA</b>	1,213
<b>County</b>	438	<b>MSA</b>	388	<b>Boone County</b>	38
<b>AL MSA</b>	136	<b>Davidson County</b>	118	<b>Hamilton County</b>	84
<b>County</b>	54	<b>DeWitt County</b>	23	<b>Hancock County</b>	45
<b>County</b>	63	<b>Forty County</b>	280	<b>Hendricks County</b>	74
<b>BC MSA</b>	118	<b>Gulfport County</b>	328	<b>Johnson County</b>	83
<b>County</b>	118	<b>Randolph County</b>	88	<b>Marion County</b>	785
<b>MSA</b>	178	<b>Stokes County</b>	38	<b>Morgan County</b>	53
<b>County</b>	178	<b>Yadkin County</b>	30	<b>Shelby County</b>	38
<b>MSA</b>	178	<b>Greenville-Spartanburg, SC</b>		<b>Iowa City, IA MSA</b>	88
<b>County</b>	178	<b>MSA</b>	388	<b>Johnson County</b>	85
<b>MSA</b>	178	<b>Greenville County</b>	306	<b>Jackson, MI MSA</b>	144
<b>County</b>	178	<b>Pickens County</b>	88	<b>Jackson County</b>	144
<b>MSA</b>	178	<b>Spartanburg County</b>	213	<b>Jackson, MS MSA</b>	388
<b>County</b>	178	<b>Hagerstown, MD MSA</b>	114	<b>Hinds County</b>	288
<b>MSA</b>	1,142	<b>Washington County</b>	114	<b>Madison County</b>	50
<b>County</b>	1,142	<b>Hamilton-Middletown, OH</b>		<b>Rankin County</b>	62
<b>MSA</b>	278	<b>PMSA</b>	271	<b>Jackson, TN MSA</b>	78
<b>County</b>	278	<b>Butler County</b>	271	<b>Madison County</b>	78
<b>MSA</b>	278	<b>Harrisburg-Lebanon-</b>		<b>Jacksonville, FL MSA</b>	388
<b>County</b>	278	<b>Carlisle, PA MSA</b>	577	<b>Clay County</b>	91
<b>MSA</b>	278	<b>Cumberland County</b>	180	<b>Duval County</b>	646
<b>County</b>	278	<b>Dauphin County</b>	237	<b>Nassau County</b>	42
<b>MSA</b>	278	<b>Lebanon County</b>	112	<b>St. Johns County</b>	73
<b>County</b>	278	<b>Perry County</b>	38	<b>Jacksonville, NC MSA</b>	127
<b>MSA</b>	278	<b>Hartford, CT PMSA</b>	738	<b>Onslow County</b>	127
<b>County</b>	278	<b>Hartford County (pt.)</b>	614	<b>Jamestown-Bellevue, WI MSA</b>	138
<b>MSA</b>	278	<b>Litchfield County (pt.)</b>	8	<b>Rock County</b>	138
<b>County</b>	278	<b>Middlesex County (pt.)</b>	8	<b>Jersey City, NJ PMSA</b>	588
<b>MSA</b>	278	<b>New London County (pt.)</b>	9	<b>Hudson County</b>	553
<b>County</b>	278	<b>Tolland County (pt.)</b>	101	<b>Johnson City-Kingsport-</b>	
<b>MSA</b>	278	<b>Hartford-New Britain-</b>		<b>Bristol, TN-VA MSA</b>	448
<b>County</b>	278	<b>Middletown, CT CMSA</b>	1,844	<b>Carter County, TN</b>	51
<b>County</b>	278	<b>Bristol, CT PMSA</b>	78	<b>Hawkins County, TN</b>	45
<b>County</b>	278	<b>Hartford, CT PMSA</b>	738	<b>Sullivan County, TN</b>	146
				<b>Livingston County, TN</b>	17

(See heading, p. 876)

	1986 Popu- lation (1,000)		1986 Popu- lation (1,000)		1986 Popu- lation (1,000)
Washington County, TN .....	93	Las Cruces, NM MSA .....	123	Mason-Warner Robins, GA	
Scott County, VA .....	28	Dona Ana County .....	123	MSA .....	282
Washington County, VA .....	47			Bibb County .....	136
Bristol city, VA .....	18	Las Vegas, NV MSA .....	398	Houston County .....	87
		Clark County .....	688	Jones County .....	18
Johnstown, PA MSA .....	284			Peach County .....	28
Cambria County .....	173	Lawrence, KS MSA .....	73		
Somerset County .....	81	Douglas County .....	73	Madison, WI MSA .....	346
				Dane County .....	346
Joliet, IL PMSA .....	378	Lawrence-Haverhill, MA-			
Grundy County .....	32	NH PMSA .....	399	Manchester, NH MSA .....	148
Will County .....	338	Essex County MA (pt.) .....	271	Hillsborough County (pt.) .....	125
		Rockingham County, NH		Marimack County (pt.) .....	13
Joplin, MO MSA .....	133	(pt.) .....	86	Rockingham County (pt.) .....	7
Jasper County .....	90				
Newton County .....	43	Lawton, OK MSA .....	121	Marionville, OH MSA .....	129
		Comanche County .....	121	Richland County .....	129
Kalamazoo, MI MSA .....	218				
Kalamazoo County .....	218	Lawton-Auburn, NE MSA .....	88		
		Androscoggin County (pt.) .....	85	McAllen-Edinburg-Wilton,	
Kankakee, IL MSA .....	88			TX MSA .....	286
Kankakee County .....	88	Lexington-Fayette, KY MSA .....	382	Hidalgo County .....	286
		Bourbon County .....	20		
Kansas City, MO-KS MSA .....	1,518	Clark County .....	29	Medford, OR MSA .....	148
Cass County, MO .....	57	Fayette County .....	213	Jackson County .....	148
Clay County, MO .....	145	Jessamine County .....	29		
Jackson County, MO .....	638	Scott County .....	22	Melbourne-Titaville-Palm	
Lafayette County, MO .....	31	Woodford County .....	19	Bay, FL MSA .....	381
Pettis County, MO .....	51			Brevard County .....	381
Ray County, MO .....	22	Lima, OH MSA .....	184		
Johnson County, KS .....	318	Allen County .....	110	Memphis, TN-AR-MS MSA .....	988
Leavenworth County, KS .....	81	Auglaize County .....	44	Shelby County, TN .....	810
Miami County, KS .....	23			Tipton County, TN .....	38
Wyandotte County, KS .....	174	Lincoln, NE MSA .....	208	Ortenden County, AR .....	38
		Lancaster County .....	208	De Soto County MS .....	84
Kenosha, WI PMSA .....	128				
Kenosha County .....	128	Little Rock-North Little		Merced, CA MSA .....	184
		Rock, AR MSA .....	888	Merced County .....	184
Killeen-Temple, TX MSA .....	234	Faulkner County .....	53		
Bell County .....	175	Lonoke County .....	38	Miami-Fort Lauderdale, FL	
Coryell County .....	88	Pulaski County .....	358	CMSA .....	2,812
		Saline County .....	86	Fort Lauderdale-Hollywood-	
Knoxville, TN MSA .....	681			Pompano Beach, FL	
Anderson County .....	88	Longview-Marshall, TX MSA .....	178	PMSA .....	1,142
Blount County .....	83	Gregg County .....	112	Miami-Hialeah, FL PMSA .....	1,778
Greninger County .....	17	Harrison County .....	88		
Jefferson County .....	33			Miami-Hialeah, FL PMSA .....	1,778
Knox County .....	328	Lorain-Elyria, OH PMSA .....	271	Dade County .....	1,778
Sevier County .....	47	Lorain County .....	271		
Union County .....	12			Middlesex-Somerset-	
		Los Angeles-Anaheim-		Hunterdon, NJ PMSA .....	988
Kokomo, IN MSA .....	181	Riverside, CA CMSA .....	13,878	Hunterdon County .....	88
Howard County .....	85	Anaheim-Santa Ana, CA		Middlesex County .....	638
Tipton County .....	18	PMSA .....	2,187	Somerset County .....	218
		Los Angeles-Long Beach,			
La Crosse, WI MSA .....	84	CA PMSA .....	8,288	Middletown, CT PMSA .....	84
La Crosse County .....	84	Orland-Ventura, CA PMSA .....	811	Middlesex County (pt.) .....	84
		Riverside-San Bernardino,			
Lafayette, LA MSA .....	218	CA PMSA .....	2,001	Midland, TX MSA .....	111
Lafayette Parish .....	172			Midland County .....	111
St. Martin Parish .....	46	Los Angeles-Long Beach,			
		CA PMSA .....	8,288	Milwaukee, WI PMSA .....	1,388
Lafayette, IN MSA .....	124	Los Angeles County .....	8,288	Milwaukee County .....	938
Tippecanoe County .....	124			Ozaukee County .....	88
		Louisville, KY-IN MSA .....	888	Washington County .....	88
Lake Charles, LA MSA .....	173	Bullitt County, KY .....	46	Waukegan County .....	288
Calcasieu Parish .....	173	Jefferson County, KY .....	881		
		Oldham County, KY .....	31	Milwaukee-Racine, WI	
Lake County, IL PMSA .....	488	Shelby County, KY .....	34	CMSA .....	1,888
Lake County .....	488	Clark County, IN .....	88	Milwaukee, WI PMSA .....	1,388
		Floyd County, IN .....	88	Racine, WI PMSA .....	172
Lakeland-Winter Haven, FL		Harrison County, IN .....	28		
MSA .....	377			Minneapolis-St. Paul,	
Polk County .....	377	Lowell, MA-NH PMSA .....	254	MSA-WI MSA .....	2,388
		Middlesex County, MA (pt.) .....	246	Anoka County, MN .....	221
Lancaster, PA MSA .....	384	Hillsborough County, NH		Carver County, MN .....	41
Lancaster County .....	384	(pt.) .....	9	Chicago County, MN .....	38
				Dakota County, MN .....	288
Lansing-East Lansing, MI		Lubbock, TX MSA .....	228	Hennepin County, MN .....	988
MSA .....	428	Lubbock County .....	228	Isanti County, MN .....	28
Clinton County .....	88			Ramsey County, MN .....	474
Easton County .....	91	Lynchburg, VA MSA .....	144	Scott County, MN .....	38
Ingham County .....	278	Amherst County .....	28	Washington County, MN .....	138
		Campbell County .....	47	Wright County, MN .....	85
Laredo, TX MSA .....	121	Lynchburg city .....	88	St. Croix County, WI .....	48
Webb County .....	121				

## Metropolitan Statistical Areas

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(See headnote, p. 875)

	1990 Popu- lation (1,000)		1990 Popu- lation (1,000)		1990 Popu- lation (1,000)
<b>L MSA</b>	476	<b>New York-Northern New</b>		<b>Ozard-Ventura, CA PMSA</b>	611
County	92	Jersey-Long Island,		Ventura County	611
County	378	NY-NJ-CT CMSA	17,990	<b>Panama City, FL MSA</b>	122
<b>CA MSA</b>	317	Bergen-Passaic, NJ PMSA	1,298	Bay County	122
us County	317	Bridgeport-Milford, CT		<b>Parkersburg-Marietta, WV-</b>	
<b>n-Ocean, NJ</b>		PMSA	444	OH MSA	186
County	936	Danbury, CT PMSA	186	Wood County, WV	92
County	543	Jersey City, NJ PMSA	563	Washington County, OH	64
County	363	Middlesex-Somerset-		<b>Pennacola, MS MSA</b>	139
<b>A MSA</b>	146	Hunterdon, NJ PMSA	860	Jackson County	128
Parish	146	Monmouth-Ocean, NJ		<b>Pawtucket-Woonsocket-</b>	
<b>ery, AL MSA</b>	299	PMSA	936	Attleboro, RI-MA PMSA	317
County	36	Nassau-Suffolk, NY PMSA	2,635	Providence County, RI (pt.)	224
County	48	New York, NY PMSA	8,473	Bristol County, MA (pt.)	77
County	215	Newark, NJ PMSA	1,899	Norfolk County, MA (pt.)	9
<b>N MSA</b>	121	Norwalk, CT PMSA	126	Worcester County, MA (pt.)	9
County	121	Orange County, NY PMSA	282	<b>Pensacola, FL MSA</b>	397
<b>N, MI MSA</b>	166	Stamford, CT PMSA	186	Escambia County	271
on County	156	<b>Newark, NJ PMSA</b>	1,899	Santa Rosa County	66
<b>L MSA</b>	121	Essex County	842	<b>Peoria, IL MSA</b>	340
County	121	Monte County	419	Peoria County	183
<b>EH PMSA</b>	168	Sussex County	124	Tazewell County	125
ugh County (pt.)	147	Union County	504	Woodford County	32
ham County (pt.)	16	<b>Niagara Falls, NY PMSA</b>	217	<b>Philadelphia, PA-NJ</b>	
<b>TH MSA</b>	691	Niagara County	217	PMSA	4,826
in County	25	<b>Norfolk-Virginia Beach-</b>		Bucks County, PA	522
n County	480	Newport News, VA	1,396	Chester County, PA	339
County	33	Gloucester County	28	Delaware County, PA	561
on County	40	James City County	27	Montgomery County, PA	672
rd County	103	York County	40	Philadelphia County, PA	1,643
County	97	Chesapeake city	134	Burlington County, NJ	385
on County	72	Hampton city	126	Camden County, NJ	483
County	64	Newport News city	182	Gloucester County, NJ	212
<b>uffolk, NY PMSA</b>	2,635	Norfolk city	275	<b>Philadelphia-Wilmington-</b>	
County	1,323	Poquoson city	10	Tranton, PA-NJ-DE-MD	
County	1,312	Portsmouth city	111	CMSA	5,633
<b>ord, MA MSA</b>	179	Suffolk city	51	Philadelphia, PA-NJ PMSA	4,826
County (pt.)	156	Virginia Beach city	333	Tranton, NJ PMSA	321
h County (pt.)	14	Williamsburg city	11	Vineland-Millville-Bridgeton,	
<b>in, CT PMSA</b>	144	<b>Norwalk, CT PMSA</b>	126	NJ PMSA	136
County (pt.)	144	Fairfield County (pt.)	126	Wilmington, DE-NJ-MD	
<b>m-Meriden, CT</b>		<b>Oakland, CA PMSA</b>	1,304	PMSA	551
County	612	Alameda County	1,209	<b>Phoenix, AZ MSA</b>	1,900
ix County (pt.)	17	Contra Costa County	725	Maricopa County	1,900
ven County (pt.)	495	<b>Ocala, FL MSA</b>	171	<b>Pine Bluff, AR MSA</b>	99
<b>ion-Norwich, CT-</b>		Marion County	171	Jefferson County	99
IA	289	<b>Odessa, TX MSA</b>	139	<b>Pittsburgh, PA PMSA</b>	2,123
ndon County, CT	229	Ector County	133	Allegheny County	1,974
n County, CT (pt.)	4	<b>Oklahoma City, OK MSA</b>	986	Fayette County	156
ion County, RI	27	Canadian County	73	Washington County	212
<b>ms, LA</b>	1,334	Cleveland County	162	Westmoreland County	361
ri Parish	479	Logan County	31	<b>Pittsburgh-Beaver Valley,</b>	
Parish	554	McClain County	25	PA CMSA	2,319
ard Parish	69	Oklahoma County	630	Beaver County, PA PMSA	183
les Parish	43	Pottawatomie County	62	Pittsburgh, PA PMSA	2,123
The Baptist Parish	41	<b>Olympia, WA MSA</b>	147	<b>Pittsfield, MA MSA</b>	81
many Parish	147	Thurston County	147	Berkshire County (pt.)	81
<b>L, NY PMSA</b>	8,473	<b>Omaha, NE-IA MSA</b>	614	<b>Portland, ME MSA</b>	299
County	1,194	Douglas County, NE	415	Cumberland County (pt.)	186
County	2,293	Sarpy County, NE	98	York County (pt.)	18
rk County	1,478	Washington County, NE	16	<b>Portland, OR PMSA</b>	1,163
County	82	Pottawattamie County, IA	98	Clatsop County	257
County	1,923	<b>Orange County, NY PMSA</b>	282	Multnomah County	567
nd County	375	Orange County	282	Washington County	271
nd County	266	<b>Orlando, FL MSA</b>	986	Yamhill County	57
nter County	963	Orange County	575	<b>Portland-Vancouver, OR-</b>	
		Osceola County	83	WA CMSA	1,334
		Seminole County	240	Portland, OR PMSA	1,153
		<b>Owensboro, KY MSA</b>	66	Vancouver, WA PMSA	211
		Daviess County	66		

(See headnote, p. 875)

	1980 Popu- lation (1,000)		1980 Popu- lation (1,000)		1980 Popu- lation (1,000)
<b>Portsmouth-Dover- Rochester, NH-ME MSA</b>	<b>218</b>	<b>Rochester, NY MSA</b>	<b>288</b>	<b>Vallejo-Fairfield-Napa, CA PMSA</b>	<b>282</b>
Rochingham County, NH (pt.)	76	Livingston County	69	<b>San Jose, CA PMSA</b>	<b>1,488</b>
Stafford County, NH (pt.)	90	Monroe County	703	Santa Clara County	1,402
York County, ME (pt.)	49	Ontario County	82	<b>Santa Barbara-Santa Maria- Lompoc, CA MSA</b>	<b>238</b>
<b>Poughkeepsie, NY MSA</b>	<b>257</b>	Orleans County	38	Santa Barbara County	238
Dutchess County	257	Wayne County	88	<b>Santa Cruz, CA PMSA</b>	<b>218</b>
<b>Providence, RI PMSA</b>	<b>634</b>	<b>Rockford, IL MSA</b>	<b>288</b>	Santa Cruz County	218
Bristol County	46	Boone County	29	<b>Santa Fe, NM MSA</b>	<b>188</b>
Kent County (pt.)	158	Winneshago County	251	Los Alamos County	19
Newport County (pt.)	5	<b>Sacramento, CA MSA</b>	<b>1,291</b>	Santa Fe County	88
Providence County (pt.)	357	El Dorado County	108	<b>Santa Rosa-Petaluma, CA PMSA</b>	<b>244</b>
Washington County (pt.)	88	Placer County	143	Sonoma County	244
<b>Providence-Pawtucket-Fall River, RI-MA CMSA</b>	<b>1,188</b>	Sacramento County	915	<b>Sarasota, FL MSA</b>	<b>248</b>
Fall River, MA-RI PMSA	158	Yolo County	126	Sarasota County	248
Pawtucket-Woonsocket- Attleboro, RI-MA PMSA	317	<b>Saginaw-Bay City-Midland, MI MSA</b>	<b>484</b>	<b>Savannah, GA MSA</b>	<b>248</b>
Providence, RI PMSA	634	Bay County	115	Chatham County	218
<b>Provo-Orem, UT MSA</b>	<b>241</b>	Midland County	72	Erlingham County	22
Utah County	241	Saginaw County	218	<b>Scranton-Wilkes-Barre, PA MSA</b>	<b>738</b>
<b>Pueblo, CO MSA</b>	<b>127</b>	<b>St. Cloud, MN MSA</b>	<b>178</b>	Columbia County	61
Pueblo County	127	Benton County	27	Lackawanna County	223
<b>Recine, WI PMSA</b>	<b>172</b>	Sherburne County	34	Luzerne County	201
Recine County	172	Stearns County	114	Monroe County	88
<b>Raleigh-Durham, NC MSA</b>	<b>861</b>	<b>St. Joseph, MO MSA</b>	<b>86</b>	Wyoming County	28
Durham County	187	Buchanan County	86	<b>Seattle, WA PMSA</b>	<b>1,751</b>
Franklin County	34	<b>St. Louis, MO-IL MSA</b>	<b>2,428</b>	King County	1,382
Orange County	85	Franklin County, MO	78	Snohomish County	288
Wake County	386	Jefferson County, MO	184	<b>Seattle-Tacoma, WA CMSA</b>	<b>2,284</b>
<b>Rapid City, SD MSA</b>	<b>77</b>	St. Charles County, MO	182	Seattle, WA PMSA	1,751
Pennington County	77	St. Louis County, MO	983	Tacoma, WA PMSA	633
<b>Reading, PA MSA</b>	<b>321</b>	St. Louis city, MO	428	<b>Sharon, PA MSA</b>	<b>124</b>
Berks County	321	Clinton County, IL	34	Merger County	124
<b>Reading, CA MSA</b>	<b>133</b>	Jersey County, IL	28	<b>Sheboygan, WI MSA</b>	<b>188</b>
Shasta County	133	Madison County, IL	250	Sheboygan County	188
<b>Reno, NV MSA</b>	<b>225</b>	Monroe County, IL	21	<b>Sherman-Denton, TX MSA</b>	<b>88</b>
Washoe County	225	St. Clair County, IL	270	Grayson County	38
<b>Richland-Kennewick-Pasco, WA MSA</b>	<b>188</b>	<b>Salem, OR MSA</b>	<b>288</b>	<b>Shreveport, LA MSA</b>	<b>288</b>
Benton County	113	Marion County	215	Bossier Parish	88
Franklin County	37	Polk County	47	Caddo Parish	273
<b>Richmond-Petersburg, VA MSA</b>	<b>818</b>	<b>Salem-Gloucester, MA PMSA</b>	<b>288</b>	<b>Sioux City, IA-NE MSA</b>	<b>118</b>
Charles City County	6	Essex County (pt.)	258	Woodbury County, IA	98
Chesterfield County	172	<b>Salinas-Seaside-Marina, CA MSA</b>	<b>348</b>	Dakota County, NE	17
Drumville County	21	Monterey County	348	<b>Sioux Falls, SD MSA</b>	<b>128</b>
Goochland County	13	<b>Salt Lake City-Ogden, UT MSA</b>	<b>1,041</b>	Minnehaha County	122
Hanover County	54	David County	180	<b>South Bend-Nishnawaka, IN MSA</b>	<b>241</b>
Henrico County	186	Salt Lake County	702	St. Joseph County	241
New Kent County	10	Weber County	158	<b>Spokane, WA MSA</b>	<b>267</b>
Powhatan County	13	<b>San Angelo, TX MSA</b>	<b>88</b>	Spokane County	267
Prince George County	26	Tom Green County	88	<b>Springfield, IL MSA</b>	<b>281</b>
Colonial Heights city	17	<b>San Antonio, TX MSA</b>	<b>1,278</b>	Menard County	12
Hopewell city	24	Bexar County	1,170	Sangamon County	176
Petersburg city	40	Comal County	48	<b>Springfield, MA MSA</b>	<b>818</b>
Richmond city	218	Guadalupe County	57	Hampden County (pt.)	436
<b>Riverside-San Bernardino, CA PMSA</b>	<b>2,881</b>	<b>San Diego, CA MSA</b>	<b>2,281</b>	Hampshire County (pt.)	83
Riverside County	862	San Diego County	2,201	<b>Springfield, MO MSA</b>	<b>225</b>
San Bernardino County	1,158	<b>San Francisco, CA PMSA</b>	<b>1,888</b>	Christian County	27
<b>Rosnoke, VA MSA</b>	<b>225</b>	Marin County	225	Greene County	188
Botetourt County	25	San Francisco County	749	<b>Stanford, CT PMSA</b>	<b>188</b>
Rosnoke County	75	San Mateo County	814	Fairfield County (pt.)	188
Rosnoke city	102	<b>San Francisco-Oakland-San Jose, CA CMSA</b>	<b>5,678</b>		
Salem city	24	Oakland, CA PMSA	1,834		
<b>Rochester, MN MSA</b>	<b>88</b>	San Francisco, CA PMSA	1,588		
Orsted County	88	San Jose, CA PMSA	1,402		
		Santa Cruz, CA PMSA	218		
		Santa Rosa-Petaluma, CA PMSA	344		



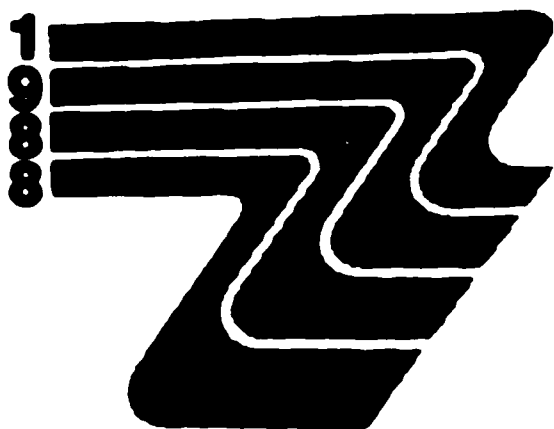
# Metropolitan Statistical Areas

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[See headline, p. 875]

	1980 Popu- lation (1,000)		1980 Popu- lation (1,000)		1980 Popu- lation (1,000)
State College, PA MSA .....	115	Tulsa County .....	517	Waterloo-Cedar Falls, IA	
Centre County .....	115	Wagoner County .....	50	MSA .....	182
Staubenville-Warrior, OH-		Tuscaloosa, AL MSA .....	141	Black Hawk County .....	128
WV MSA .....	186	Tuscaloosa County .....	141	Bremner County .....	24
Jefferson County, OH .....	85	Tyler, TX MSA .....	182	Wausau, WI MSA .....	112
Brooke County, WV .....	29	Smith County .....	152	Marathon County .....	112
Hancock County, WV .....	40	Utica-Rome, NY MSA .....	315	West Palm Beach-Boca	
Stockton, CA MSA .....	433	Norfolk County .....	87	Raton-Delray Beach, FL	
San Joaquin County .....	433	Oneida County .....	249	MSA .....	720
Syracuse, NY MSA .....	848	Vallejo-Fairfield-Napa, CA		Palm Beach County .....	758
Madison County .....	87	MSA .....	382	Wheeling, WV-OH MSA .....	178
Onondaga County .....	463	Napa County .....	105	Marshall County, WV .....	38
Oswego County .....	120	Saleno County .....	286	Ohio County, WV .....	58
Tacoma, WA PMSA .....	533	Vancouver, WA PMSA .....	311	Baltimore County, OH .....	78
Pierce County .....	533	Clark County .....	211	Wichita, KS MSA .....	478
Tallahassee, FL MSA .....	218	Victoria, TX MSA .....	78	Butler County .....	48
Gadsden County .....	45	Victoria County .....	78	Harvey County .....	31
Leon County .....	173	Vineland-Millville-Bridgeton,		Sedgewick County .....	381
Tampa-St. Petersburg-		NJ PMSA .....	135	Wichita Falls, TX MSA .....	127
Clearwater, FL MSA .....	1,914	Cumberland County .....	135	Wichita County .....	127
Hernando County .....	78	Vicksburg-Tulsa-Porterville,		Williamsport, PA MSA .....	118
Hillsborough County .....	778	CA MSA .....	287	Lycorning County .....	118
Pasco County .....	246	Tulare County .....	287	Wilmington, DE-NJ-MD	
Pinefield County .....	815	Waco, TX MSA .....	188	PMSA .....	561
Terre Haute, IN MSA .....	134	McLennan County .....	188	New Castle County, DE .....	418
Clay County .....	25	Washington, DC-MD-VA		Salem County, NJ .....	88
Vigo County .....	109	MSA .....	3,883	Carroll County, MD .....	88
Texarkana, TX-Texarkana,		Washington, DC .....	828	Wilmington, NC MSA .....	114
AR MSA .....	120	Calvert County, MD .....	44	New Hanover County .....	114
Bowie County, TX .....	31	Charles County, MD .....	89	Worcester, MA MSA .....	488
Miller County, AR .....	39	Frederick County, MD .....	131	Worcester County (pt.) .....	408
Toledo, OH MSA .....	611	Montgomery County, MD .....	885	Yakima, WA MSA .....	188
Fulton County .....	38	Prince Georges County,		Yakima County .....	183
Lucas County .....	482	MD .....	881	York, PA MSA .....	888
Wood County .....	110	Arlington County, VA .....	188	Adams County .....	71
Topeka, KS MSA .....	181	Fairfax County, VA .....	711	York County .....	327
Shawnee County .....	181	Loudoun County, VA .....	87	Youngstown-Warren, OH	
Trenton, NJ PMSA .....	321	Prince William County, VA .....	175	MSA .....	618
Mercer County .....	321	Stafford County, VA .....	80	Mahoning County .....	277
Tucson, AZ MSA .....	882	Alexandria city, VA .....	108	Trumbull County .....	233
Pima County .....	882	Fairfax city, VA .....	20	Yuba City, CA MSA .....	114
Tulsa, OK MSA .....	734	Falls Church city, VA .....	10	Sutter County .....	58
Creek County .....	88	Manassas city, VA .....	20	Yuba County .....	55
Osego County .....	41	Manassas Park city, VA .....	7		
Rogers County .....	58	Waterbury, CT MSA .....	212		
		Litchfield County (pt.) .....	38		
		New Haven County (pt.) .....	175		

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-28, No. 80-A; press releases (C867-116); and unpublished data.



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## Appendix III

# Statistical Methodology and Reliability

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**Introduction.**—The data presented in this *Statistical Abstract* came from many sources. The sources include not only Federal statistical bureaus and other organizations that collect and issue statistics as their principal activity, but also governmental administrative and regulatory agencies, private research bodies, trade associations, insurance companies, health associations, and private organizations such as the American Red Cross and philanthropic foundations. Consequently, the data vary considerably as to reference periods, definitions of terms and, for ongoing series, the number and frequency of time periods for which data are available.

The statistics presented were obtained and tabulated by various means. Some statistics are based on complete enumerations or censuses while others are based on samples. Some information is extracted from records kept for administrative or regulatory purposes (school enrollment, hospital records, securities registration, financial accounts, social security records, income tax returns, etc.), while other information is obtained explicitly for statistical purposes through interviews or by mail. The estimation procedures used vary from highly sophisticated scientific techniques, to crude "informed guesses."

Each set of data relates to a group of individuals or units of interest referred to as the *target universe* or *target population*, or simply as the *universe* or *population*. Prior to data collection the target universe should be clearly defined. For example, if data are to be collected for the universe of households in the United States, it is necessary to define a "household." The target universe may not be completely tractable. Cost and other considerations may restrict data collection to a *survey universe* of households on some available list, such list being inaccurate, out of date, defining "household" slightly differently, etc. This list is called a *survey frame* or *sampling frame*.

The data in many tables are based on data obtained for all population units, a *census*, or on data obtained for only a portion, or *sample*, of the population units. When the data presented are based on a sample, the sample is usually a scientifically selected *probability sample*. This is a sample selected from a list or sampling frame in such a way that every possible sample has a known chance of selection and usually each unit selected can be assigned a number, between zero and one, representing its likelihood or probability of selection.

For large-scale sample surveys, the probability sample of units is often selected as a multistage sample. The first stage of a multistage sample is the selection of a probability sample of large groups of population members, referred to as primary sampling units (PSU's). For example, in a national multistage household sample, PSU's are often counties or groups of counties. The second stage of a multistage sample is the selection, within each PSU selected at the first stage, of smaller groups of population units, referred to as secondary sampling units. In subsequent stages of selection, smaller and smaller nested groups are chosen until the ultimate sample of population units is obtained. To qualify a multistage sample as a probability sample, all stages of sampling must be carried out using probability sampling methods.

Prior to selection at each stage of a multistage (or a single-stage) sample, a list of the sampling units or sampling frame for that stage must be obtained. For example, for the first stage of selection of a national household sample, a list of the counties and county groups that form the PSU's must be obtained. For the final stage of selection, lists of households, and sometimes persons within the households, have to be compiled in the field. If a single-stage sample of the Nation's hospitals is to be selected, a list of hospitals must be obtained to use as the sampling frame. Unfortunately, it is virtually impossible to obtain a complete, up-to-date frame for a hospital survey. This is a problem incurred for most surveys of institutions and for many other types of surveys as well.

Wherever the quantities in a table refer to an entire universe, but are constructed from data collected in a sample survey, the table quantities are referred to as *sample estimates*. In constructing a sample estimate, an attempt is made to come as close as is feasible to the corresponding universe quantity that would be obtained from a complete census of the universe. Estimates based on a sample will, however, generally differ from the hypothetical census figures. Two classifications of

errors are associated with estimates based on sample surveys: (1) *sampling error*—the error arising from the use of a sample, rather than a census, to estimate population quantities and (2) *nonsampling error*—those errors arising from nonsampling sources. As discussed below, the magnitude of the sampling error for an estimate can usually be estimated from the sample data. However, the magnitude of the nonsampling error for an estimate can rarely be estimated. Consequently, actual error in an estimate exceeds the estimated error in the estimate.

The particular sample used in a survey is only one of a large number of possible samples of the same size which could have been selected using the same sampling procedure. Estimates derived from the different samples would, in general, differ from each other. The *standard error* (SE) is a measure of the variation among the estimates derived from all possible samples. The standard error is the most commonly used measure of the sampling error of an estimate. Valid estimates of the standard errors of survey estimates can usually be calculated from the data collected in a probability sample. For convenience, the standard error is sometimes expressed as a percent of the estimate and is called the relative standard error or *coefficient of variation* (CV). For example, an estimate of 200 units with an estimated standard error of 10 units has an estimated CV of 5 percent.

A sample estimate and an estimate of its standard error or CV can be used to construct interval estimates that have a prescribed confidence that the interval includes the average of the estimates derived from all possible samples with a known probability. To illustrate, if all possible samples were selected under essentially the same general conditions, and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68% of the intervals from one standard error below the estimate to one standard error above the estimate would include the average estimate derived from all possible samples.
2. Approximately 90% of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average estimate derived from all possible samples.
3. Approximately 95% of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average estimate derived from all possible samples.

Thus, for a particular sample, one can say with the appropriate level of confidence (e.g., 90% or 95%) that the average of all possible samples is included in the constructed interval. Example of a confidence interval: An estimate is 200 units with a standard error of 10 units. An approximately 90% confidence interval (plus or minus 1.6 standard errors) is from 184 to 216.

All surveys and censuses are subject to nonsampling errors. Nonsampling errors are two kinds—*random* and *nonrandom*. Random nonsampling errors arise because of the varying interpretation of questions (by respondents or interviewers) and varying actions of coders, keyers, and other processors. Some randomness is also introduced when respondents must estimate values. These same errors usually have a nonrandom component. Nonrandom nonsampling errors result from total nonresponse (no usable data obtained for a sampled unit), partial or item nonresponse (only a portion of a response may be usable), inability or unwillingness on the part of respondents to provide correct information, difficulty interpreting questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems (overcoverage and undercoverage of the target universe). Random nonresponse errors usually, but not always, result in an understatement of sampling errors and thus an overstatement of the precision of survey estimates. Estimating the magnitude of nonsampling errors would require special experiments or access to independent data and, consequently, the magnitudes are seldom available.

Nearly all types of nonsampling errors that affect surveys also occur in complete censuses. Since surveys can be conducted on a smaller scale than censuses, nonsampling errors can presumably be controlled more tightly. Relatively more funds and effort can perhaps be expended toward eliciting responses, detecting and correcting response error, and reducing processing errors. As a result, survey results can sometimes be more accurate than census results.

To compensate for suspected nonrandom errors, adjustments of the sample estimates are often made. For example, adjustments are frequently made for nonresponse, both total and partial. Adjustments made for either type of nonresponse are often referred to as *imputations*. Imputation for total nonresponse is usually made by substituting for the questionnaire responses of the nonrespondents the "average" questionnaire responses of the respondents. These imputations are usually made separately within various groups of sample members, formed by attempting to place respondents and nonrespondents together that have "similar" survey characteristics. Imputation for item nonresponse is usually made by substituting for a missing item the response to that item of a respondent having characteristics that are "similar" to those of the nonrespondent.

For an estimate calculated from a sample survey, the *total error* in the estimate is composed of the sampling error, which can usually be estimated from the sample, and the nonsampling error, which usually cannot be estimated from the sample. The total error present in a population quantity obtained from a complete census is composed of only nonsampling errors. Ideally, estimates of the total error associated with data given in the *Statistical Abstract* tables should be given. However, due to the unavailability of estimates of nonsampling errors, only estimates of the levels of sampling errors, in terms of estimated standard errors or coefficients of variation, are available. To obtain estimates of the estimated standard errors from the sample of interest, obtain a copy of the referenced report which appears at the end of each table.

**Principal data bases.**—Beginning below are brief descriptions of 44 of the sample surveys and censuses that provide a substantial portion of the data contained in this *Abstract*.

## SECTION 1. POPULATION

**Source and Title:** Bureau of the Census, *Census of Population*

**Tables:** See tables citing *Census of Population* in section 1 and also in sections 2, 4, 6, 8, 13, 14, 26, and 30.

**Universe, Frequency, and Types of Data:** Complete count of U.S. population conducted every 10 years since 1790. Data obtained on number and characteristics of inhabitants.

**Type of Data Collection Operation:** In 1970 and 1980, complete census for some items—age, sex, race, marital status and relationship to household head. In 1970, other items collected from a 5% and a 15% probability (systematic) sample of the population. In 1980, approximately 19% of the housing units were included in the sample.

**Data Collection and Imputation Procedures:** In 1970, extensive use of mail questionnaires in urban areas; personal interviews in most rural areas. In 1980, mail questionnaires were used in even more areas than in 1970, with personal interviews in the remainder. Extensive telephone and personal followup for nonrespondents was done in both censuses. Imputations were made for missing characteristics.

**Estimates of Sampling Error:** Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area.

**Other (nonsampling) Errors:** Evaluation programs are currently being conducted to provide information on the magnitude of some sources of nonsampling errors such as response bias and undercoverage in the 1980 census.

**Sources of Additional Material:** U.S. Bureau of the Census, *Estimates of Coverage of the Population by Sex, Race, and Age: Demographic Analysis*, PHC(E)-4; *Census of Population: 1970* PC(1)C, Appendix C; and *1980 Census of Population*, vol. 1, (PC80-1), Appendixes B, C, and D.

**Source and Title:** U.S. Bureau of the Census, *Current Population Survey (CPS)*

**Tables:** See tables citing *Current Population Reports* primarily in section 1, but also in sections 2, 3, 4, 8, 12, 13, 14, 23, and 30. Many Bureau of Labor Statistics' (BLS) tables in section 13 are CPS based.

**Universe, Frequency, and Types of Data:** Nationwide monthly sample survey of civilian noninstitutional population, 14 years old or over, to obtain data on employment, unemployment, and a number of other characteristics.

**Type of Data Collection Operation:** Multistage probability sample of about 59,500 households in 729 PSU's in 1986. Over-sampling in some States and the largest MSA's to improve reliability for those areas of employment data on annual average basis. A continual sample rotation system is used. Households are in sample 4 months, out for 8 months, and in for 4 more. Month-to-month overlap is 75%; year-to-year overlap is 50%.

**Data Collection and Imputation Procedures:** For first and fifth months that a household is in sample, personal interviews; other months, approximately, 85% of the data collected by phone. Imputation is done for both item and total nonresponse. Adjustment for total nonresponse is done by a predefined cluster of units, by MSA size and residence; for item nonresponse imputation varies by subject matter.

**Estimates of Sampling Error:** Estimated CV's on national annual averages for labor force, total employment, and nonagricultural employment, 2%; for total unemployment and agricultural employment, 1.0% to 2.5%. The estimated CV's for family income and poverty rate for all persons in 1986 are .5% and 1.5%, respectively. CV's for subnational areas, such as States, would be larger and would vary by area.

**Other (nonsampling) Errors:** Estimates of response bias on unemployment are not available, but estimates of unemployment are usually 5% to 9% lower than estimates from reinterviews. Four to 5.0% of sample households unavailable for interviews.

**Sources of Additional Material:** U.S. Bureau of the Census and Bureau of Labor Statistics, *Concepts and Methods Used in Labor Force Statistics from Current Population Survey* (Census

series P-23, No. 62; BLS Report No. 463) and Bureau of the Census, *Current Population Survey* (Tech. Paper 40).

(See section 3 below for information pertaining to the Supplement on Aging to the National Health Interview Survey.)

## SECTION 2. VITAL STATISTICS

**Source and Title:** U.S. National Center for Health Statistics (NCHS), *Vital Registration System*

**Tables:** See tables citing *Vital Statistics of the United States*, 268 in section 5; 998 in section 21; and 1358 in section 30.

**Universe, Frequency, and Types of Data:** Annual data on births and deaths in the United States.

**Type of Data Collection Operation:** Mortality data based on complete file of death records, except 1972, based on 50% sample. Natality statistics 1951-1971, based on 50% sample of birth certificates, except a 20% to 50% in 1967, received by NCHS. Beginning 1972, data from some States received through Vital Statistics Cooperative Program and complete file used; data from other States based on 50% sample.

**Data Collection and Imputation Procedures:** Reports based on records from registration offices of all States, District of Columbia, New York City, Puerto Rico, Virgin Islands, and Guam.

**Estimates of Sampling Error:** For recent years, CV's for births are small due to large portion of total file in sample (except for very small estimated totals).

**Other (nonsampling) Errors:** Data on births and deaths believed to be at least 99% complete.

**Sources of Additional Material:** U.S. National Center for Health Statistics, *Vital Statistics of the United States*, vol. I and vol. II, annual, and *Monthly Vital Statistics Report*.

**Source and Title:** U.S. National Center for Health Statistics, *National Survey of Family Growth*

**Tables:** See tables 91, 97, and 100-102.

**Universe, Frequency, and Types of Data:** Periodic survey of women aged 15-44 living in the conterminous United States, excluding women in institutions, to collect data on American women's fertility, family planning, and related aspects of maternal and child health.

**Type of Data Collection Operation:** Multistage area probability sample. Interviews were conducted with 7,969 women. Black women and women aged 15-19 were sampled at higher rates.

**Data Collection and Imputation Procedures:** Personal interviews were conducted by trained female interviewers. The data have been adjusted for nonsampling error due to nonresponse by adjusting the sample weights assigned to each case. Missing values for selected variables were imputed.

**Estimates of Sampling Error:** Estimates of sampling error are provided in the report cited below.

**Other (nonsampling) Errors:** A series of stringent quality control measures were used. These included independent editing of completed questionnaires, verification of coding, short "recheck" interviews with a subsample of respondents, an independent recoding of a sample of questionnaires by NCHS, keypunch verification, and extensive computer editing and "cleaning" by both the contractor and NCHS to check for inconsistent or impossible codes.

**Sources of Additional Material:** U.S. National Center for Health Statistics, "The National Survey of Family Growth, Cycle III: Sample Design, Estimation Procedures, and Variance Estimation," by W. Mosher, C. Bachrach, and M. Horn, in *Vital and Health Statistics*, series 2, No. 98, September 1985.

## SECTION 3. HEALTH AND NUTRITION

**Source and Title:** U.S. National Center for Health Statistics, *National Health Interview Survey (NHIS)*

**Tables:** 147, 166, 167, 171-175, 177, 178, 182, and in section 1, tables 41 and 42, section 4, table 205, and section 12, table 598.

**Universe, Frequency, and Types of Data:** Continuous data collection covering the civilian noninstitutional population to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, and other health topics. In 1984, the Supplement on Aging (SOA) was added to the NHIS to collect data on the functional status of persons 55 years old and over living in the community. It included questions on characteristics which might affect their ability to live in the community.

**Type of Data Collection Operation:** Multistage probability sample of 42,000 households (in 376 PSU's) selected in groups of about four adjacent households.

**Data Collection and Imputation Procedures:** Personal household interviews with extensive followup of nonrespondents. Data are adjusted for nonresponse by imputation procedure based on "average" characteristics of persons in interviewed households in the same geographic area.



**Estimates of Sampling Error:** Estimated CV's: For physician visits by males, 1.5%; for workdays lost by males, 3.5%; for persons injured at home, 4.7%.

**Other (nonsampling) Errors:** Response rate was 95.7% in 1985 for the NHIS. For the SOA, response rate was 95% (89% responded entirely for themselves).

**Sources of Additional Material:** U.S. National Center for Health Statistics, "Current Estimates from the National Health Interview Survey, U.S., 1983," Vital and Health Statistics, series 10 and the "Supplement on Aging to the 1984 National Health Interview Survey," Vital and Health Statistics, series 1, No. 21, July 1987.

(See section 1 above for information pertaining to tables 93-96, and section 15 pertaining to table 138.)

#### SECTION 4. EDUCATION

**Source and Title:** U.S. Department of Education, Center for Education Statistics, *Revenues and Expenditures for Public Elementary and Secondary Education*

**Tables:** 190 and 191.

**Universe, Frequency, and Types of Data:** Annual survey of State education agencies to obtain data on revenues and expenditures for public elementary and secondary education. Includes the 50 States, District of Columbia, and the outlying areas.

**Type of Data Collection Operation:** Complete census; however, data are extracted by State education agencies from fiscal reports submitted by local education agencies.

**Data Collection and Imputation Procedures:** Mail survey is conducted with followup for nonresponse through direct contact with other records.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Not applicable.

**Sources of Additional Material:** U.S. Department of Education, Center for Education Statistics, *Revenues and Expenditures for Public Elementary and Secondary Education*, annual.

**Source and Title:** U.S. Department of Education, Center for Education Statistics, *Statistics of Public Elementary and Secondary School Systems*

**Tables:** See tables in section 4 which present data from the Center for Education Statistics pertaining to State public school systems.

**Universe, Frequency, and Types of Data:** Annual survey of State education agencies to obtain data on pupils enrolled, staff employed, and number of schools. Includes the 50 States, District of Columbia, and the outlying areas.

**Type of Data Collection Operation:** Complete census; however, data are extracted by State education agencies from fall reports submitted by local education agencies.

**Data Collection and Imputation Procedures:** Mail survey. Imputations for missing data are derived based on data reported over previous 5 years.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Deviations from State to State, or year to year arise from differences in definitions, and instructions used by State education agencies.

**Sources of Additional Material:** U.S. Department of Education, Center for Education Statistics, *Statistics of Public Elementary and Secondary School Systems*, annual.

**Source and Title:** U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Institutional Characteristics of Colleges and Universities*

**Tables:** 200 and 249.

**Universe, Frequency, and Types of Data:** Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on characteristics of institutions including control (public or private), type (university, other four-year, and two-year) and student charges.

**Type of Data Collection Operation:** Complete census.

**Data Collection and Imputation Procedures:** Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Nearly 100% response rate.

**Sources of Additional Material:** U.S. Department of Education, Center for Education Statistics, *Education Directory, Colleges and Universities*, annual.

**Source and Title:** U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Fall Enrollment in Institutions of Higher Education*

**Tables:** 199, 235, 236, 243, and 244.

**Universe, Frequency, and Types of Data:** Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on total enrollment by sex, level of enrollment, type of program, racial/ethnic characteristics (in alternate years) and attendance status of student, and on first-time students.

**Type of Data Collection Operation:** Complete census.

**Data Collection and Imputation Procedures:** Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Approximately 98% response rate.

**Sources of Additional Material:** U.S. Department of Education, Center for Education Statistics, *Fall Enrollment in Higher Education*, annual.

**Source and Title:** U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Financial Statistics of Institutions of Higher Education*

**Tables:** 190, 191, 235, and 245.

**Universe, Frequency, and Types of Data:** Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on financial status and operations, including current funds revenues, current funds expenditures, and physical plant assets.

**Type of Data Collection Operation:** Complete census.

**Data Collection and Imputation Procedures:** Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** For 1979, a 91.7% response rate. Imputed expenditures amounted to about 2.8% of total expenditures.

**Sources of Additional Material:** U.S. Department of Education, Center for Education Statistics, *Financial Statistics of Institutions of Higher Education*, annual.

**Source and Title:** U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Degrees and Other Formal Awards Conferred*

**Tables:** 232 and 254-256.

**Universe, Frequency, and Types of Data:** Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on earned degrees and other formal awards, conferred by field of study, level of degree, sex, and by racial/ethnic characteristics (in alternate years).

**Type of Data Collection Operation:** Complete census.

**Data Collection and Imputation Procedures:** Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Approximately 99% response rate.

**Sources of Additional Material:** U.S. Department of Education, Center for Education Statistics, *Earned Degrees Conferred*, annual.

(See sections 1 and 9 for information pertaining to the Bureau of the Census and section 3 above for the National Center for Health Statistics.)

## SECTION 5. LAW ENFORCEMENT, COURTS, AND PRISONS

**Source and Title:** U.S. Federal Bureau of Investigation, *Uniform Crime Reporting (UCR) Program*

**Tables:** 263-267, 269, 270, 278-280, and 283.

**Universe, Frequency, and Types of Data:** Monthly reports on the number of criminal offenses that become known to law enforcement agencies. Data are collected on crimes cleared by arrest, by age, sex, race, and ethnic origin of offender, and on assaults on law enforcement officers.

**Type of Data Collection Operation:** Crime statistics are based on reports of crime data submitted either directly to the FBI by contributing law enforcement agencies or through cooperating State UCR programs.

**Data Collection and Imputation Procedures:** States with UCR programs collect data directly from individual law enforcement agencies and forward reports, prepared in accordance with UCR standards, to FBI. Accuracy and consistency edits are performed by FBI.

**Estimates of Sampling Error:** Not applicable.



**Other (nonsampling) Errors:** Coverage of 96% of the population (98% in SMSA's, 94% in "other cities," and 89% in rural areas) by UCR program, though varying number of agencies report. Some error is present through incorrect reporting.

**Sources of Additional Material:** U.S. Federal Bureau of Investigation, *Crime in the United States*

**Source and Title:** U.S. Bureau of Justice Statistics (BJS), *National Crime Survey*

**Tables:** 271-275.

**Universe, Frequency, and Types of Data:** Monthly survey of individuals and households in the U.S. to obtain data on criminal victimization of those units for compilation of annual estimates.

**Type of Data Collection Operation:** National probability sample survey of about 59,000 interviewed households in 376 PSU's selected from a list of addressees from the 1970 census, supplemented by new construction permits and an area sample where permits are not required.

**Data Collection and Imputation Procedures:** Interviews are conducted every 6 months for 3 years for each household in the sample; 10,000 households are interviewed monthly. Personal interviews are used in the first, third, fifth, and seventh interviews; the intervening interviews are conducted by telephone whenever possible.

**Estimates of Sampling Error:** CV's in 1985: 2.2% for crimes of violence; 14.8% for estimate of rape counts; 5.5% for robbery counts; 2.5% for assault counts; 1.4% for personal larceny counts; 2.2% for burglary counts; 1.8% for household larceny; 1.3% for all household crimes; and 4.8% for motor vehicle theft counts.

**Other (nonsampling) Errors:** Respondent recall errors which may include reporting incidents for other than the reference period; interviewer coding and processing errors; and possible mistaken reporting or classifying of events. Adjustment is made for a household noninterview rate of about 4% and for a smaller within-household noninterview rate.

**Sources of Additional Material:** U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

(See section 2 for details on table 268 and section 9 for details on table 289.)

#### SECTION 8. ELECTIONS

(See section 1 above for information pertaining to table 418.)

#### SECTION 9. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT

**Source and Title:** U.S. Bureau of the Census, *Census of Governments*

**Tables:** See tables in section 9 citing *Census of Governments*.

**Universe, Frequency, and Types of Data:** Survey of all governmental units in the U.S. conducted every 5 years to obtain data on government revenue, expenditures, debt, employment and employee retirement systems, property values, public school systems, and number, size, and structure of governments.

**Type of Data Collection Operation:** Complete census. List of units derived through classification of government units recently authorized in each State and identification, counting, and classification of existing local governments and public school systems.

**Data Collection and Imputation Procedures:** Data collected through field and office compilation of financial data from official records and reports for States and large local governments; mail canvass of selected data items, like State tax revenue and employee retirement systems; and collection of local government statistics through central collection arrangements with State governments.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Some nonsampling errors may arise due to possible inaccuracies in classification, response, and processing.

**Sources of Additional Material:** U.S. Bureau of the Census, *Census of Governments, 1982*, various reports, and *State Government Finances in 1985*, GF 85, No. 3.

**Source and Title:** U.S. Bureau of the Census, *Annual Surveys of State and Local Government*

**Tables:** See tables citing *Public Employment* and *Governmental Finances* in section 9; table 216 in section 4; table 289 in section 5; and table 573 in section 12.

**Universe, Frequency, and Types of Data:** Sample survey conducted annually to obtain data on revenue, expenditure, debt, and employment of State and local governments. Universe is all governmental units in the U.S. (about 82,000).

**Type of Data Collection Operation:** Sample of about 22,000 units includes all State governments, county governments with 50,000+ population, municipalities and townships in certain States with 25,000+ population, all school districts with 5,000+ enrollment in October 1981, and other governments meeting certain criteria; probability sample for remaining units. A supplemental survey provides complete coverage of 39,000 local government units for data on taxes and intergovernmental revenue.

**Data Collection and Imputation Procedures:** Field and office compilation of data from official records and reports for States and large local governments; central collection of local governmental financial data through a number of State governments; mail canvass of other units with mail and telephone followups of nonrespondents. Data for nonresponses are imputed from previous year data or obtained from secondary sources, if available.

**Estimates of Sampling Error:** CV's for estimates of major employment and financial items are generally less than 2% for most States and less than 1.2% for the majority of States.

**Other (nonsampling) Errors:** Nonresponse rate is about 15% for number of units. Other possible errors may result from undetected inaccuracies in classification, response, and processing.

**Sources of Additional Material:** U.S. Bureau of the Census, *Public Employment in 1985*, GE 85, No. 1, *Governmental Finances in 1984-85*, GF 85, No. 5, and *Census of Governments, 1982*, various reports.

## SECTION 10. FEDERAL GOVERNMENT

**Source and Title:** U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*

**Tables:** 488-493.

**Universe, Frequency, and Types of Data:** Annual study of unaudited individual income tax returns, Forms 1040, 1040A, and 1040EZ, filed by U.S. citizens and residents. Data provided on various financial characteristics by size of adjusted gross income, marital status, State of residence, and by taxable and nontaxable returns.

**Type of Data Collection Operation:** Stratified probability sample of approximately 120,000 returns for tax year 1985 broken into sample strata based on State groupings and currently designed to show the larger of total income or total loss amounts as well as the size of business plus farm receipts. Sampling rates for sample strata varied from .02% to 100%.

**Data Collection and Imputation Procedures:** Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

**Estimates of Sampling Error:** Estimated CV's for tax year 1985: Number of returns in subgroups, ranged from .8% for returns under \$5,000 to .2% for returns over \$500,000 and from less than .05% for 17 different States to 2.2% for District of Columbia; for adjusted gross income less deficit, .1%; and amount of income tax, .2%.

**Other (nonsampling) Errors:** Processing errors and errors arising from the use of tolerance checks for the data.

**Sources of Additional Material:** U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

**Source and Title:** U.S. Internal Revenue Service, *Corporation Income Tax Returns*

**Tables:** Section 17, tables 823-826, and 848.

**Universe, Frequency, and Types of Data:** Annual study of unaudited corporation income tax returns, Forms 1120 and 1120 (L, M, S, F, or DISC), filed by corporations or businesses legally defined as corporations. Data provided on various financial characteristics by industry and size of total assets, business receipts, taxable income, and income tax.

**Type of Data Collection Operation:** Stratified probability sample of approximately 89,000 returns in 1984, broken into sample classes generally based on type of return, size of total assets, and size of net income or deficit. Sampling rates for sample strata varied from .4% to 100%.

**Data Collection and Imputation Procedures:** Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.

**Estimates of Sampling Error:** Estimated CV's for 1984: Number of returns in subgroups ranged from 1.2% with assets under \$100,000, to 0% with assets over \$100 mil.; for amount of net income and amount of income tax, .1%.

**Other (nonsampling) Errors:** Processing errors and errors arising from the use of tolerance checks for the data.

**Sources of Additional Material:** U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, annual.

## SECTION 12. SOCIAL INSURANCE AND HUMAN SERVICES

**Source and Title:** U.S. Social Security Administration, *Benefit Data*

**Tables:** 565 and 566.

**Universe, Frequency, and Types of Data:** All persons receiving monthly benefits under Title 11 of Social Security Act. Data on number and amount of benefits paid by type and State.

**Type of Data Collection Operation:** Data based on administrative records. Data based on 100% files, as well as 10% and 1% sample files.

**Data Collection and Imputation Procedures:** Records used consist of actions pursuant to applications for benefits, updated by subsequent post-entitlement actions.

**Estimates of Sampling Error:** Varies by size of estimate and sample file size.

**Other (nonsampling) Errors:** Processing errors, which are believed to be small.

**Sources of Additional Material:** U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

**Source and Title:** U.S. Social Security Administration, *Supplemental Security Income (SSI) Program*

**Tables:** 588-590.

**Universe, Frequency, and Types of Data:** All eligible aged, blind, or disabled persons receiving SSI benefit payments under SSI program. Data include number of persons receiving federally administered SSI, amounts paid, and State administered supplementation.

**Type of Data Collection Operation:** Data based on administrative records.

**Data Collection and Imputation Procedures:** Data adjusted to reflect returned checks and overpayment refunds. For federally administered payments, actual adjusted amounts are used; for State administered, payments are deflated for average rate across all States.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Processing errors, which are believed to be small.

**Sources of Additional Material:** U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

*(See section 1 above for information pertaining to the Current Population Survey; section 3 above for information pertaining to the Supplement on Aging to the National Health Interview Survey; and section 9 for information pertaining to Annual Surveys of State and Local Government.)*

### SECTION 13. LABOR FORCE, EMPLOYMENT, AND EARNINGS

**Source and Title:** U.S. Bureau of Labor Statistics (BLS), *Current Employment Statistics (CES) Program*

**Tables:** 640-642, 646, and 848; in section 21, table 978; and in section 24, table 1121.

**Universe, Frequency, and Types of Data:** Monthly survey covering about 4 million nonagricultural establishments to obtain data on employment, hours, and earnings, by industry.

**Type of Data Collection Operation:** Probability sample survey of about 250,000 establishments in March 1986.

**Data Collection and Imputation Procedures:** Cooperating State agencies mail questionnaires to sample establishments to develop State and local estimates; information is forwarded to BLS where national estimates are prepared.

**Estimates of Sampling Error:** Estimated CV's in 1986: For average weekly hours paid, .1% and for average hourly earnings, .2%.

**Other (nonsampling) Errors:** Incorrect responses believed to be somewhat offsetting. Estimates of employment adjusted annually to reflect complete universe. Average adjustment is .2%.

**Sources of Additional Material:** U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, Explanatory Notes, tables L-Q and *BLS Handbook of Methods*, Bulletin 2134-1 (Dec. 1982).

*(See section 1 above for information pertaining to the Current Population Survey.)*

### SECTION 14. INCOME, EXPENDITURES, AND WEALTH

*(See section 1 above for information pertaining to the Bureau of the Census.)*

### SECTION 15. PRICES

**Source and Title:** U.S. Bureau of Labor Statistics (BLS), *Consumer Price Index (CPI)*

**Tables:** 729, 730, 738-741, 743, 750, 755, 756, and in section 3, table 138.

**Universe, Frequency, and Types of Data:** Monthly survey of price changes of all types of consumer goods and services purchased by urban wage earners and clerical workers prior to 1978, and urban consumers thereafter. Both indexes continue to be published.

**Type of Data Collection Operation:** Prior to 1978, sample of various consumer items in 56 urban areas; thereafter, in 85 PSU's.

**Data Collection and Imputation Procedures:** Prices of 400 items are obtained from about 2,300 food outlets, 18,000 rental units, 18,000 housing units (for property taxes), and 22,300 other reporters in 85 areas. Prices of most goods and services are obtained monthly in the 5 largest areas and every 2 months in others.

**Estimates of Sampling Error:** Estimates of standard errors are not available at present.

**nsampling) Errors:** Errors result from inaccurate reporting, difficulties in defining and their operational implementation, lack of systematic method for incorporating new out-  
 ie sample, and introduction of product quality changes and new products.

**of Additional Material:** U.S. Bureau of Labor Statistics, *The Consumer Price Index: Con-  
 id Content Over the Years*, Report 517, and *BLS Handbook of Methods*, Bulletin 2134-2.

**id Title:** U.S. Bureau of Labor Statistics, *Producer Price Index (PPI)*

9-732, 735, and 736; in section 21, table 1020; in section 24, table 1124; and in section  
 1198.

**Frequency, and Types of Data:** Monthly survey of producing companies to determine  
 anges of all commodities produced for sale in commercial transactions in primary mar-  
 he U.S. Data on agriculture, forestry, fishing, manufacturing, mining, gas, electricity, and  
 ilities.

**Data Collection Operation:** Probability sample of over 3,000 commodities and about  
 espondents.

**ection and Imputation Procedures:** Data are collected by mail. If transaction prices are  
 olled, list prices are used. Some prices are obtained from trade publications, organized  
 es, and government agencies. To calculate index, price changes multiplied by their rela-  
 ghts based on total net selling value of all commodities in 1982.

**of Sampling Error:** Not applicable.

**nsampling) Errors:** Not available at present.

**of Additional Material:** U.S. Bureau of Labor Statistics, *BLS Handbook of Methods*, Bul-  
 14-1.

## 17. BUSINESS ENTERPRISE

**id Title:** U.S. Internal Revenue Service, *Statistics of Income, Sole Proprietorship Returns*  
 23-827.

**Frequency, and Types of Data:** Annual study of unaudited income tax returns of non-  
 e proprietorships, Form 1040 with business or farm schedules. Data provided on various  
 characteristics by industry, size of business receipts, and adjusted gross income.

**Data Collection Operation:** Stratified probability sample of approximately 35,000 sole pro-  
 pries for tax year 1984. The sample is broken into sample classes based on presence or  
 of certain business schedules; the larger of total income or loss; and size of business  
 n receipts.

**ection and Imputation Procedures:** Computer selection of sample of tax return records.  
 Justed during editing for incorrect, missing, or inconsistent entries to ensure consistency  
 er entries on return.

**of Sampling Error:** Estimated CV's for tax year 1981 (1985 not available): For sole pro-  
 pries, number of businesses, .1%; business receipts, .9%; and net income, .8%.

**nsampling) Errors:** Processing errors and errors arising from the use of tolerance  
 for the data.

**of Additional Material:** U.S. Internal Revenue Service, *Statistics of Income, Sole Propri-  
 etorship Returns and Statistics of Income Bulletin*, Vol. 6, No. 1 (Summer 1986).

**id Title:** U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns*  
 23-826, 828, and 829.

**Frequency, and Types of Data:** Annual study of unaudited income tax returns of part-  
 nerships, Form 1065. Data provided on various financial characteristics by industry and size of  
 s receipts, and total assets (partnerships only).

**Data Collection Operation:** Stratified probability sample of approximately 29,000 partner-  
 urns filed for tax year 1983. The sample is broken into sample classes based on combi-  
 of gross receipts, total income or loss, and total assets, and on industry. Sampling rates  
 m .1% to 100%.

**ection and Imputation Procedures:** Computer selection of sample of tax return records.  
 Justed during editing for incorrect, missing, or inconsistent entries to ensure consistency  
 er entries on return.

**of Sampling Error:** Estimated upper limit CV's tax year 1981 (1985 not available): For  
 of partnerships, 1.5%.

**nsampling) Errors:** Processing errors and errors arising from the use of tolerance  
 for the data.

**of Additional Material:** U.S. Internal Revenue Service, *Statistics of Income, Partnership  
 Returns and Statistics of Income Bulletin*, Vol. 6, No. 1 (Summer 1986).

## 18. COMMUNICATIONS

(See section 27 for information pertaining to table 890.)

#### SECTION 19. ENERGY

**Source and Title:** U.S. Energy Information Administration, *Residential Energy Consumption Survey*  
**Tables:** 912-915, 945, and tables 1225-1227 in section 26.

**Universe, Frequency, and Types of Data:** Triennial survey of households and fuel suppliers. Data are obtained on energy-related household characteristics, housing unit characteristics, use of fuels, and energy consumption and expenditures by fuel type

**Type of Data Collection Operation:** Probability sample of 6,752 eligible units in 149 PSU's. For responding units, fuel consumption and expenditure data obtained from fuel suppliers to those households.

**Data Collection and Imputation Procedures:** Personal interviews. Extensive followup of nonrespondents including mail questionnaires for some households. Adjustments for nonrespondents were made in weighting for respondents. Most item nonresponses were imputed.

**Estimates of Sampling Error:** Estimated CV's for household averages: For consumption or expenditures, 1.3%; for various fuels, values ranged from 1.9% for electricity to 5.3% for LPG.

**Other (nonsampling) Errors:** Household response rate of 84.2%. Non-consumption data were mostly imputed for mail respondents (3.0% of eligible units). Complete responses from fuel suppliers for various fuels ranged from 83.4% for electricity to 48.3% for fuel oil and kerosene.

**Sources of Additional Material:** U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985*.

#### SECTION 21. TRANSPORTATION—LAND

(See section 2 for information pertaining to table 998; and section 15 for table 1020.)

#### SECTION 22. TRANSPORTATION—AIR AND WATER

**Source and Title:** U.S. Bureau of the Census, *Foreign Trade—Export Statistics*

**Tables:** See Bureau of the Census citations for export statistics in source notes in sections 22 and 29 and also tables 1148, 1149, 1162, and 1369.

**Universe, Frequency, and Types of Data:** The export declarations collected by Customs are processed each month to obtain data on the movement of U.S. merchandise exports to foreign countries. Data obtained include value, quantity, and shipping weight of exports by commodity, country of destination, Customs district of exportation, and mode of transportation.

**Type of Data Collection Operation:** Shipper's Export Declarations are required to be filed for the exportation of merchandise valued over \$1,000. Customs officials collect and transmit the documents to the Bureau of the Census on a flow basis for data compilation. Value data for shipments valued under \$1,001 are estimated, based on established percentages of individual country totals.

**Data Collection and Imputation Procedures:** Statistical copies of Shipper's Export Declarations are received on a daily basis from Customs ports throughout the country and subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued over \$1,500. Estimates for shipments valued at \$1,500 or less are made, based on established percentages of individual country totals.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Clerical and complex computer checks intercept most processing errors and minimize otherwise significant reporting errors; other nonsampling errors are caused by undercounting of exports to Canada due to the nonreceipt of some Shipper's Export Declarations.

**Sources of Additional Material:** U.S. Bureau of the Census, *U.S. Exports, Schedule E, Commodity by Country*, FT 410.

**Source and Title:** U.S. Bureau of the Census, *Foreign Trade—Import Statistics*

**Tables:** See Bureau of the Census citations for import statistics in source notes in sections 22 and 29 and also tables 1148, 1149, 1162, and 1329.

**Universe, Frequency, and Types of Data:** The import entry documents collected by Customs are processed each month to obtain data on the movement of merchandise imported into the United States. Data obtained include value, quantity, and shipping weight by commodity, country of origin, Customs district of entry, and mode of transportation.

**Type of Data Collection Operation:** Import entry documents are required to be filed for the importation of goods into the United States valued over \$1,000 except for articles which must be reported on formal entries when valued over \$250. Customs officials collect and transmit statistical copies of the documents to the Bureau of the Census on a flow basis for data compilation. Estimates for shipments valued under \$1,001 (under \$251, where applicable) are based on established percentages of individual country totals.



**Data Collection and Imputation Procedures:** Statistical copies of import entry documents, received on a daily basis from Customs ports of entry throughout the country, are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued at \$1,001 and over (\$251 and over, where applicable).

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Verification of statistical data reporting by Customs officials prior to transmittal and a subsequent program of clerical and computer checks are utilized to hold non-sampling errors arising from reporting and/or processing errors to a minimum.

**Sources of Additional Material:** U.S. Bureau of the Census, *U.S. General Imports and Imports for Consumption, Schedule A, Commodity by Country*, FT 135.

## SECTION 23. AGRICULTURE

**Source and Title:** U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), formerly Statistical Reporting Service (SRS), *Basic Area Frame Sample*

**Tables:** See tables citing NASS in source notes in section 23, which pertain to this or the following two surveys.

**Universe, Frequency, and Types of Data:** Three annual sample surveys of U.S. farm operators: June survey collects data on planted acreage and livestock inventories; December survey collects data on livestock inventories and fall-seeded crop acreage and a February Farm Costs and Returns survey that collects data on total production costs.

**Type of Data Collection Operation:** Stratified probability sample of about 16,000 land area units of about 1 sq. mile (range from .1 sq. mile in cities to several sq. miles in open grazing areas). Sample includes 60,000 parcels of agricultural land. About 20% of the sample replaced annually.

**Data Collection and Imputation Procedures:** Data collection is by personal enumeration. Imputation is based on enumerator observation or data reported by respondents having similar agricultural characteristics.

**Estimates of Sampling Error:** Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.

**Other (nonsampling) Errors:** Minimized through rigid quality controls on the collection process and careful review of all reported data.

**Sources of Additional Material:** U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service*, (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

**Source and Title:** U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Multiple Frame Surveys*

**Tables:** See tables citing NASS in source notes in section 23, which pertain to this or the following survey.

**Universe, Frequency, and Types of Data:** Surveys of U.S. farm operators to obtain data on major livestock inventories, selected crop acreages and production, grain stocks, and farm labor characteristics; and to obtain farm economic data for price indexing.

**Type of Data Collection Operation:** Primary frame is obtained from general or special purpose lists, supplemented by a probability sample of land areas used to estimate for list incompleteness.

**Data Collection and Imputation Procedures:** Mail or personal interviews used for initial data collection. Mail nonrespondent followup by phone and personal interviews. Imputation based on average of respondents.

**Estimates of Sampling Error:** Estimated CV for number of hired farm workers is about 3%. Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.

**Other (nonsampling) Errors:** In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.

**Sources of Additional Material:** U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service*, (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

**Source and Title:** U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Objective Yield Surveys*

**Tables:** See tables citing NASS in source notes in section 23, which pertain to this or the preceding survey.

**Universe, Frequency, and Types of Data:** Surveys for data on corn, cotton, potatoes, soybeans, wheat, rice, sorghum, and sunflower to forecast and estimate yields.

**Type of Data Collection Operation:** Random location of plots in probability sample of fields. Fields selected in June or December from Basic Area Frame Sample (see above).



**Data Collection and Imputation Procedures:** Enumerators count and measure plant characteristics in sample fields. Production measured from plots at harvest. Harvest loss measured from post harvest gleanings.

**Estimates of Sampling Error:** CV's for national estimates of production are about 2-3%.

**Other (nonsampling) Errors:** In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.

**Sources of Additional Material:** U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service*, (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

(See section 1 above for information pertaining to the Census of Population and Current Population Survey and section 27 for information pertaining to table 1264.)

## SECTION 28. CONSTRUCTION AND HOUSING

**Source and Title:** U.S. Bureau of the Census, *Monthly Survey of Construction*

**Tables:** 1208, 1209, and 1211-1214.

**Universe, Frequency, and Types of Data:** Survey conducted monthly of newly constructed housing units (excluding mobile homes, and nonhousekeeping residential buildings such as motels, hotels, courts and cabins). Data are collected on the start, completion, and sale of housing. (Annual figures are aggregates of monthly estimates.)

**Type of Data Collection Operation:** Probability sample of housing units obtained from building permits selected from 16,000 permit-issuing places through 1984 and, beginning in 1985, 17,000 places. For nonpermit places, multistage probability sample of new housing units selected in 160 PSU's. In those areas, all roads are canvassed in selected enumeration districts.

**Data Collection and Imputation Procedures:** Data are obtained by telephone inquiry and field visit.

**Estimates of Sampling Error:** Estimated CV of 3% to 4% for estimates of national totals, but are as high as 20% for estimated totals of more detailed characteristics, such as housing units in multiunit structures.

**Other (nonsampling) Errors:** Response rate is over 90% for most items. Nonsampling errors are attributed to definitional problems, differences in interpretation of questions, incorrect reporting, inability to obtain information about all cases in the sample, and processing errors.

**Sources of Additional Material:** U.S. Bureau of the Census, *Construction Reports*, series C20, *Housing Starts*; C22, *Housing Completions*; C25, *New One-Family Houses Sold and For Sale*; and C27, *Price Index of New One-Family Houses Sold*.

**Source and Title:** U.S. Bureau of the Census, *Value of New Construction Put in Place*

**Tables:** 1200-1203.

**Universe, Frequency, and Types of Data:** Survey conducted monthly on total value of all construction put in place in the current month, both public and private projects. Construction values include costs of materials and labor, contractors' profits, overhead costs, cost of architectural and engineering work, and miscellaneous project costs. (Annual figures are aggregates of monthly estimates.)

**Type of Data Collection Operation:** Varies by type of activity. Total cost of private one-family houses started each month is distributed into value put in place using fixed patterns of monthly construction progress; using a multistage probability sample, data for private multifamily housing are obtained by mail from owners of multiunit projects. Data for residential additions and alterations are obtained in a quarterly survey measuring expenditures; monthly estimates are interpolated from quarterly data. Estimates of value of private nonhousekeeping, nonresidential buildings, and State and local government construction are obtained by mail from owners (or agents) for a probability sample of projects. Estimates of farm nonresidential construction expenditures are based on U.S. Department of Agriculture annual estimates of construction; public utility estimates are obtained from reports submitted to Federal regulatory agencies and from private utility companies; estimates for all other private construction (nonbuilding) are obtained by phasing F. W. Dodge contract award data; estimates of Federal construction are based on monthly data supplied by Federal agencies.

**Data Collection and Imputation Procedures:** See "Type of Data Collection Operation." Imputation accounts for approximately 20% of estimated value of construction each month.

**Estimates of Sampling Error:** CV estimates for private nonresidential building construction range from 3% for estimated value of industrial buildings to 10% for miscellaneous buildings. CV is approximately 2% for total new private nonresidential buildings.

**Other (nonsampling) Errors:** For directly measured data series based on samples, some nonsampling errors may arise from processing errors, imputations, and misunderstanding of questions. Indirect data series are dependent on the validity of the underlying assumptions and procedures.

**Sources of Additional Material:** U.S. Bureau of the Census, *Construction Reports*, series C30, *Value of New Construction Put In Place*.

**Source and Title:** U.S. Bureau of the Census, *Census of Housing*  
**Tables:** 1221-1225.

**Universe, Frequency, and Types of Data:** Census of all occupied and vacant housing, excluding group quarters, conducted every 10 years as part of the decennial census (see section 1 above) to determine characteristics of U.S. housing.

**Type of Data Collection Operation:** For 1970 and 1980, a complete count of 12 housing items. In 1970, other items collected from 5% and 15% probability samples selected from two sets of detailed questions on housing (these two sets having some common items). In 1980, approximately 19% of the housing units were included in the sample.

**Data Collection and Imputation Procedures:** In 1970, a self-enumeration census using a mail-out/mail-back procedure was used in most areas. In 1980, mail questionnaires were used - in even more areas than in 1970, with personal interviews in the remainder. Followup for nonrespondents and identification of vacant units done by phone and personal visit.

**Estimates of Sampling Error:** Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area.

**Other (nonsampling) Errors:** Evaluation studies for 1980 estimated the underenumeration of occupied housing units at 1.5%. The missed rate in 1980 for all units was 2.6% or approximately 2.3 million units, 1 million of which were vacant housing units.

**Sources of Additional Material:** U.S. Bureau of the Census, *1980 Census of Population and Housing, The Coverage of Housing in the 1980 Census*, PHC80-E1, July 1985.

**Source and Title:** U.S. Bureau of the Census, *Annual Housing Survey*

**Tables:** See tables citing *Annual Housing Survey* in source notes.

**Universe, Frequency, and Types of Data:** Conducted nationally in the fall in odd numbered years to obtain data on the approximately 92 million occupied or vacant housing units in the U.S. (group quarters are excluded). Data include characteristics of occupied housing units, housing inventory changes, vacant units, new housing and mobile home units, financial characteristics, recent mover households, housing and neighborhood quality indicators, and energy characteristics.

**Type of Data Collection Operation:** The national sample was a multistage probability sample with about 71,800 units eligible for interview in 1983. Sample units, selected within 461 PSU's, were surveyed over a 3-month period.

**Data Collection and Imputation Procedures:** For 1983, about 75% of the survey was conducted by personal interviews with subsequent followup by telephone or personal visit. The remaining 25% of the sample was conducted by telephone interview.

**Estimates of Sampling Error:** For the national sample, illustrations of the S.E. of the estimates are provided in the appendix of each report. As an example, the estimated CV is about .4% for the estimate of the number of owner occupied housing units.

**Other (nonsampling) Errors:** Response rate was about 95%. Nonsampling errors may result from incorrect or incomplete responses, errors in coding and recording, and processing errors. For the 1983 national sample, approximately 6% of the total housing inventory was not adequately represented by the AHS sample. A reinterview study also indicates some inconsistencies in the data, especially in some attitudinal items.

**Sources of Additional Material:** U.S. Bureau of the Census, *Current Housing Reports*, series H-150 and H-170, *Annual Housing Survey*.

(See section 1 above for information pertaining to the Census of Population and section 15 pertaining to table 1218.)

## SECTION 27. MANUFACTURES

**Source and Title:** U.S. Bureau of the Census, *Census of Manufactures*

**Tables:** See tables citing *Census of Manufactures* in source notes in section 27 and also tables 890, 1264, 1367, and 1372.

**Universe, Frequency, and Types of Data:** Conducted every five years to obtain information on labor materials, capital input and output characteristics, plant location, and legal form of organization for all plants in the United States with one or more employees. Universe was 350,000 manufacturing firms in 1982.

**Type of Data Collection Operation:** Complete enumeration of data items obtained from 205,000 firms. Administrative records from Internal Revenue Service and Social Security Administration are used for 145,000 smaller single-unit firms, which were determined by various cutoffs based on size and industry.

**Data Collection and Imputation Procedures:** Five mail and telephone followups for larger nonrespondents. Data for small single-unit firms (generally those with fewer than 10 employees) not mailed census questionnaires were estimated from administrative records of IRS and SSA. Data for nonrespondents were imputed from related responses or administrative records from IRS and SSA. Approximately 3.7% of total value of shipments was represented by fully imputed records in 1977 (1982 not available).

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Based on evaluation studies, estimates of nonsampling errors for 1972 were about 1.3% for estimated total payroll; 2% for total employment; and 1% for value of shipments. Estimates for later years are not available.

**Sources of Additional Material:** U.S. Bureau of the Census, *Census of Manufactures, 1977*, vol. I, *Subject and Special Statistics*.

**Source and Title:** U.S. Bureau of the Census, *Annual Survey of Manufactures*

**Tables:** See tables citing *Annual Survey of Manufactures* in source notes in section 27 and also table 1264.

**Universe, Frequency, and Types of Data:** Conducted annually to provide basic measures of manufacturing activity for intercensal years for all manufacturing establishments having one or more paid employees.

**Type of Data Collection Operation:** Sampling frame is 350,000 firms in the 1982 Census of Manufactures (see above), supplemented by Social Security Administration lists of new manufacturers and new manufacturing establishments of multi-establishment companies identified by the Census Bureau's Company Organization Survey from which a probability sample of 55,000 establishments is selected. All establishments with 250+ employees are included along with a probability sample of smaller establishments.

**Data Collection and Imputation Procedures:** Survey is conducted by mail with phone and mail followups of nonrespondents. Imputation (for all nonresponse items) is based on previous year reports, or for new establishments in survey, on industry averages.

**Estimates of Sampling Error:** Estimated CV's for number of employees and for value added totals are given in annual publications. For State totals, most estimated CV's are 2% or less, but vary considerably for detailed characteristics.

**Other (nonsampling) Errors:** Response rate is about 85%. Nonsampling errors include those due to collection, reporting, and transcription errors, many of which are corrected through computer and clerical checks.

**Sources of Additional Material:** U.S. Bureau of the Census, *Annual Survey of Manufactures*, and Technical Paper 24.

## SECTION 28. DOMESTIC TRADE AND SERVICES

**Source and Title:** U.S. Bureau of the Census, *Census of Wholesale Trade, Census of Retail Trade, Census of Service Industries*

**Tables:** See tables citing the above censuses in source notes in section 28 and table 1372 in section 30.

**Universe, Frequency, and Types of Data:** Conducted every five years to obtain data on number of establishments, number of employees, total payroll size, and total sales. In 1977, universe was all employer establishments primarily engaged in wholesale trade, and employer and nonemployer establishments in retail trade or service industries. In 1982, for service industries and retail trade summary data for all establishments are available; kind of business detail by State is available only for establishments with payroll.

**Type of Data Collection Operation:** All wholesale firms with paid employees surveyed; all retail and service large employer firms surveyed (i.e. all employer firms above the payroll size cutoff established to separate large from small employers) plus a 10-percent sample of smaller employer firms. Firms with no employees were not required to file a census return.

**Data Collection and Imputation Procedures:** Mail questionnaire is utilized with both mail and telephone followups for nonrespondents. Data for nonrespondents and "nonselected" firms in retail trade and service industries are obtained from administrative records of IRS and the Social Security Administration.

**Estimates of Sampling Error:** Not applicable.

**Other (nonsampling) Errors:** Response rate in 1982 of 87% for single establishment firms; 91% for multi-establishment firms. Item response ranged from 60% to 90% with higher rates for less detailed questions.

**Sources of Additional Material:** U.S. Bureau of the Census, Appendix A of *Census of Retail Trade*, vol. I; *Census of Service Industries*, vol. I; *Census of Wholesale Trade*, vol. I; and *History of the 1977 Economic Censuses*, December 1980.

**Source and Title:** U.S. Bureau of the Census, *Current Business Surveys*

**Tables:** 1304-1307, and 1316.

**Universe, Frequency, and Types of Data:** Provides monthly estimates of retail sales by kind of business and geographic area, and end-of-month inventories of retail stores; wholesale sales and end-of-month inventories; and receipts of selected service industries. (Service monthly survey discontinued after Dec. 1981.)

**Type of Data Collection Operation:** Probability sample of all firms from a list frame and, additionally, for retail and service an area frame. List frame is the Bureau's Standard Statistical Establishment List (SSEL) updated quarterly for recent "births" from the Social Security Administration list of establishments having an employer identification number. The largest firms are included monthly; a sample of others is included every three months on a rotating basis. The area frame covers businesses not subjected to sampling on the list frame.

**Data Collection and Imputation Procedures:** Data are collected by mail questionnaire with telephone followups for nonrespondents. Imputation made for each nonresponse item and each item failing edit checks.

**Estimates of Sampling Error:** CV's are about 1.0% for estimated total retail sales, 2.4% for wholesale sales, 2.0% for wholesale inventories, and 1.5% for selected service receipts. Sampling errors are shown in monthly publications.

**Other (nonsampling) Errors:** Imputation rates are about 10%-15% for monthly retail sales and wholesale sales and about 20%-25% for monthly wholesale inventories.

**Sources of Additional Material:** U.S. Bureau of the Census, *Current Business Reports*, *Monthly Retail Trade*, and *Monthly Wholesale Trade*. *Monthly Selected Services Receipts* discontinued after Dec. 1981.



## Appendix IV

# Index to Tables Having Historical Statistics, Colonial Times to 1970 Series

[The most recent historical supplement to the *Statistical Abstract* is the bicentennial edition, *Historical Statistics of the United States, Colonial Times to 1970* (see inside back cover). Listed below are statistical time series (identified by number) appearing in this edition, for which tables in the *Statistical Abstract* present comparable figures. Historical series are listed only where related or comparable data are available for one or more years later than 1970. In a few instances, it may be necessary to combine figures shown in the *Abstract* to obtain totals comparable to the series shown in *Historical Statistics*.]

Historical Statistics series	1988 Abstract table number	Historical Statistics series	1988 Abstract table number	Historical Statistics series	1988 Abstract table number	Historical Statistics series	1988 Abstract table number
<b>A</b>		<b>C—Con.</b>		<b>H—Con.</b>		<b>J—Con.</b>	
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A 143-149	17	D 11-19	607	H 421-429	188	K 1-2	1053
A 158-159	126	D 29-41	608	H 442-476	198	K 4-7	1058
A 160-171	48	D 42-48	608	H 513-519	190	K 18	1086
A 172	21	D 49-62	623	H 535-544	223	K 82-113	1061
A 195-198	21	D 65-88	607	H 588-601	232	K 142-148	1080
A 204-209	26	D 87-101	632	H 602-617	202	K 162-173	1059
A 210-263	318	D 116-126	613	H 660-662	243	K 174-178	1053
A 264-275	31	D 127-141	640	H 689-705	236	K 184-191	1086
A 286-319	58	D 142-151	642	H 705	243	K 192	1074
A 320-334	58	D 168-704	644	H 710	235	K 195-203	1084
A 335-349	59	D 802-810	642	H 729-736	245	K 204-219	1087
A 353-358	67	D 877-892	642	H 747-749	245	K 251-255	1086
A 359-371	74	D 916	149	H 751-763	254	K 259-260	1074
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B 11	82	E 73-85	734	H 865-870	372	K 344-353	1080
B 12-20	83	E 135-173	738	H 871	373	K 358-380	1083
B 20-27	84	E 203-211	758	H 872	372	K 381-387	1088
B 28-35	87			H 874	373	K 378-380	1088
B 49-86	95	<b>F</b>		H 877	373	K 407-413	1089
B 107-115	108			H 899-920	388	K 414-429	1091
B 116-125	107	F 10-16	685	H 921-940	390	K 430-444	1089
B 136-147	113	F 297-348	681	H 946-951	388	K 446-485	1080
B 142	81	F 508-594	684	H 952-961	263	K 488-495	1085
B 148-166	117			H 971-978	268	K 496-499	1082
B 163-165	123	<b>G</b>		H 979-986	125	K 502-505	1102
B 167-173	110			H 987-998	263	K 506-563	1100
B 181-192	110	G 1-8	689	H 999-1011	278	K 561-583	1106
B 214-220	126	G 16-23	690	H 1012-1027	288	K 575-582	1112
B 221-235	131	G 31-138	701	H 1028-1082	290	K 583-594	1111
B 222-232	132	G 179-188	705	H 1083-1078	292	K 595-608	1116
B 248-261	130	G 190-192	699	H 1079-1098	293	K 609-623	1115
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C 25-75	25	H 172-185	582	J 50-60	320	L 122-137	1129
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[See headnote, p. 896]

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15.....	1125	P 13.....	1249	S 32-52.....	930		
10.....	1124	P 18-39.....	1249	S 78-82.....	930	X 114-147.....	767
23.....	1121	P 58-67.....	1242	S 86-107.....	930	X 192.....	766
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## Appendix V

# Index to Tables Having State and Metropolitan Area Data Book Series

[The 1988 edition of the State and Metropolitan Area Data Book (see inside back cover) contains almost 2,000 subject items of comparative data for States, regions, and divisions. Listed below are the *Statistical Abstract* tables in this edition and the item numbers from table C (the State table) in the State and Metropolitan Area Data Book (SMADB) for which similar, though not necessarily comparable, comparative State data are presented. Both national-level and State-level *Abstract* tables are linked to the items in table C in order to provide easy reference to more detailed statistics.]

1988 <i>Abstract</i> table number	1988 SMADB table C item number	1988 <i>Abstract</i> table number	1988 SMADB table C item number	1988 <i>Abstract</i> table number	1988 SMADB table C item number	1988 <i>Abstract</i> table number	1988 SMADB table C item number
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15	33-37	<b>Section 4</b>		360	717		
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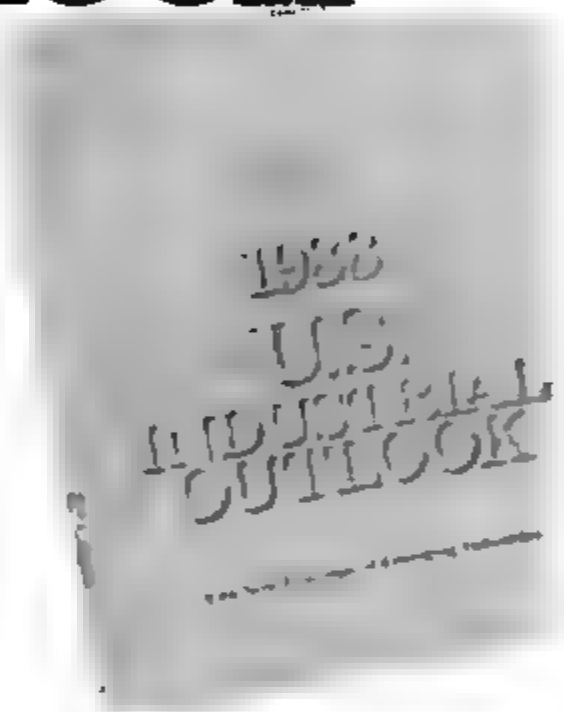
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